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Title word cross-reference

2 [AFTF22, KRSSH21, PD23, RBG+23, SRB+24, Yin21]. 3 [ABB+22, BMB+21, FSC21, GF23, MPTCT+20, MMS+23]. 4 [CKTW24]. $^{+}$ [LLS+22]. $^{2+}$ [CBK+20, KK22a, LYE+24, PO20]. $_{2}$ [AG22]. β [CSF20, FVB20, GHB22, Kuz24b]. γ [PJVR23]. h [PWC+23]. n [KT20a]. R_0 [KRSSH21]. T [LLS+22].

-catenin [CSF20]. **-cells** [FVB20]. **-Dimensional** [AFTF22]. **-serovar** [KT20a]. **-subtree** [CKTW24].

/IL [PJVR23]. **/IL-4** [PJVR23].

1 [BS21, CTL+22, KKK+20, LBF24, NTTI22, PGML20, SF23]. **19** [AGP+21, AGP+23, APF+24, ASS+23, AMR+23, BK21, BGM22, BDdG22, CS21, DAB+23, DTS21, DPR21, DJ22, ECH+23, GSW+23, GGSTS21, JKH+23, KPA+21, KBW+23, LMS21, LZZ+23, LMW21, MEPS22, NGKB21,

PRJ+20, REK20, STCSC+21, SFK+23, SRDC21, SXJ20, Täu20, TNHV21, TWT23, YTY+20, YLT22, ZQHN24, ZZT+21, ZWC+22, ZWW22, dCC+23].

2 [ACF22, BLRV21, BFSA23, CWF23, CLJ+23, CWL20, CPEK23, CDdV23, CWT+23, DNK+24, GFV+23, GFC+22, Hil23, JMWX23, Kee23, KBD+23, LRST22, PWC+23, Roy21, TAP+23, WUH23, WHRH+23, XCFH23, YY21, dCC+23]. **2020** [Ano20m, Ano20a, Ano20n, Ano20b, Ano20o, Ano20c, Ano20p, Ano20d, Ano20q, Ano20e, Ano20s, Ano20g, Ano20r, Ano20f, Ano20t, Ano20h, Ano20u, Ano20i, Ano20v, Ano20j, Ano20w, Ano20k, Ano20x, Ano20l, YLT22]. **2021** [Ano21m, Ano21a, Ano21n, Ano21b, Ano21o, Ano21c, Ano21p, Ano21d, Ano21q, Ano21e, Ano21s, Ano21g, Ano21r, Ano21f, Ano21t, Ano21h, Ano21u, Ano21i, Ano21v, Ano21j, Ano21w, Ano21k, Ano21x, Ano21l]. **2022** [Ano22l, Ano22a, Ano22m, Ano22b, Ano22n, Ano22c, Ano22o, Ano22d, Ano22p, Ano22e, Ano22r, Ano22g, Ano22q, Ano22f, Ano22s, Ano22h, Ano22t, Ano22i, Ano22u, Ano22j, Ano22v, Ano22w, Ano22k]. **2023** [Ano23j, Ano23k, Ano23b, Ano23l, Ano23c, Ano23m, Ano23d, Ano23o, Ano23f, Ano23n, Ano23e, Ano23p, Ano23g, Ano23q, Ano23h, Ano23r, Ano23s, Ano23t, Ano23i]. **2024** [Ano24g, Ano24a, Ano24h, Ano24b, Ano24i, Ano24c, Ano24j, Ano24d, Ano24k, Ano24e, Ano24l, Ano24f]. **21** [Ano20a, Ano20b, Ano20c, Ano20d, Ano20e, Ano20g, Ano20f, Ano20h, Ano20i, Ano20j, Ano20k, Ano20l, Ano21a, Ano21b, Ano21c, Ano21d, Ano21e, Ano21g, Ano21f, Ano21h, Ano21i, Ano21j, Ano21k, Ano21l, Ano22a, Ano22b, Ano22c, Ano22d, Ano22e, Ano22g, Ano22f, Ano22h, Ano22i, Ano22j, Ano22k, Ano23b, Ano23c, Ano23d, Ano23f, Ano23e, Ano23g, Ano23h, Ano23i, Ano24a, Ano24b, Ano24c, Ano24d, Ano24e, Ano24f]. **27** [LBF24]. **289** [JCLS+21].

3a [AAL+21].

4 [KK23, PJVR23]. **40** [MP22]. **417** [Sch23]. **439** [SSKS20]. **454** [Sch21a]. **456** [GHS20]. **483** [WLW20]. **486** [D'A20a, RB22]. **498** [PP24]. **4T1** [GYY+23].

526 [Cor22]. **527** [HPSA23]. **530** [Xie22]. **537** [Akh23]. **545** [CBH+23].

7 [Ano20m, Ano20n, Ano20o, Ano20p, Ano20q, Ano20s, Ano20r, Ano20t, Ano20u, Ano20v, Ano20w, Ano20x, Ano21m, Ano21n, Ano21o, Ano21p, Ano21q, Ano21s, Ano21r, Ano21t, Ano21u, Ano21v, Ano21w, Ano21x, Ano22l, Ano22m, Ano22n, Ano22o, Ano22p, Ano22r, Ano22q, Ano22s, Ano22t, Ano22u, Ano22v, Ano22w, Ano23j, Ano23k, Ano23l, Ano23m, Ano23o, Ano23n, Ano23p, Ano23q, Ano23r, Ano23s, Ano23t, Ano24g, Ano24h, Ano24i, Ano24j, Ano24k, Ano24l].

9 [SMS20].

abandoning [LYYN20]. **abdominal** [HBWLLPA21]. **abductive** [PAM24]. **abnormal** [HRD+24]. **abruptness** [STB20]. **absence** [LYE+24]. **absenteeism** [AMR+23]. **abstraction** [ASK20]. **abundance** [KL21b, SS21, TBNS23, vBW20]. **abundance-dependent** [SS21]. **abuse** [UV23]. **acceleration** [KP21]. **according** [LKP+20]. **account** [BKP23, KK23]. **Accounting** [MCM20, WHH22]. **accumulation** [JCLS+11, JCLS+21, PS22b, TS23]. **accuracy** [GFV+23]. **accurately** [LHG+22]. **ACE2** [PRJ+20]. **acetaminophen** [GBRM21]. **acid** [CWT+23, MBF21]. **acquires** [APF+24]. **across** [AMR+23, BYHH20, JJR20, KPH+24, PJB21, RWHK21, Wor20, XML22, ZZT+21]. **actin** [RBG+23, dLFO21]. **acting** [Sak20, Sak22a, Sak22b]. **action** [RS24]. **activated** [VTDM21]. **activating** [SHY21]. **activation** [AAL+21, CPMF+22, DB22a, KB20, MP22, SBC+20, SSKP24]. **Active** [MI20, AJR+20, JJR20]. **activities** [SSX+22, ZSL23]. **activity** [AKHM23, MCP20, PR21, YLZ+21]. **acute** [BLP20, PBB20]. **adapt** [Haj20]. **adaptations** [SL23]. **adapted** [SC23b]. **Adapting** [MMI22]. **Adaptive** [CC22, LZZ+23, RID23, AJR+20, BP23, Bau20, BBDB22, GF23, GGG21, JKSD23, MH22b, NVS20, PAV21, PLR24, Täu20]. **ADHD** [AGTJ23]. **adhesion** [IHO+20, PJB21]. **adhesive** [SK23]. **adipocyte** [GMR+24]. **adiponectin** [SNK20]. **adipose** [HBWLLPA21]. **adjacent** [KMA+21]. **adjustments** [SW22]. **administration** [BLP20]. **adrenergic** [MCL21]. **adult** [LSZ21]. **advanced** [KT20b]. **advantage** [KPP20, MGCH21, ZWC+22]. **adversarial** [RMSS24]. **Aedes** [APR+22a]. **aegypti** [APR+22a]. **aerodynamic** [PCR21]. **affect** [AKHM23, BTS24, HPSA21, HPSA23, HDM20, PD23, WDHB20, ZWC+22]. **affected** [BEBA20]. **affecting** [Xie23]. **affects** [AJR+20, KIM+22, PS22a, PBB20, SYH20]. **African** [ZRL+21]. **after** [AOB21, BPP+20, CPMF+22, HHI24, WP21]. **against** [BPP+20, KT20a, KK22b, MMI22, OKF+21, PRJ+20, PGC+22]. **Age** [APR+22b, DRK23, BK21, DDDMT22, DKSP24, HK21, LRST22, SSBG20, WSY21, ZF21]. **Age-structured** [APR+22b, DDDMT22, HK21, LRST22, SSBG20]. **ageing** [BC20]. **agent** [Ala20, GTGB21, GGG21, IH21, Pro24, SLML20, TT20]. **agent-based** [Ala20, GTGB21, GGG21, IH21]. **agent-model** [SLML20]. **aggregate** [GWZ+22]. **aggregation** [BERR20, FSKG20, ND22, RB22]. **aggregations** [AKHM23]. **aggregative** [CRDD22]. **Aging** [BF20, JSCW21]. **Aging-induced** [JSCW21]. **agricultural** [BB21b]. **AIDS** [ZXLH23]. **aimed** [AHW21]. **air** [SHH20, ZZ22]. **airborne** [ABOR20]. **Airway** [Don23, NM23]. **airways** [DEM+23]. **Akt** [GC20, KLLL22]. **alcohol** [GBRM21]. **algae** [OTI+20, TMTK22]. **algae-phosphorus** [TMTK22]. **algal** [SGJ+24]. **algebraic** [MPTCT+20, MZLJ20]. **algorithm** [AFTF22]. **Algorithmic** [Pat22]. **alignment** [KF20]. **Allee** [AHEB+22, Leh21, LG23, MH22a, SSB20, YM23, ZM20]. **Allele** [SC23b, Sak22b]. **allocation** [CD22, FHTK20, KHST21, MB21]. **allografts**

[GYY+23]. **allows** [KK22b]. **alone** [Avv21]. **along** [HI21, LKP+20]. **alpha** [CWT+23, MCP20]. **alpha-cell** [MCP20]. **alphabet** [MBF21]. **alternate** [EHA+21]. **alternative** [PBP23]. **altruism** [GCM23, Gar24]. **altruistic** [FFAV21]. **alveolar** [ACF22]. **Alzheimer** [LLZ+22]. **American** [LZ23]. **amino** [CWT+23, MBF21]. **among** [CBPG23, Kan21, MH22b, Sak22a, XSH+24, YJBF20]. **among-parent** [Sak22a]. **amplitude** [MG21]. **amyloid** [Kuz24b]. **amyloid-** [Kuz24b]. **analog** [KK22a]. **Analogy** [YTW21]. **analyse** [TCMA21]. **Analysis** [GFV+23, KT21, PCR21, WBKR22, Ala23, APF+24, BSC20a, BMB+21, BPM+22, CSHH20, CPHL+20, CF20, CGP+20, Cor21, Cor22, DSdP22, DMR21, DMAC21, FNGJ21, FLR+21, GSMG22, HJKS20, HXZ+22, HLW24, HGF23, Ish23, KT20a, KG22, KPR20, LMB22, LB20, LML24, PBP23, Pat22, PPGB20, dMQHRGA+22, RRAO21, Sak22b, Sal24, SYI20, SCHH20, SSKS18, SSKS20, SL23, TKRA20, WLJ+20, WRB22, YZSS20, ZB22, ZSL23, ZWW22]. **analytical** [KK22a]. **analyze** [MMS+23]. **anatomical** [LKP+20]. **anatomy** [WS22]. **ancestral** [MGVS21]. **ancestry** [Di 20]. **androdioecious** [YI21]. **Angiogenesis** [GDd+21, DMAC21, FLR23, HAP22, HYM+22, NNOBS23]. **angiogenic** [HIA+22]. **angiotensin** [TDRC23]. **angles** [BBR+21]. **Animal** [CCSF21, ABBP21, BLRV21, BERR20, HIA+22]. **animals** [HL24, KM20, SKNvRL22]. **anisogamy** [JWKA21]. **announcement** [FHM20]. **annual** [Tay23]. **answer** [KI21]. **ant** [HDM20]. **antagonism** [YJBF20]. **antagonistic** [Bau20]. **antennal** [PR21, TKR+21]. **anthrax** [KM22, MK21]. **anti** [Ala20, BH20, DMAC21, GYY+23, HIA+22, HL21, KKL20, LDF23, LLS+22, LBF24, SF24]. **anti-angiogenesis** [DMAC21]. **anti-angiogenic** [HIA+22]. **anti-cancer** [BH20, KKL20, LBF24]. **anti-conformity** [LDF23]. **anti-diabetic** [SF24]. **anti-metastatic** [GYY+23]. **anti-microbial** [Ala20]. **anti-PD-1** [LBF24]. **anti-poaching** [HL21]. **anti-tumour** [LLS+22]. **antibiotic** [SP20]. **antibodies** [BS21, GFV+23, Sch17, Sch23, TEWN21, dCC+23]. **Antibody** [CWF23, BKP23, KT20a]. **antibody-dependent** [KT20a]. **Anticipating** [AJR+20]. **Antigenic** [BRS24]. **antimicrobial** [GHF22]. **Antisocial** [LDL+24]. **antitumor** [KK23]. **antiviral** [KKK+20, LZZ20, OKF+21]. **antral** [Avv21]. **ants** [GGG21, IH21]. **APOBEC3** [KKK+20]. **apoptosis** [LMA21, QYY+23]. **Application** [GSW+23, GYY+23, KHAK21, MEPS22, NCL20, Roy21, STCSC+21, YLT22, ABBP21, CGK23, DTS21, IB21, MSL23]. **applications** [RK22b, WHH22]. **applied** [AG22, BGM22, RRAO21, VMRSL23]. **Approach** [GT20, Avv23, BDdG22, CHMM23, CMRMC+21, CTL+22, CDdV23, Gar24, GBHNHVL23, GtHH20, GEHL+22, Haj20, KT20a, KH20, KTP+20, MCL20, NGKB21, OSAR21, SRB+24, SLML20, TKB+20, TCMA21, VKS+20, WNHK21]. **approaches** [CCA20, EPF20, KV23, MY20, PBP23]. **approximate** [LZW23, SD20, SBB+22]. **Approximating** [HTD22]. **approximation** [ESW24, dJHP20]. **approximations** [ACMT24, BS22a, GTGB21, LK20]. **April** [Ano20m, Ano20a, Ano21m, Ano21a, Ano22l, Ano23j, Ano24g, Ano24a,

Ano22a, Ano23a]. **aptamers** [EPF20]. **aquatic** [ACP20, CG21, PTK+24]. **Arabidopsis** [ADP21]. **arbitrary** [Wad22]. **arboviral** [SUA+20]. **arbuscular** [MGZ+21]. **architecture** [SAK21, TS23]. **area** [GSC23, MMS+23, SKNvRL22]. **argument** [Bar21]. **arising** [RG21]. **arithmetic** [GCM23]. **arsenal** [Pat22]. **Arterial** [SVHM+21, JJR20, TDRC23, YTW21]. **arteries** [ZL20]. **arterioles** [FFR22]. **arthropod** [PCR21]. **arthropods** [PCR23]. **article** [PMCLC+23, RB22]. **articular** [MFGACST23]. **Artificial** [FBD23, KT21]. **Artiodactyl** [SCD+23]. **Ascertainment** [CPEK23]. **Asgardarchaeota** [Di 20]. **Asia** [TWT23]. **aspect** [KT20b]. **aspects** [Ste21a]. **aspirin** [AAL+21]. **assay** [FSC21]. **assembly** [MDF21, YRMWT20]. **assess** [AY22, BDdG22, GW20]. **Assessing** [HCR20, IHG21, Ngo22, VGTY21, JKH+23, KT20b, KHB+22]. **assessment** [HPD20, PGML20, RLW+21, TEWN21, ZXLH23]. **assist** [MAHMH20, ZMKF22]. **associate** [APR+22b]. **associated** [BNPL20, Nah20, SHH20, YFZ+20]. **Association** [NR20, MZLJ20]. **associations** [WBKR22]. **assumptions** [GHF22]. **asthma** [DLN20]. **astrocyte** [HS20, KK22a]. **astrocytes** [SS22]. **asymmetric** [KC22, YWQX23]. **asymmetry** [SCD+23]. **asymptomatic** [GSW+23, GGSTS21, MEPS22, WUH23]. **asymptotic** [Pat22]. **atherogenesis** [YE21]. **Atheroprotective** [YE21]. **atherosclerosis** [SJNRS20, EE23]. **atherosclerotic** [JJR20]. **atomistic** [FSC21]. **atomistic-continuum** [FSC21]. **atopic** [PJVR23]. **atrial** [DRK23]. **atrophy** [AHS23]. **Attack** [Sin21, NAR+20]. **attainment** [Hon20]. **attenuation** [BEBA20, SC21]. **attractants** [TML20]. **August** [Ano20n, Ano20b, Ano21n, Ano21b, Ano22m, Ano22b, Ano23k, Ano23b]. **aureus** [BJB+20, SHH20]. **Austria** [KPA+21]. **auto** [YST21]. **auto-regulated** [YST21]. **autocatalysts** [SR24]. **Autocatalytic** [SSS21, Rav21]. **Autocatalytic-protection** [SSS21]. **Autoimmune** [HI20, vdVPW+22]. **automata** [DEM+23, LPSMCP23, LSZ21, HCR20]. **Automated** [RW20]. **autonomous** [BH23, OKT+21, WSEK23]. **autoregression** [MCMdAM24]. **autoregulation** [ADP21]. **availability** [FHTK20, MSM23]. **avascular** [FBSD22, MPA23]. **average** [KL21b]. **avian** [XYK+20]. **avidity** [KKL20]. **avium** [WPEP22]. **avoidance** [OIK+24, QPL21]. **avoiding** [GQG23]. **aware** [BK20a]. **awareness** [LWXM20]. **Axin2** [CSF20]. **axis** [LKP+20]. **axisymmetric** [YTW21]. **axonal** [KK22b]. **axons** [CHMM23].

B [CMRMC+21, KPH+24, LGSR21, PD23, RY22]. **B/L** [PD23]. **background** [BCC+21, Kau23]. **background-induced** [BCC+21]. **bacteria** [ATP22, GT22, Kan21, KHAK21, TTBL21]. **Bacterial** [Sch17, Sch23, WPEP22, BJB+20, ECBR20, MDF21, SHH20, TML20]. **bacteriophage** [Bol22]. **badger** [LZ23]. **balance** [AKHM23, AA22, KNK21, LB20, ZB22]. **ball** [BFG21, YZB20]. **ball-rolling** [YZB20]. **bambara** [DSM+23]. **banded** [JMD20]. **banks** [PB22]. **basal**

[HXZ+22]. **based** [Akh22, Akh23, Ala20, Ala23, ACD20, AGBLGA+22, AR21, BRN+22, BC21, BGB+21, BEBA20, BMB+21, BS22b, ECH+23, EBK21, FHR22, FLR23, GT22, GTGB21, GCC20, GSMG22, GGG21, HJKS20, HBWLLPA21, HXS21, IH21, JMD20, JFCK20, JCC20, KR22, KK22a, LPBMA21, LMS21, LFZ+24, LMC+20, LB20, LCYD23, MPTCT+20, MZLJ20, MI23, NR20, PASO21, PHL+23, PZG20, RT24a, SRDC21, SC21, SHK20, SVHM+21, TCMA21, VVD24, WCM+21, ZPP23, dLFO21]. **basic** [DF22, GHF22, GHS18, GHS20, GBHNHVL23]. **basis** [MI20]. **bat** [GtHH20]. **Batesian** [QHS23, TT24]. **Battle** [CK20b]. **Bayesian** [CRG+23, HGF23, LG23, LZW23]. **be** [BC20, LBF24, MC20b, SSR21]. **beam** [LR21]. **bearing** [EHA+21]. **bee** [SWK+20]. **bees** [HZS+21]. **beetle** [BFG21, CGY+23]. **beetles** [YZB20]. **behavior** [DMPIG24, IH21, Leh22, Lei20, PAV21, SLML20, SMS20, VKS+20, YZB20]. **Behavioral** [HDM20, BLP20, MSM23, SBSB23]. **behaviors** [LZZ+23]. **behaviour** [ABC+21, BEBA20, FFAV21, IHO+20, KHW+22, MW20, NSD22, SOKZ22, Wil23]. **behavioural** [BDdG22]. **behaviours** [Rav21, RSPB+22]. **behind** [Avv23]. **Belgium** [APF+24]. **believing** [PZ20]. **belowground** [KHST21]. **bending** [HH21]. **beneficial** [Kau23]. **beneficiaries** [MCL20]. **benefit** [PPS+21]. **benevolent** [FPX20]. **benthic** [IYY22]. **Bernoulli** [CGR22, ILGI20]. **Best** [FBA21, BD21, SH21, TATT21]. **best-response** [SH21]. **bet** [ZX22]. **bet-hedging** [ZX22]. **beta** [CWT+23]. **better** [EBA21]. **between** [APR+22a, AJR+20, AAL+21, BHW+20, CLJ+23, FG21, FG22, GFN23, GMS20, HVC+21, JME24, KM22, KMA+21, MCL20, NO24, Pfe22, QHS23, SUA+20, SH21, TAP+23, Xie23, YLZ+21, YJBF20]. **between-host** [FG22]. **Beverton** [FS22]. **Beyond** [DB22b, PK23, Whi20]. **bi** [GK21]. **bi-stable** [GK21]. **bias** [DPR21, SL22]. **biases** [HPSA21, HPSA23, Par22]. **Bidirectional** [KK22b, HXZ+22]. **Bifurcation** [FLR+21, DBS23, HXZ+22, KG22, WA22]. **bifurcations** [GK21]. **big** [KI21]. **binarization** [PZG20]. **binding** [Sch21b, TML20, WDT+20]. **binomial** [CGR22, LMS21]. **bio** [MPTCT+20]. **bio-macro-molecular** [MPTCT+20]. **Biochemical** [Sal24]. **biocontrol** [AY22]. **bioelectric** [Car23]. **bioelectrical** [CMLM23]. **Bioengineering** [GT20]. **biofilm** [GJDS20, WWR+24]. **Biofilms** [WPEP22]. **Biol** [Akh23, CBH+23, Cor22, HPSA23, JCLS+21, PP24, Sch21a, Sch23, SSKS20, Xie22]. **biological** [BEO+22, CBBD22, FFNG+21, GWZ+22, GSMG22, HCSAB21, IKYW21, LSW20, LMC+20, MMS+23, Tsu21, vdBMB+23]. **Biology** [D'A20a, Don23, GHS20, WLW20, Wil23, Dal22, KTP+20, Sal24, SMM24, Tha24, WBS20]. **biomarkers** [LPSMCP23, LLZ+22]. **biomechanical** [BC21]. **Biomechanics** [PTK+24]. **biomedical** [NR20]. **Biomimetic** [LMLP20]. **biomolecular** [GCC20, Xie20]. **bipedal** [HXS21]. **birds** [HBGV+21]. **birth** [LT23, PLM24, SHK20]. **birth-death** [LT23, PLM24, SHK20]. **Bistability** [JCLS+11, JCLS+21, Koc20, SOKZ22, GBF20]. **bistable** [DB22a, FK21]. **bitter** [BSS+20]. **bitter-off** [BSS+20]. **blankets** [PRP+20]. **bleaching** [DCP+22]. **blebbing** [NNOBS23]. **bliss** [CK20b, SW22]. **blobs** [Ost23].

blockade [SF23, TKRA20]. **blockers** [DCL23]. **blocking** [BS21]. **blood** [AG22, CHT22, NM23, SVHM+21, TCH21]. **blue** [MPH+22]. **Board** [Ano20y, Ano20z, Ano20-27, Ano20-28, Ano20-29, Ano20-30, Ano20-31, Ano20-32, Ano20-33, Ano20-34, Ano20-35, Ano20-36, Ano20-37, Ano20-38, Ano20-39, Ano20-40, Ano20-41, Ano20-42, Ano20-43, Ano20-44, Ano20-45, Ano20-46, Ano20-47, Ano20-48, Ano21y, Ano21z, Ano21-27, Ano21-28, Ano21-29, Ano21-30, Ano21-31, Ano21-32, Ano21-33, Ano21-34, Ano21-35, Ano21-36, Ano21-37, Ano21-38, Ano21-39, Ano21-40, Ano21-41, Ano21-42, Ano21-43, Ano21-44, Ano21-45, Ano21-46, Ano21-47, Ano21-48, Ano22x, Ano22y, Ano22z, Ano22-27, Ano22-28, Ano22-29, Ano22-30, Ano22-31, Ano22-32, Ano22-33, Ano22-34, Ano22-35, Ano22-36, Ano22-37, Ano22-38, Ano22-39, Ano22-40, Ano22-41, Ano22-42, Ano22-43, Ano22-44, Ano22-45, Ano22-46, Ano23u, Ano23v, Ano23w, Ano23x, Ano23y, Ano23z, Ano23-27, Ano23-28, Ano23-29, Ano23-30, Ano23-31, Ano23-32, Ano23-33, Ano23-34, Ano23-35, Ano23-36, Ano23-37]. **Board** [Ano23-38, Ano23-39, Ano23-40, Ano24m, Ano24n, Ano24o, Ano24p, Ano24q, Ano24r, Ano24s, Ano24t, Ano24u, Ano24v, Ano24w, Ano24x]. **body** [HYM+22, Kuz24a]. **Bohr's** [BGGM23]. **BOLD** [BSC20a, SVHM+21]. **bone** [LZ23, SCD+23]. **Boolean** [AZYF+23, Tha24, ZMKF22]. **booster** [SFK+23]. **boosting** [CCF+20]. **born** [YST21]. **borne** [TNW21]. **both** [vBW20]. **bottleneck** [NBBR23]. **boundaries** [WA22]. **boundary** [KMA+21, dGSNK22]. **bounded** [CLF+22, CCSF21, CN20, FZE22]. **Bovine** [SYI20, HCJT23, BGB+21]. **Brain** [GT20, AHS23, AGTJ23, Bar21, FBJR20, FSKG20, GEHL+22, ISC23, dGSNK22, MPA23, MDCK23, RB22, SBSB23, TCH21]. **branch** [BBR+21]. **branching** [IS20, LMS21, LZW23, RBG+23, SS23, ZWT24]. **break** [AZYF+23]. **breaking** [WH21]. **breakpoint** [HVTA20]. **breaks** [LR21]. **breast** [BT22, GHB22, GYY+23, PHL+23, SC23a]. **bribery** [FPX20]. **broad** [LYE+24]. **broadcast** [BYHH20]. **broader** [MBF21]. **Bronchial** [DLN20]. **broods** [KMA+21]. **Bt** [BB21b]. **bubbles** [Hil23]. **budding** [AMSC20]. **Budget** [EHA+21]. **bulk** [PLXD+20]. **burden** [FGC24, KBW+23]. **burdens** [SXL+20]. **bursting** [FVB20]. **butterfly** [LCMW21]. **buzzards** [ABC+21].

Ca [CBK+20, KK22a, LYE+24, PO20]. **CA3** [MP22]. **caffeine** [BLP20]. **Calcaneus** [SCD+23]. **calcification** [WDA+23]. **Calcium** [DYS+21, SL21, SL23]. **Calcium-dependent** [DYS+21]. **calculate** [KHAK21]. **calibration** [LH20]. **can** [BNP+21, BD21, Dal22, DCP+22, GBF20, GSC23, HSAH20, IIHH21, LS21, LBF24, MC20b, PB22, SPLS+23, SMS20, SSR21, Wad22, ZMKF22, MGCH21]. **Canada** [AMR+23]. **Cancer** [GBF20, SF23, AMSC20, ATAJS20, Ala23, AABG20, BBDB22, BS21, BT22, BH20, CHMM23, CWL20, CPM21, DMR21, DCS20, EWK20, EB21, FLR23, FBC23, FSC21, GDLF20, GFL23, GYY+23, HPK+20, KV23, KKL20, LBF24, LG23, MHI23, Pat22, PHL+23, PAM22, PGC+22, PJB21, RNP+21, SK21, SOKZ22, SXL+20, SC23a, ST20, SAG21,

TMC+23, VVD24, WvdDL+21, YJZ+24, YXW21]. **Cancer-induced** [GBF20]. **cancer-stem-cell-driven** [FBC23]. **cancers** [BE22]. **capacitive** [YMR24]. **capacity** [BJB+20, CD22]. **capillary** [AG22, CHT22, TCH21, Ter23]. **capture** [KKS23]. **captures** [KHW+22]. **Capturing** [ACMT24]. **CAR** [CF20]. **carbachol** [MP22]. **carbachol-induced** [MP22]. **carbon** [MGZ+21]. **carcinogenesis** [SBW+22b]. **carcinoma** [GHB22]. **cardiac** [DCL23, MCL21]. **Cargo** [YSK23]. **cargos** [KK22b]. **Carlo** [LGT21]. **cartilage** [MFGACST23]. **Cas** [SSS21]. **cascade** [Han23]. **Case** [CKI20, MC20b, CRDD22, FHM20, GMMR22, GW20, LRST22, NAR+20, RBG+23, AGP+23, WWR+24]. **cases** [KBW+23, LMW21, MEPS22]. **castration** [CPM21, VVD24]. **castration-resistant** [CPM21, VVD24]. **catastrophes** [Sch18, Sch21a]. **catastrophic** [Leh21]. **catenin** [CSF20]. **Cathepsin** [PD23]. **Causal** [KP21]. **cause** [GSC23]. **caused** [ABvH+20, BCS+22, TWT23]. **causing** [ATP22]. **CD8** [LLS+22]. **Cell** [GLLP23, KTU22, MI23, New20, WZP+23, ASK20, AVSTS23, AMSC20, ABB+22, BE22, BKZ+22, BC20, BM20, Car23, CBH+22, CBH+23, CF20, CLD21, CLSB23, FH23, FBC23, GHB22, GO21, GFL23, HGCC22, HPK+20, HCSAB21, HRD+24, HLW24, HSL24, IJROTE22, IHO+20, JS23, JFCK20, JHFMP+21, KPH+24, KJM20, KF20, LGT21, LSZ21, Lei20, LLS+22, LGSR21, LG23, LH20, MCO21, MPC+24, MCP20, PD23, PPFB24, PCLL21, PJVR23, PASO21, PK23, PGC+22, SPLS+23, SGJ+24, ST20, SSKS18, SSKS20, SBW+22b, TCMA21, VGC22, WH21, WA22, WvdDL+21, WSEK23, WHH22, XZW+24, XZZ+23, YWQX23, YFZ+20]. **cell-based** [JFCK20]. **cell-cell** [GHB22, PJVR23]. **Cell-center-based** [MI23]. **cell-cycle** [CBH+22, CBH+23]. **cell-fate** [YFZ+20]. **cell-matrix** [IHO+20]. **cell-niche** [PASO21]. **cell-nutrient** [ABB+22]. **cell-to-cell** [CF20]. **cell-type** [HSL24]. **Cells** [Haj20, AABG20, BLRV21, CWL20, EWK20, FMO23, FVB20, GHB22, HYM+22, IHO21, KV23, KKL20, PWC+23, RS24, RY22, SK21, SC23a, UIY22, XSH+24]. **Cellular** [LSZ21, XSH+24, Di 20, DEM+23, FB23, HFD23, HCR20, LPSMCP23, TCMA21]. **cellulose** [CLD21]. **center** [MI23]. **central** [BB21a, CRGGSC20, MSM23]. **central-place** [MSM23]. **cerebral** [CHT22, TCH21, Ter23]. **Cerebrospinal** [YTW21]. **cerevisiae** [San21]. **cervical** [CWL20]. **Chad** [EHP+21]. **chain** [ACP20, FPGC21, GCC20, SSS21, SLCC22]. **challenges** [HH20]. **Change** [KPP20, DMPIG24, MGFS+20, RT24b]. **changes** [APR+22b, CD22, CRG+23, Ter23, Wor20]. **changing** [Kau23, MY20]. **channel** [DCL23, JHFMP+21]. **channels** [LYE+24]. **Chaos** [FNGJ21, Kan21]. **chaperones** [GCNZ+21]. **characterises** [KGP+22]. **characterising** [OGD+20]. **characteristics** [HPSA21, HPSA23]. **characterization** [MDCK23]. **chattering** [BAU+22]. **cheap** [CS22]. **Check** [GHF22, ZMKF22]. **checkpoint** [SF23, TKRA20, XZZ+23, vdVPW+22]. **chemical** [KJV20, PPGB20]. **chemoimmunotherapy** [KV23]. **chemoinformatic** [OSAR21]. **chemomechanical** [Xie20].

chemoresistance [WvdDL+21]. **chemostat** [CG21]. **chemotactic** [VKS+20]. **Chemotaxis** [Pro24, FH23, GDd+21, TML20]. **chemotherapeutic** [MPA23]. **chemotherapies** [HPK+20]. **chemotherapy** [AVSTS23]. **chickens** [XYK+20]. **children** [AGTJ23]. **China** [APR+22b, BGM22, CZN+21, LMW21, RLW+21, SXL+20, XDT+20, ZZ22, ZXLH23, ZWW22]. **Chinese** [YSP+23]. **Chlamydia** [AMA20]. **chloride** [UIY22]. **chlorophyll** [SC21]. **Choice** [WMO23, AZYF+23, EBA21, EWS23, NGKB21, San21]. **cholera** [TTBL21]. **choose** [ZMKF22]. **chorus** [AKHM23]. **Christmas** [Hil23]. **chromatin** [FZE22, MB22]. **chromatin-mediated** [MB22]. **chronic** [CWR21, DEM+23, XML22]. **cicada** [KMA+21]. **cilia** [PTK+24]. **circadian** [ACD20, ADP21, DB22b, GK20, GMS20, KMI23, KTU22, ZG21]. **circle** [TH21]. **circuit** [KK22a]. **circular** [ACMT24, GW21]. **Circulating** [TDRC23]. **circulation** [BAJ+21, Han23]. **citrus** [ILGI20]. **class** [San21]. **classification** [BKP23, HXK+20]. **clearance** [BJB+20, Swe20]. **climatic** [APR+22a]. **climbing** [Sac22]. **clinical** [Han23, PGC+22]. **clock** [ACD20, ADP21, GMS20, RK22b]. **clonal** [BV24, PASO21]. **clones** [BC20]. **closed** [IHG21]. **Closing** [FG21]. **club** [VB21]. **cluster** [VGC22]. **clustered** [dDA21]. **clustering** [FH23, LCYD23, SL24]. **clusters** [EP20]. **Co** [KHBS20, MGZ+21, PAV21, GDd+21, KT20b, Ost23]. **Co-adaptive** [PAV21]. **Co-evolution** [KHBS20]. **co-evolutionary** [KT20b]. **Co-inoculation** [MGZ+21]. **co-option** [GDd+21]. **coagulation** [IB21, SSKP24]. **coalescent** [CLF+22, RK22b]. **coconut** [CGY+23]. **code** [Di 21, RP21b]. **codes** [GW21, PMCLC+23]. **coding** [FSNS20, GW21]. **codon** [San21]. **coefficients** [SC23b]. **Coevolution** [BG21, AL23]. **Coevolutionary** [ABvH+20, KRSG24, MWO21]. **coevolving** [BA24]. **Coexistence** [YST21, BP20, Cai22, DTLS24, ES20, MMG21, PMD21]. **cognitive** [Par22, VA22, Wal20]. **cognitive-evolutionary** [VA22]. **coherent** [Wad22]. **cohort** [KBD+23]. **coinfection** [LMG22]. **coli** [BF20, VKS+20, YRMWT20]. **collagen** [BC21]. **collagen-based** [BC21]. **collapse** [ZM20]. **collect** [HZS+21]. **collective** [BEBA20, KF20, RKP20]. **Colombia** [VMRSL23]. **colonies** [GCA+20, HDM20, MHI23]. **Colonization** [WPEP22, Cai22, LNT23]. **colony** [GTGB21, HDM20, KGP+22, ZM20]. **colony-level** [HDM20]. **Color** [RG21]. **colorectal** [TMC+23]. **colored** [YFZ+20, YM23]. **columns** [Ost23]. **combination** [BCGG21, CWL20, LBF24, SBM+20]. **combinatorial** [SHK20]. **combinatorics** [GPDW20]. **Combined** [HIA+22, BFG21, GCNZ+21, SLML20, ZZGG21]. **Combining** [BB21b]. **commensal** [ATP22]. **commensalisms** [SLCC22]. **Comment** [RB22]. **commitment** [LPD23, Qui20]. **Common** [Di 20, RP21b, FBA21, SdAM24, Sin21]. **common-pool** [FBA21]. **commons** [KHST21]. **communication** [GGG21, XSH+24]. **communities** [BSC20b, CCA20, Cor21, Cor22, FGES24, FBD23, LW20, NV22, RK22a, Sin21]. **community** [CPEK23, MDF21, SYH20, Wor20]. **Comparative**

[LML24, PZ20]. **compared** [FBA21, SWK+20]. **Comparing** [GTGB21]. **Comparison**
[Mit20, SH21, AJR+20, BPM+22, HD22, KHB+22, LDaH22, ZBT22]. **compartment** [AZdV+22]. **compartmentalization** [BNPL20]. **compartments** [GGSTS21]. **compensate** [MGCH21]. **compensatory** [KHW+22]. **Competition**
[BCGG21, KM22, SS21, BHW+20, CWR21, HZM+21, JME24, KHST21, MMG21, MY20, NNG20, PPFB24, WDH+20, Cai22, CLJ+23]. **Competitive** [CCA20, ECBR20, WSC+22, ASF22, RK22a]. **competitors** [GQG23]. **completing** [ZYLW21]. **complex**
[ASF22, BD22, DEM+23, MLG21, MSB24, TMTK22, ZF21]. **complexities** [BRN+22]. **complexity** [GPDW20]. **compliance** [ABOR20]. **component** [KHBS20]. **components** [ORW+20]. **composed** [BKZ+22]. **composition** [UIY22, Wor20]. **compositional** [ZX22]. **compositions** [KJV20, YJZ+24]. **comprehensive** [KR22]. **compressible** [LGBG23]. **compressive** [DH22]. **Computation** [DMAC21, Akh22, Akh23, CSHH20, LZW23]. **Computational**
[BSC20a, EPF20, KLLL22, MFGACST23, ASK20, Avv23, BSS+20, Car23, CWT+23, EP20, GBF20, HS20, KKS23, NMC+21, OKT+21, SKS21, WBS20]. **compute** [Wad22]. **concentration** [KK22b]. **concept** [SCD+23]. **conceptual** [ZWC+22]. **concern** [CWT+23]. **concerns** [SUA+20]. **Conclusions** [DN22]. **condition** [BSV+24, SLCC22]. **conditional** [Qui20]. **conditioned** [MGVS21]. **Conditioning** [CLF+22]. **Conditions** [MMI21, SSR21, AZdV+22, BW24, CLSB23, DMAC21, Kuz24b, dGSNK22, LL21]. **cones** [ABK24]. **configuration** [YdKdJ+20]. **conflict** [CT22, GCX+20]. **conformation** [ZLYL20]. **Conformity** [LDF23]. **conjugation** [AZdV+22]. **Connectance** [Bau20]. **connected** [Car23]. **Connectome**
[GT20, FSKG20, RB22]. **connexins** [XSH+24]. **consciousness** [RBW20, RSPB+22, Ste21a]. **consensus** [PP22]. **consequences** [GGSTS21, Leh21, NM23, YJBF20]. **Conservation**
[Wor20, ACMT24, Tsu21]. **conserved** [GHA+20]. **consideration** [NVS20]. **considering** [BGA21, SGJ+24]. **Consistency** [BK20a]. **constant** [BBR+21]. **constrained** [Ros21]. **constraint** [CP23, LB20]. **constraint-based** [LB20]. **constraints** [BK20b, FSNS20]. **constricted** [Don23]. **constructing** [PZG20]. **construction** [KPR20]. **consumer** [Wor20]. **consumer-resource** [Wor20]. **consumption** [GBRM21]. **Contact**
[AHEB+22, BGM22, GHB22, YSK23]. **contacts** [ZWT24]. **contagious** [GJCLMQC20]. **containment** [BK21]. **contaminated** [CZN+21]. **contamination** [KHAK21]. **contemporary** [Hon20]. **content**
[ACP20, BRBF20]. **contest** [MGCH21]. **context** [CCPD22, MBF21]. **continuous** [DSB+21, JCC20, LMB22, OTI+20, SKNvRL23]. **continuously** [AG22]. **continuum**
[ACF22, BCC+21, FSC21, GTGB21, GF23, MY20, SBB+22]. **contraction** [Avv23, SdB23, SL21]. **contributes** [PZJPZ23]. **contribution** [PL20].

Control [PTZ21, YZSS20, AHW21, AJR+20, APL21, BAU+22, BGB+21, BCS+22, CGY+23, CGW22, CS21, CR20, FPGC21, FSK21, HCSAB21, KHW+22, KYI21, Leh22, MB21, MSL23, MCM20, MB22, NVS20, Ngo22, NDB20, PBP23, RSPB+22, SMJ20, SCD+23, SUA+20, TTBL21, TNW21, VMRSL23, ZRL+21, ZBT22]. **controlled** [TAP+23]. **controller** [GFN23]. **controlling** [CPMF+22, ZZB+21]. **controls** [AGP+21, ACD20, ASMN23, SBM+20, TDRC23]. **conversion** [PGP23]. **convolutional** [WDT+20]. **Cooperation** [SSBG20, BRS24, CKB+21, CS22, EBA21, KL21a, Kur21, LL21, PHN+23, SdAM24]. **Cooperative** [BSC20b, NCL20, RP21a, FZE22]. **cooperativity** [NWVN20]. **coordinate** [DAB+23]. **coordinated** [HBG21]. **Coordination** [WCD21]. **coral** [DCP+22, KGP+22]. **coral-dwelling** [DCP+22]. **Corallium** [KGP+22]. **corals** [WDA+23]. **cord** [LSZ21]. **core** [KBS+19, KBS+20, KB22, YST21]. **core-shell** [KBS+19, KBS+20, KB22]. **corneal** [HCJT23]. **coronavirus** [YY21, Yin21, OIK+24]. **correction** [DPR21]. **correlated** [BS22b, YM23]. **correlation** [LCYD23]. **correlations** [PR21]. **Corrigendum** [CBH+23, Cor22, D'A20a, GHS20, HPSA23, JCLS+21, KBS+20, PP24, Sch21a, Sch23, WLW20, Xie22]. **cortex** [Ost23]. **Cortical** [LRAP22, CGK23, CRGGSC20, SCD+23]. **Cost** [CPHL+20, FHM20, KT20a, ASF22, LB20, PPS+21, WM21b]. **Cost-efficiency** [KT20a]. **costs** [CK20b, KC22, KC24]. **could** [BC20]. **count** [GYY+23, SMM24]. **Counterintuitive** [NKE23]. **countermeasure** [SSS21]. **Counting** [SS23]. **countries** [KRSSH21, LZZ+23]. **counts** [ABBP21, HRD+24]. **County** [REK20]. **Coupled** [KB22, MG21, ABB+22, BGGM23, IH23, JAB22, MCMdAM24, PZXC22, PLXD+20, Sak22a, YMR24]. **Coupling** [TTBL21, BSC20a, CGK23, PZXC22, SL21, SHY21, DO21, YI21]. **couplings** [Xie20]. **courtship** [CK20b]. **CoV** [ACF22, BLRV21, BFSA23, CWF23, CLJ+23, CPEK23, CWT+23, GFV+23, GFC+22, Hil23, JMWX23, KRSSH21, Kee23, KBD+23, LRST22, PD23, PWC+23, Roy21, TAP+23, WUH23, WHRH+23, XCFH23, YY21, Yin21, dCC+23]. **COVID** [AGP+21, AGP+23, APF+24, ASS+23, AMR+23, BW24, BK21, BGM22, BDdG22, CS21, DAB+23, DTS21, DPR21, DJ22, ECH+23, GSW+23, GGSTS21, JKH+23, KPA+21, KBW+23, LMS21, LZZ+23, LMW21, MEPS22, NGKB21, PRJ+20, REK20, STCSC+21, SFK+23, SRDC21, SXJ20, Täu20, TNHV21, TWT23, YTY+20, YLT22, ZQHN24, ZZT+21, ZWC+22, ZWW22, dCC+23]. **COVID-19** [AGP+21, AGP+23, APF+24, ASS+23, AMR+23, BK21, BGM22, BDdG22, CS21, DAB+23, DTS21, DPR21, DJ22, ECH+23, GSW+23, GGSTS21, JKH+23, KPA+21, KBW+23, LMS21, LZZ+23, LMW21, MEPS22, NGKB21, PRJ+20, REK20, STCSC+21, SFK+23, SRDC21, SXJ20, Täu20, TNHV21, TWT23, YTY+20, YLT22, ZQHN24, ZZT+21, ZWC+22, ZWW22, dCC+23]. **cows** [HRD+24]. **Crabtree** [SKS21]. **CRAC** [LYE+24]. **CRAC-mediated** [LYE+24]. **cracking** [HH21]. **CRISPR** [SSS21]. **CRISPR-Cas** [SSS21]. **criteria** [TAP+23, VB21]. **Critical** [GSR23, HLW24]. **crops** [BSJ20, BB21b].

Cross [HL20, FG23, SHY21, YAN21, YSP+23]. **cross-immunity** [FG23]. **Cross-inhibition** [HL20]. **cross-propagation** [YSP+23]. **cross-sectional** [YAN21]. **crossing** [RKP20]. **Crosstalk** [GMS20, SMS20]. **crowders** [Xie24]. **crown** [dAPdBMTS20]. **Crozier** [Sco24]. **CRPC** [VVD24]. **CSF** [SF23]. **CSF-1** [SF23]. **CT** [BAJ+21]. **cube** [Kuz24a]. **cues** [BH23, MLG21]. **Cultural** [Whi20]. **culture** [KYHN23, OTI+20]. **curbing** [LZZ+23]. **cure** [MSK+22]. **current** [AJR+20, KP21]. **currents** [JHFMP+21, SHY21]. **curvature** [HCSAB21, LZ23]. **curve** [DRO23, KYHN23]. **curved** [HH21]. **Cusp** [DBS23]. **cyanobacteria** [KTU22]. **cycle** [ASSL22, ASK20, AGBLGA+22, CBH+22, CBH+23, DRO23, FHR22, IYY22, PBD+20, SBW+22b, WSEK23, YYI21]. **cycles** [HSAH20, MK21]. **cyclic** [BP20, BEO+22, CBH+22, CBH+23, CBPG23, FET+24, NKE23]. **cyclical** [ZF21]. **cycling** [YST21]. **cylindrical** [YSK23]. **cyst** [EBK21]. **cytokine** [PJVR23]. **cytoplasmic** [LHG+22]. **cytosolic** [LYE+24]. **cytotoxic** [HIA+22].

D [Gar23, ABB+22, BMB+21, FSC21, GF23, MPTCT+20, MMS+23, RBG+23, SRB+24]. **daily** [DF22]. **dairy** [HRD+24]. **Daisyworld** [MC22]. **damage** [FK21]. **dark** [FFNG+21]. **Darwinian** [BH20, NBBR23]. **Data** [AGP+23, BLP20, CF20, PHL+23, BNP+21, BMB+21, DF22, DO21, GWZ+22, GMR+24, GYY+23, GMV+20, HRD+24, LGT21, MGVS21, MEPS22, RZRS+22, SKNvRL23, SMM24, SXJ20, YAN21]. **Data-based** [PHL+23]. **Data-driven** [AGP+23, BLP20, CF20, GWZ+22, RZRS+22]. **datasets** [ZQHN24]. **date** [CLF+22]. **dawn** [MB21]. **dead** [SKNvRL23]. **death** [LT23, LSZ21, PLM24, SHK20]. **decay** [ECBR20]. **deceased** [HL21]. **December** [Ano20o, Ano20c, Ano21o, Ano21c, Ano22n, Ano22c]. **decentralized** [Pro24]. **deception** [QHS23]. **Deciphering** [MLK21]. **decision** [Bai21, BBDB22, HLW24, JCC20, PP22, VKS+20]. **decision-making** [JCC20, PP22]. **decisions** [AJR+20, MSM23, OIK+24]. **decline** [BCS+22]. **decoding** [RG21]. **Decomposing** [ZQHN24]. **decomposition** [dAPdBMTS20]. **decreased** [PD23]. **dedifferentiation** [FB23]. **Deep** [MDCK23, LFZ+24, WDT+20]. **deeper** [Pie21]. **deer** [XML22]. **defense** [PPS+21]. **deformation** [MI23, Tsu20]. **degraders** [JME24]. **degree** [WDA+23]. **Delay** [CSF20, BJB+20]. **Delay-driven** [CSF20]. **delayed** [YST21]. **delays** [BLRV21, BCGG21, GC20, MSLW23]. **deleterious** [AL23, Sak22b]. **deletion** [HD22]. **delineating** [YJZ+24]. **delivery** [ASP23, Ala23, BKZ+22]. **delta** [CWT+23]. **dementia** [HD24]. **demographic** [APR+22b, BJR+22]. **demography** [Hen20]. **dendritic** [EWS23, Ros22, XZZ+23]. **dengue** [CAARG21, GW20, RY22]. **Density** [EHA+21, vBW20, EP20, GJDS20, GSC23]. **density-area** [GSC23]. **density-dependent** [EP20]. **dependence** [BKP23, GB23, IKYW21, RWHK21, vBW20]. **dependency** [Kuz24a]. **dependent** [ABK24, CWL20, DCL23, DYS+21, EP20, EHA+21, GJDS20, KT20a, LRAP22, LR21, LWM23, NCL20, RS24, SD20, SBC+20, SS21,

WSW21, WSY21]. **depends** [IHO21]. **depolarization** [CGK23, Car23, WM21b]. **deposited** [BH23]. **deposition** [CLD21, HMS21]. **depression** [CRGGSC20, Sak20, Sak22a]. **deprivation** [PBB20]. **depth** [LRAP22]. **depth-dependent** [LRAP22]. **deregulated** [JS23]. **derived** [POS21]. **deriving** [Ros21]. **dermatitis** [PJVR23]. **described** [PLAC22]. **describing** [AABG20, BRBF20, DSM+23, PP20, PP24]. **description** [CK20a, Han23]. **descriptions** [SBB+22]. **descriptors** [MPTCT+20]. **Design** [PRJ+20, Ala23, BH20, LTS+21, MBT22]. **Designing** [CLSB23, SBM+20]. **Destabilization** [PS22a]. **destabilizing** [BYHH20]. **destination** [SKNvRL22]. **destruction** [DRK23]. **detachment** [SK23]. **detailed** [DN22]. **detecting** [CRG+23]. **detection** [PCR23, PTK+24, RMSS24, Täu20, Wad22, vdBMB+23]. **determinant** [AM22, CWW22, MMI21, MMI22]. **Determinants** [HPWvdB20]. **determine** [MBT22]. **determined** [FMO23]. **determines** [LZZ20, PMD21]. **determining** [BB21a, dAPdBMTS20]. **Deterministic** [JHFMP+21]. **deterministically** [MY20]. **develop** [MGCH21]. **developing** [KV23]. **Development** [KKS23, LR21, AML+22, CSP21, DSM+23, DNK+24, GJCLMQC20, IYY22, JA23, Kuz24b, Ost23, SS22]. **Developmental** [BPM+22, WCD21]. **diabetes** [DNK+24, SF24, Swe20]. **diabetic** [SF24]. **diagnostic** [VGTY21]. **diameters** [Ter23]. **diamond** [ASMN23]. **diamond-shaped** [ASMN23]. **Diarrhea** [BGB+21]. **dictates** [RMG+21]. **did** [KI21]. **diel** [BEBA20]. **diet** [Swe20, VTDM21]. **diet-linked** [VTDM21]. **differences** [BLRV21, SL23, WHH22]. **different** [Car23, CMLM23, GCM23, HXS21, KSSM20, TG22]. **Differential** [BGM22, CSP21, DSB+21, HH20, JCLS+11, JCLS+21, LCYD23, MMS+23, SMM24, VGC22]. **differentiating** [BC20, FBC23]. **differentiation** [CN21, Haj20, New20, SAG21, SS22]. **differing** [LZ23, MGZ+21, SPLS+23]. **diffuse** [PGC+22]. **diffuse-interface** [PGC+22]. **Diffusion** [BS22a, BNP+21, CGW22, EIK+21, GWZ+22, GJDS20, ISC23, JMD20, KG22, KGP+22, KBS+19, KBS+20, KB22, MDCK23, PLXD+20, PLAC22, Sch18, Sch21a]. **diffusive** [GDd+21]. **diffusivity** [Kuz24b]. **digestion** [Avv23]. **digital** [HIA+22]. **dilemma** [KT20b, KL21a, MMI22, WLW19, WLW20]. **dilemmas** [CS22, FPX20]. **dimension** [LPSMCP23]. **Dimensional** [AFTF22, ABBP21, BRN+22, BC21, EP20, FET+24, MI23, WHH22]. **dimensionality** [PMD21]. **dimerisation** [WRB22]. **dimorphism** [YYI21]. **dinosaurs** [KI21]. **dip** [HZS+21]. **Dipole** [ZPP23]. **Dipole-** [ZPP23]. **direct** [Goy21, IYY22, KHB+22, KP21]. **directed** [WA22]. **directional** [JMD20, ORW+20]. **disadvantage** [MGCH21]. **discharge** [SCHH20]. **Disclaimer** [KCS20]. **discontinuation** [HHI24]. **discount** [TATT21]. **discourages** [MW20]. **discovery** [LMC+20]. **Discrete** [KPH+24, ACF22, LHG+22, LTS+21, MC20b]. **discrete-continuum** [ACF22]. **Discrete-state** [KPH+24]. **discretisation** [WMO23]. **discrimination** [RG21]. **Disease** [dDA21, AHEB+22, CPHL+20, CRG+23,

DEM+23, EHP+21, FGC24, GSR23, GCA+20, HPSA21, HPSA23, JKSD23, KHW+22, LX21, LWM23, LLZ+22, OIK+24, PGP23, RLW+21, SYI20, SXL+20, SL22, SY24, SOGK+23, SYH20, TT20, TATT21, XML22, ZWT24]. **diseases** [AN22a, GBHNHVL23, GJCLMQC20, HI20, KT20a, KPH+24, KHB+22, MD22, MN23, TNW21]. **Disentangling** [KYHN23, LMG22]. **disorder** [DB22b, HBK+20]. **disorders** [YTH+21]. **disparate** [SK21]. **Dispersal** [RT24b, AR20, BERR20, POW23]. **dispersal-induced** [AR20]. **dispersed** [D'A20a, D'A20b]. **dispersing** [ZZB+21]. **dispersion** [NO24]. **displacement** [LMLP20, TH21]. **displays** [LPD23, SBJR21]. **disruptive** [ORW+20]. **dissemination** [LX21]. **dissipative** [LFY+24]. **distance** [COB23]. **distances** [PZXC22]. **distancing** [BD21, CS20, CS21, CC22, GGSTS21]. **distinct** [DB22a, Mit20]. **Distinguishing** [SSM+22]. **distorted** [IS20]. **distributed** [AG22, ISC23, SD22]. **distribution** [APR+22a, Coh20, D'A20a, D'A20b, GMV+20, HI21, KJV20, MGVS21, MMS+23, RK22a, KC24]. **Distributions** [CKTW24, ABC+21, FVC20, GMR+24, HTD22, KG23, PZ20, PLM24, PTZ21, SSR21]. **disturbance** [HDM20, PRHS20]. **disturbance-prone** [PRHS20]. **disturbances** [Bau20, BGA21, GSMG22]. **divergence** [BBR+21, HGF23, Pie21, PLR24]. **diverse** [RWHK21]. **diversification** [RID23]. **diversifies** [PJB21]. **diversity** [ACMT24, FOY21, Kau23, MSB24, PB22, SYH20, TGC22, Whi20]. **division** [KTU22, LSZ21, XZW+24, YWQX23]. **DNA** [CBH+23, CBH+22, CK20a, DKSP24, FK21, Goy21, IB21, RP21b, Van20]. **DNA-structured** [CBH+23, CBH+22]. **Do** [BBR+21, AS21, EBA21, HPSA21, HPSA23, LSW20, SKNvRL22]. **Does** [Jam21, LDL+24]. **DOM** [OTI+20]. **domain** [BSV+24, WHH22]. **domains** [Di 20, EP20]. **domestication** [ASF22]. **Dominance** [HPD20, BP20, CCA20, CBPG23, OU22, Ost23, PASO21]. **dominant** [GC20]. **dopamine** [ZSL23]. **dormancy** [MSLW23]. **dose** [CLLL20, CWL20, CKM+20, Wal20, XCFH23]. **dose-dependent** [CWL20]. **dose-response** [CKM+20, Wal20, XCFH23]. **double** [AZYF+23, YMR24]. **double-strand** [AZYF+23]. **Doubling** [AN22a]. **Dove** [HPD20, KC22]. **down** [SMJ20]. **downshift** [LS21]. **Downstream** [SLCC22]. **drift** [LSZ21]. **drive** [LMG22]. **driven** [AGP+23, BGC+20, BLP20, CSF20, CF20, FBC23, GWZ+22, GZM+20, LFJ21, PRFSHV20, RZRS+22, WM21a, YTW21, YM23]. **drivers** [FLR+21, PWC+23, XDZ+21]. **drives** [FBD23, ON24]. **driving** [LSZ21]. **Drosophila** [JA23, YBF23]. **drug** [Ala23, BKZ+22, BCGG21, BV24, DMR21, GDLF20, HGCC22, HII22, HHI24, MPA23, MS20, SLML20, SF24]. **drug-targets** [HGCC22]. **drugs** [RNP+21, UV23]. **dsRNA** [SBC+20]. **Dual** [CBK+20]. **duct** [HI21]. **due** [AMR+23, Avv21, DMR21, FH23, HH21, MMG21, NNG20, SLML20]. **dung** [BFG21, YZB20]. **duodenal** [Avv21]. **duodenogastric** [Avv21]. **durability** [KT21]. **duration** [ACD20, PBB20]. **during** [AGP+23, ASF22, APF+24, AGBLGA+22, BP23, BCGG21, FRMK22, GRW+21, IHO+20, JD21, JA23,

JKH+23, MSM23, MDG24, NNOBS23, OIK+24, STCSC+21, SdB23, SS22, SXJ20, TEWN21, TWT23, VGC22, ZWC+22]. **dwelling** [DCP+22]. **Dynamic** [AML+22, GT22, SYI20, AW22, BD22, ELRG21, FSKG21, GO21, KV23, LB20, MH22b, NGKB21, ORT24, SHH20, HZS+21]. **Dynamical** [CMRMC+21, IKYW21, AKHM23, FNGJ21, JWKA21, NWVN20, YJBF20, ZWW22]. **Dynamics** [BM20, D'A20b, GCNZ+21, GCA+20, HSL24, Koc20, MCL21, MHPB23, PPS+21, SFYL20, SHK20, TKR+21, WSY21, Xie21, Xie22, AVSTS23, AGP+21, AR20, AMA20, ATAJS20, ABB+22, APF+24, AKUN20, ATP22, AM22, AR21, AHEB+22, BCC+21, BW24, BE22, BS21, BYHH20, BK21, Bol22, BGGM23, BGA21, CD22, CAARG21, CBZK21, CWW22, CKB+21, DDDMT22, DKSP24, DBW22, EBK21, FG22, FBA21, FFNG+21, FSKG20, FRMK22, GJDS20, GBHNHVL23, GK21, GMS20, GDQR23, HPK+20, HYM+22, HBGV+21, HL21, IH23, KPA+21, KHW+22, KBD+23, KM22, LS21, LMG22, LNT23, LHG+22, LK20, LZZ20, LX21, LMC21, LWM23, LFT+23, LFY+24, MP22, MLK21, MSB24, MDG24, MCM20, MSK+22, MTLZ22, MM22, MG21, MEBNZ24, MC20b, MWO21, NCL20, NWP+24, PR21, POS21, PABS23, PO20, PK23, RB22, RBG+23, SPLS+23, SK21, STB20, SSX+22]. **dynamics** [ST20, Sin21, SS21, SH21, SBW+22b, TMTK22, TEWN21, TGC22, TT24, UV23, VGTY21, VP22, Wal20, WRB22, WDH+20, Xie24, XKV20, YSP+23, YM23, ZWWW23, dDA21, D'A20a].

E2F [LMA21]. **early** [APF+24, CSP21, GTE20, GZGH22, JLK22, KGP+22, NSD22, PB21, RG21, Sak20, Sak22a, Sak22b, SJNRS20, SD22, VGC22, YTY+20, vdBMB+23]. **early-** [Sak20, Sak22b]. **early-acting** [Sak22a]. **earth** [RBD+20]. **eating** [DMPIG24]. **Ebola** [BPP+20]. **Eccentricity** [SCD+23]. **eclipse** [KBD+23, PWC+23]. **Eco** [CKB+21, CBPG23, PABS23, CN20, CN21, POS21, TT24]. **Eco-evolutionary** [CKB+21, CBPG23, PABS23, CN20, CN21, POS21, TT24]. **Ecological** [GSC23, Leh21, Bol22, EWS23, FVC20, JAB22, NV22, PPGB20, PLR24, SH21]. **ecology** [FFNG+21, SAG21, WNHK21]. **ecosystem** [ACP20, BGA21, MBT22, PAV21]. **ecosystems** [BvdG20, ES20, FGES24, SMJ20, XDZ+21, ZSS+22]. **edge** [SSR21]. **editing** [NV22]. **editor** [PMCLC+23]. **Editorial** [Ano20y, Ano20z, Ano20-27, Ano20-28, Ano20-29, Ano20-30, Ano20-31, Ano20-32, Ano20-33, Ano20-34, Ano20-35, Ano20-36, Ano20-37, Ano20-38, Ano20-39, Ano20-40, Ano20-41, Ano20-42, Ano20-43, Ano20-44, Ano20-45, Ano20-46, Ano20-47, Ano20-48, Ano21y, Ano21z, Ano21-27, Ano21-28, Ano21-29, Ano21-30, Ano21-31, Ano21-32, Ano21-33, Ano21-34, Ano21-35, Ano21-36, Ano21-37, Ano21-38, Ano21-39, Ano21-40, Ano21-41, Ano21-42, Ano21-43, Ano21-44, Ano21-45, Ano21-46, Ano21-47, Ano21-48, Ano22x, Ano22y, Ano22z, Ano22-27, Ano22-28, Ano22-29, Ano22-30, Ano22-31, Ano22-32, Ano22-33, Ano22-34,

Ano22-35, Ano22-36, Ano22-37, Ano22-38, Ano22-39, Ano22-40, Ano22-41, Ano22-42, Ano22-43, Ano22-44, Ano22-45, Ano22-46, Ano23u, Ano23v, Ano23w, Ano23x, Ano23y, Ano23z, Ano23-27, Ano23-28, Ano23-29, Ano23-30, Ano23-31, Ano23-32, Ano23-33, Ano23-34, Ano23-35, Ano23-36, Ano23-37]. **Editorial** [Ano23-38, Ano23-39, Ano23-40, Ano24m, Ano24n, Ano24o, Ano24p, Ano24q, Ano24r, Ano24s, Ano24t, Ano24u, Ano24v, Ano24w, Ano24x, CKI20]. **educational** [Hon20]. **Effect** [AAL+21, Bai21, EE23, HFD23, Kau23, Kur21, WvdDL+21, Xie24, ZX22, AHS23, AHEB+22, BP20, BS21, BT22, CHT22, CHSB20, CPM21, EWS23, FFR23, KL21b, KKK+20, LR21, Leh21, LL21, LG23, MGZ+21, ND22, NBBR23, PS22a, SKS21, Sak20, STB20, SP20, TGC22, TCH21, YM23, ZM20, ZF21, ZB22]. **Effective** [EIK+21, AGP+21, HS20, Täu20, TNW21]. **effectiveness** [ESW24, FHM20, GBF20, JKH+23, LDL+24, ZBT22]. **effectors** [IHO21]. **Effects** [BK21, EBK21, FBC23, GCA+20, KB20, Sak22a, SL21, YdKdJ+20, ACP20, BvdG20, BBH+20, BYHH20, BGGM23, CZN+21, Cai22, CF20, CBKS21, DMAC21, DCL23, EWK20, ECBR20, FPGC21, FGC24, HAP22, HS24, Hen20, HD24, LRST22, MP22, MH22a, MSK+22, MWO21, OKF+21, PBD+20, Sak22b, TG22, UV23, VGTY21, ZZ22, vdVPW+22, SC21]. **Efficacy** [DBTI21, BBK23, BS21, GYY+23, HS24, PD23, SC23a, SF24]. **efficiency** [AKHM23, AM22, KT20a]. **efficient** [BP23, FSNS20, SBB+22]. **Eigenvalue** [GSMG22]. **eight** [KRSSH21, LZZ+23]. **Electric** [CSHH20, SCHH20, ZLYL20]. **electrical** [FVB20, GEHL+22, MCP20, YZSS20]. **electrocytes** [CSHH20, SCHH20]. **electrolocation** [PCR23]. **electron** [GCC20]. **electrostatic** [PCR21]. **element** [GEHL+22]. **elementary** [CP23]. **elements** [MDG24]. **elicit** [KKL20]. **eliminate** [LDL+24]. **Elimination** [BSS+20, HMLO+23, SSX+22]. **elliptic** [HYM+22]. **elliptical** [YSK23]. **elongation** [KF20]. **embryogenesis** [GZGH22]. **embryonic** [JA23, NTTI22]. **Emergence** [LYE+24, RBD+20, Ala20, CN20, FBD23, HII22, IDD23, JMWX23, PPFB24, PR21]. **emerging** [IH23, KHB+22]. **emigration** [HAP22]. **emphasis** [SJNRS20]. **empirical** [FSKG21, ZQHN24]. **emptying** [Avv21]. **enable** [GBF20]. **enables** [ES20]. **encode** [CKNCG22]. **encoding** [PR21, Van20]. **encounter** [MGFS+20]. **end** [WS22, Xie23, YLT22]. **end-plate** [WS22]. **endemic** [ASS+23, MCM20, SLML20]. **endgame** [ASS+23]. **endogenous** [NVS20]. **endometrial** [AGBLGA+22]. **endoscopic** [SXL+20]. **endothelial** [HYM+22, SJNRS20, VGC22]. **endothelium** [HCJT23, JJR20]. **energetics** [OKT+21]. **energy** [AKHM23, AA22, BP21, CKM+22, GCC20, GZM+20, HXS21, ISC23, RZRS+22, TCMA21, WM21b]. **energy-based** [GCC20, TCMA21]. **energy-driven** [GZM+20]. **enforcement** [HL21]. **engineered** [CWL20, PRJ+20]. **England** [Hil23, Kee23]. **Enhanced** [KMI23, MMG21, YSK23]. **enhancement** [BCC+21, KT20a]. **Enhancing** [JFCK20, HS24]. **enrichment** [MSB24, YBF23]. **ensemble** [CBKS21]. **entrainment** [DB22b]. **Entropy** [LL20, LPSMCP23, Tsu21]. **entry**

[PD23, TAP+23]. **environment** [FOY21, FBSD22, KF20, MY20, RT24b, SS21, UIY22, EBA21]. **environmental** [Bar23, Cai22, GCA+20, PS22a, PBD+20, SUA+20, TG22, PMD21]. **environments** [CZN+21, HCC+21, Kau23, KHB+22, KL21a, MLG21, MSLW23, NKE23, Pro24, WW24]. **enzymatic** [TH21]. **enzyme** [CTL+22, CDdV23, LB20]. **enzyme-cost** [LB20]. **Epidemic** [LWM23, MM22, AHW21, BP23, BD21, CD22, CGW22, DTS21, HTD22, KT20b, KPR20, LWXM20, MEPS22, dVRA20, RMG+21, SXJ20, WCM+21, WHRH+23, XCH+20, YTY+20, YLT22, ZXLH23]. **epidemics** [CLLL20, EB24, LMW21, MZG+20, TWT23, VMRSL23, ZWC+22]. **epidemiologic** [CS20]. **epidemiological** [AJR+20, FGC24, GGSTS21, GBHNHVL23, Hil23, IH23, MSK+22, PB21, TTBL21, WHRH+23]. **epidemiology** [RT24a]. **epigenetic** [HSL24]. **epilepsy** [PZXC22, YZSS20]. **epithelia** [MCO21]. **epithelial** [GHB22, RP21a]. **epizootic** [PGP23]. **equation** [BNP+21, IB21, JCLS+11, JCLS+21, SMM24, VGC22]. **equations** [DSB+21]. **equilibrium** [AMSC20, AABG20, LW20]. **equity** [FBA21]. **eradicate** [TNW21]. **eradication** [SLML20]. **Erratum** [Akh23, SSKS20]. **error** [BNPL20, WHRH+23]. **errors** [MMI21]. **erythrocyte** [DN22]. **escape** [IHO21]. **Escaping** [HII22, MGCH21]. **Escherichia** [BF20, VKS+20, YRMWT20]. **essential** [Kan21, LMC+20]. **essentiality** [AFTF22]. **establishment** [BPP+20]. **estimate** [AKUN20, GFV+23, LGT21]. **estimates** [KBD+23, SL22]. **Estimating** [DF22, KRSSH21, LRST22, LZW23, SKNvRL23, SOGK+23, YAN21]. **Estimation** [MS20, SKNvRL22, XDT+20, BKP23, DCS20, DO21, GFH20, GMR+24, SBB+22]. **Ethnic** [KIM+22]. **Etosha** [KM22]. **eukaryogenesis** [KI20]. **eukaryotes** [Di 20]. **European** [KRSSH21]. **eutrophic** [SMJ20]. **eutrophication** [SH21, TMTK22]. **Evading** [DBD23]. **evaluate** [GFV+23, GYY+23, RY22, TNHV21]. **Evaluating** [MN23]. **Evaluation** [GF23, LPSMCP23, GSMG22]. **evasive** [GtHH20]. **evenness** [Pie21]. **events** [BFSA23, GCA+20, JLK22, SSR21, YY21]. **Evidence** [CRGGSC20, ASF22, CPMF+22]. **Evolution** [CTL+22, CDdV23, FG23, IY22, Kur23, POW23, Qui20, Sak22a, SdAM24, WSW21, YYI21, AFTF22, ASF22, ASS+23, APL21, BJR+22, BB21a, BTS24, BCGG21, BRBF20, CG21, CLG20, CWT+23, EBA21, FG21, Gar24, GG23, HK21, HH20, HXS21, Jam21, KHBS20, KJV20, KL21a, Kur21, Leh22, LZZ20, LL21, LT22, MPH+22, ML21, NBBR23, OU22, OSAR21, Par22, PHN+23, PS22b, Sme21, SP20, TG22, VA22, WDHB20, WSC+22, Wil23, YJZ+24, YY21]. **evolutionarily** [MC20b]. **Evolutionary** [Cai22, CWW22, IJROTE22, IS20, IYY22, MTLZ22, POS21, YI21, ZWWW23, Bol22, BH20, BA24, CKB+21, CBPG23, CN20, CN21, CGR22, Dal22, IDD23, KT20b, LYYN20, Leh21, LFT+23, MGCH21, NKE23, NWP+24, PABS23, QHS23, Sch17, Sch23, Ste21b, SSR21, TT24, VA22, WNHK21, Yin21]. **evolving** [HCSAB21, WLW19, WLW20]. **exacerbate** [DCP+22].

Exaggerated [LPD23]. **examination** [GBF20]. **example** [YYI21]. **excess** [ACP20]. **exchanges** [BGGM23]. **excitability** [OGD+20]. **Excitable** [PK23]. **Excitation** [CKM+20, SL21]. **excitation-contraction** [SL21]. **Excitatory** [AKHM23]. **excited** [Tsu20]. **exclusion** [GW20, LDL+24, SR24, TAP+23]. **exercise** [BSV+24]. **Exergy** [DRK23, DRK23]. **exhibit** [IH21]. **exhibited** [AFTF22]. **existence** [MMI21]. **existing** [HH20]. **exit** [Kur21]. **exogenous** [NVS20]. **expansion** [IB21, KF20, MMS+23, TS23]. **expenditure** [HXS21]. **expensive** [CS22]. **experienced** [Haj20]. **experiment** [KJV20, dGSNK22]. **experimental** [CLSB23, DO21, GLLP23, ZZGG21, ZZB+21]. **experiments** [KKS23, WZKM21]. **explain** [BNP+21, Dal22, Wad22]. **explained** [RBW20]. **explaining** [GRW+21, HH20, KHBS20]. **explains** [HL20, SdB23, SBC+20]. **explanation** [JME24]. **explicit** [BYHH20, FG22, GGSTS21, PK23, RW20]. **exploitation** [MC20a, MW20]. **Exploration** [SCD+23, FHR22, KKS23]. **Exploring** [BFSA23, NSD22, SMJ20, TWT23, SUA+20, VB21]. **Exponential** [DKSP24, SR24]. **exposed** [JKH+23, RT24b]. **exposure** [CWF23, FPGC21, GFC+22, SHH20]. **expression** [BS21, GWZ+22, PL20, RMSS24]. **extended** [FSKG20, MWO21, PLM24, RB22, SSB20]. **Extending** [Pat22]. **extent** [Goy21]. **external** [CT22, KF20, LR21, LZ23]. **extinction** [EWS23, FVC20, HII22, Leh21, ON24, SSB20, Sch18, Sch21a, SD22, ZWT24]. **extracellular** [PGML20, SL21, ST20]. **extraction** [NR20]. **extreme** [PWC+23]. **eyespots** [LCMW21].

Fåhræus [FFR23]. **face** [NGKB21, Ngo22]. **facilitate** [Jam21]. **facilitated** [ADP21]. **facilitates** [HZS+21, HGF23]. **facilitation** [MCL20]. **factor** [KB20, RLW+21, Rob22, SSKP24, ZZGG21]. **factors** [Bau20, Cor21, Cor22, TWT23, ZZ22]. **facultative** [KM22]. **failure** [APR+22b, BC21, HH21]. **fairness** [WFT23]. **falciparum** [DDDMT22, TEWN21]. **farm** [SHH20]. **farmers** [LYYN20]. **farming** [CBBD22]. **farms** [ZRL+21]. **fascia** [LMLP20]. **fascicle** [CDC20]. **fastidiosa** [BCS+22, WWR+24]. **fat** [VTDM21]. **fatality** [NAR+20]. **fate** [AVSTS23, GO21, HLW24, WA22, YFZ+20]. **fatigability** [BSV+24]. **fatigue** [Tay23]. **favor** [LL21]. **fear** [MSB24, PPS+21]. **fear-induced** [MSB24, PPS+21]. **feasibility** [AY22]. **feature** [LFZ+24]. **February** [Ano20p, Ano20d, Ano21p, Ano21d, Ano22o, Ano22d, Ano23l, Ano23c, Ano24h, Ano24b]. **feed** [Wad22]. **feed-forward** [Wad22]. **feedback** [Ala23, APL21, BBK23, CSF20, CMRMC+21, FG21, LYE+24, TDRC23, VB21, WvdDL+21]. **feedbacks** [ADP21]. **feedforward** [BSC20a]. **Feeding** [IYY22, SWK+20]. **female** [ASSL22, IY22, SL23]. **females** [Dal22, IIHH21]. **femoral** [SCD+23]. **ferroptosis** [KTP+20]. **Fertilization** [DCP+22, NDB20]. **fertilizers** [CT22]. **feto** [BAJ+21]. **feto-placental** [BAJ+21]. **fever** [GW20, MZG+20, ZRL+21, ZZ22]. **few** [Dal22]. **fiber** [JME24]. **fibrillar** [SK23]. **fibrillation** [DRK23]. **fibrous** [ST20]. **field**

[HBK+20, WBKR22, ZLYL20, dDA21]. **fields** [LYYN20]. **filaments** [PEMLD22]. **filariasis** [ORT24]. **Filippov** [DTS21]. **final** [BD21]. **findings** [GLLP23]. **fine** [LSW20, TH20]. **fine-tuned** [LSW20]. **fine-tuning** [TH20]. **fingerprinting** [CKM+20]. **finite** [BD21, GEHL+22, HZM+21, LDF23, LL21, MTLZ22, PABS23]. **finite-time** [BD21]. **fire** [BGA21]. **firing** [BRN+22, CHT22, ZSL23]. **First** [BJG21, Ish23]. **fish** [DCP+22, EHP+21, LSZ21, MLK21, MSB24, ZPP23]. **fission** [HL20]. **Fitness** [RWHK21, BP20, HMS21, MLG21, PASO21, RID23, Sme21, SS21]. **five** [ZZ22]. **Fixation** [WM20, CBBD22, EWK20]. **fixed** [HBG21]. **flatness** [Sme21]. **flicker** [BCC+21]. **flight** [GtHH20, MIP+21, Sac22]. **floating** [CRDD22]. **floral** [SBJR21]. **flow** [AG22, CHT22, GCA+20, JJR20, KB20, MIP+21, MN23, Ros21, SVHM+21, TCH21, YBF23, YTW21]. **flow-induced** [KB20]. **flowering** [ML21]. **flowers** [HMS21]. **fluctuating** [MSLW23, SS21, UIY22, WM20]. **fluctuation** [ZX22]. **fluctuations** [BJR+22, Cai22, FSK21]. **Fluid** [ELRG21, SAK21, SWK+20, WGRE21, YTW21]. **fluid-feeding** [SWK+20]. **fluorescence** [SC21]. **fluorescence-based** [SC21]. **flux** [CP23, LB20, ZB22]. **focus** [ACF22]. **folded** [WA22]. **folding** [San21]. **follicle** [DBW22, FHR22]. **following** [dCC+23]. **food** [ASMN23, ACP20, BACS24, BD22, QHS23, QPL21, WDHB20]. **food-web** [WDHB20]. **foot** [HXS21, RLW+21]. **foot-and-mouth** [RLW+21]. **forager** [MSM23]. **foragers** [GCX+20, MH22b]. **foraging** [GQG23, Ios21, MBT22, QPL21]. **Force** [Coh20, CDC20, KPP20, LMLP20, SL21]. **force-displacement** [LMLP20]. **foreign** [AKUN20]. **forest** [ZYLW21]. **form** [BTS24, DRO23, IHG21]. **formation** [AZdV+22, BPM+22, DEM+23, EP20, HYM+22, HGF23, JMD20, KG22, KGP+22, KMA+21, LFY+24, NNOBS23, NO24, PLXD+20, VGC22, WH21, YXW21, ZSS+22, ZYLW21]. **formations** [CGW22]. **forms** [Bar23]. **Formula** [GRW+21, IHG21]. **forward** [CCSF21, Wad22]. **four** [Ros22, Wad22]. **four-node** [Wad22]. **Fourier** [DH22]. **fractal** [LPSMCP23]. **fractional** [CLLL20, DSB+21, GFN23]. **fractional-dose** [CLLL20]. **fractional-order** [GFN23]. **fractionated** [LR21]. **fractionation** [KK23]. **fractions** [WvdDL+21]. **fracture** [SCD+23]. **fragility** [DN22, JSCW21]. **fragmentation** [FSKG20, RB22]. **fragments** [CMLM23]. **framework** [ASF22, BSV+24, BEO+22, HL24, Lei20, LB20, MAHMH20, OKT+21, PPFB24, PPGB20, SUA+20, VVD24, YJZ+24]. **frameworks** [GHF22]. **France** [LMW21]. **Free** [KC24, TATT21, BP21, BAU+22, CG21, CCPD22, D'A20a, D'A20b, WM21b]. **free-swimming** [CG21]. **French** [MEPS22]. **frequencies** [GEHL+22, LMG22, MPH+22, SC23b]. **frequency** [CWR21, SL22, SHY21]. **frog** [PO20]. **frogs** [AKHM23]. **frustrated** [dLFO21]. **FtsZ** [YRMWT20]. **function** [BTS24, BAJ+21, FNGJ21, PRFSHV20, PZG20, San21, ZMKF22]. **functional** [AGTJ23, Bar23, KSSM20, Wor20]. **functions**

[BRS24, FOY21, PAV21]. **fundament** [DRO23]. **funds** [HL21]. **fungal** [dJHP20]. **fungi** [MGZ+21]. **Further** [GHF22]. **fusion** [LFZ+24]. **future** [AJR+20].

Gaia [AN22b]. **gain** [BAU+22]. **gain-scheduled** [BAU+22]. **game** [AR21, CGP+20, CS20, CK20b, FFAV21, GCX+20, HPD20, IYY22, JCC20, KT20a, KT20b, Kan21, KHST21, KC22, Kur23, LYYN20, MH22b, MTLZ22, NGKB21, ORT24, PAV21, QHS23, SSBG20, YI21, Whi21]. **game-theoretic** [CS20]. **game-theoretical** [CGP+20]. **games** [BK20b, CWW22, KL21b, MMI21, MMI22, RP21a, Ste21b, WSW21, WM20]. **gametocytes** [DDDMT22]. **gamma** [CWT+23, LMS21, MP22]. **ganglia** [HXZ+22]. **gap** [ACG24]. **gas** [BGGM23]. **gastric** [Avv21, SXL+20, YXW21]. **gastrointestinal** [ATP22]. **gathering** [Pro24]. **GC** [BRBF20]. **geese** [YdKdJ+20]. **Gene** [ON24, AFTF22, ACG24, DMAC21, FLRR23, GT22, GWZ+22, GTE20, HJKS20, MB22, NCL20, PL20, RMSS24, RW20, Tha24, WW22, YST21]. **gene-regulatory** [FLRR23, Tha24]. **genealogy** [CLF+22]. **genera** [HXS21]. **general** [Lei20, QHS23, WH21]. **Generalist** [XKV20]. **generality** [BNPL20]. **generalization** [AM22]. **Generalized** [BACS24, GFH20, LR21, MPTCT+20, SSBG20]. **generalized-growth** [GFH20]. **generate** [SHY21]. **generation** [CSHH20, GBF20, RMSS24, SL21]. **generations** [ZZT+21]. **generative** [RMSS24]. **generic** [SUA+20]. **Generosity** [MC20a]. **genes** [Kan21]. **Genetic** [CKNCG22, RP21b, ZF21, AFTF22, CPMF+22, Di 21, IY22, Kau23, MWO21, TG22, WH21, Whi20, YST21]. **genetical** [Wil23]. **genetics** [BS22a]. **genome** [FFNG+21, GPDW20, HJKS20, YY21, Yin21]. **genomic** [BRBF20, WBKR22]. **genotype** [WBKR22]. **genotypic** [Sme21]. **geographic** [APR+22a, WDHB20]. **geometric** [Gar24]. **geometrical** [Haj20]. **geometries** [Car23]. **geometry** [GSC23, KBS+19, KB22, Pie21, WLJ+20, YSK23, KBS+20]. **germ** [TG22]. **germ-soma** [TG22]. **Germany** [BGC+20, LMW21]. **germination** [KP21]. **get** [HBG21]. **gets** [ABOR20]. **Getting** [DAB+23]. **Gibbs** [HBK+20]. **GIFT** [WBKR22, IY22]. **given** [MSLW23]. **gleaned** [TKRA20]. **Glia** [GT20]. **gliding/climbing** [Sac22]. **glioblastoma** [HBK+20, LS21]. **Glioma** [CGGG20]. **Global** [DMR21, RRAO21, DSdP22, LNT23, RBG+23, YXW21]. **glucagon** [GZM+20]. **glucose** [DSB+21, HBWLLPA21, LPBMA21, MCP20, SK21]. **glucose-induced** [MCP20]. **glycolysis** [JS23]. **glycolysis-OXPHOS** [JS23]. **go** [SKNvRL22]. **goals** [SSX+22]. **going** [Hon20]. **golden** [Gar23]. **gonorrhoeae** [TKB+20]. **goods** [CPS20, FPX20, FFAV21, JCC20, RP21a]. **Governance** [CPS20]. **governing** [VB21]. **gradient** [KK22b, LKP+20, SLCC22]. **gradients** [DBTI21]. **gradual** [APL21]. **graduated** [CPS20]. **Graph** [HJKS20, LLZ+22, POS21]. **graphs** [BK20b, BPM+22, CGR22]. **grazing** [CBBD22]. **greedy** [MC20a]. **Green** [WSY21]. **grounded** [ABOR20].

groundnut [DSM+23]. **group** [HXK+20, Kur21, MH22b, MCMdAM24, ND22, ORW+20, PPS+21, TBNS23]. **group-living** [ND22, TBNS23]. **group-structured** [ORW+20]. **grouping** [TBNS23]. **groups** [MHPB23, XML22]. **grow** [KI21]. **growing** [GJDS20, PHN+23]. **growth** [AMSC20, AW22, AML+22, AGBLGA+22, BMB+21, CBZK21, CLD21, DCP+22, DSM+23, FBSD22, FHR22, FB23, FB24, FLR23, GTGB21, GDd+21, GFH20, IHO21, KHAK21, KPR20, KYHN23, Kuz24a, LHG+22, LPSMCP23, LSZ21, LGBG23, MGZ+21, MMS+23, NNG20, PBP23, PP20, PP24, PTZ21, dMQHRGA+22, SRB+24, Sch18, Sch21a, SBW+22a, Tay23, Tsu20, WWR+24, WZP+23, ZYLW21, dJHP20]. **GTPase** [KJM20]. **Guam** [CGY+23]. **guidance** [HCSAB21]. **guide** [SOGK+23, WBS20]. **guided** [HGF23, MBT22]. **guidelines** [NV22, PRHS20]. **Guinea** [EHP+21]. **gut** [AZdV+22, HI21, JME24, TMC+23].

h [DB22b]. **H1N1** [WSC+22]. **H3N2** [WSC+22]. **H9N2** [XYK+20]. **habitability** [MC22]. **habitat** [PAV21]. **habitats** [BP20, BYHH20, CRDD22, PHN+23]. **Habitual** [PBB20]. **haemorrhagic** [WP21]. **hair** [DBW22]. **hairs** [HZS+21, PCR21]. **Haldane** [BGGM23]. **Haldane's** [GCM23]. **Hamilton** [APL21, Gar23, HZM+21, Leh22]. **handling** [SL21]. **haptotactic** [BH23]. **harmonic** [KPR20, SHY21]. **harms** [CS22]. **Harnessing** [Kan21]. **harvested** [FS22]. **harvester** [HDM20]. **harvesting** [SSB20]. **Hawk** [HPD20, KC22]. **HBV** [Goy21]. **HCV** [LZZ20]. **HDL** [YE21]. **head** [ASSL22, CMLM23, YBF23]. **healing** [HCJT23]. **health** [BW24, Swe20]. **healthcare** [BP23, CPEK23, FG21, FG22, FG23, STCSC+21]. **heart** [DO21, DRO23]. **heat** [ASP23, ZZGG21]. **hedging** [ZX22]. **height** [JCLS+11, JCLS+21, PZG20]. **helminths** [HVTA20]. **help** [PB22]. **helper** [Mit20]. **helps** [CS22]. **hematopoietic** [PASO21]. **hemodynamic** [LRAP22]. **hepatocytes** [CBK+20, DYS+21]. **herd** [Bai21, GFC+22, KPA+21, TNHV21]. **herring** [SSB20]. **Hes** [Pfe22]. **Hes1** [SMS20]. **hesitancy** [BDdG22, JMWX23]. **heteroclinic** [YST21]. **Heterogeneity** [RMG+21, Bai21, BE22, BS21, BYHH20, BV24, CBK23, CF20, Don23, EB24, GCA+20, LGT21, LLS+22, MCM20, POW23, PBD+20, SKS21, SMJ20, TMC+23, TCH21, WZP+23, ZWT24]. **Heterogeneous** [MCP20, DJ22, Lei20, LH20, MG21, ORW+20, Pro24, dVRA20, SLTD22, SS21, Ter23, WGRE21, WFT23, dKCA22]. **heterologous** [RY22]. **heterotypic** [ST20]. **heuristic** [MS20]. **HFMD** [XDT+20]. **hierarchical** [LH20, PRP+20, TS23, VKS+20]. **hierarchy** [Ros22]. **high** [Ala23, ASS+23, KP21, KKL20, Sak20, VTDM21, WDA+23]. **high-avidity** [KKL20]. **high-vaccinated** [ASS+23]. **higher** [Cor21, Cor22, PR21, Wad22]. **higher-order** [Wad22]. **highlights** [ISC23]. **highly** [dVRA20]. **hindering** [Xie20]. **hippocampus** [AOB21, HS20, MP22]. **history** [APR+22a, AL23, KI21, KYI21]. **HIV** [GQK+21, GDQR23, HCR20,

KKK+20, Mar24, NTTI22, PZJPZ23, SdB23, UV23, ZXLH23]. **HIV-1** [KKK+20, NTTI22]. **HIV/AIDS** [ZXLH23]. **hive** [ZM20]. **Holt** [FS22]. **home** [XML22]. **Homeostasis** [Koc20, KTU22, SL23]. **hominid** [HXS21]. **Homo** [Koc20]. **Homo-Oligomerisation** [Koc20]. **homogeneous** [IHG21, Ter23]. **Homogenization** [BNP+21]. **homology** [Ste21b]. **homophily** [KIM+22]. **honey** [HZS+21, LZ23, SWK+20]. **Hopf** [HXZ+22, YST21]. **Hopf-born** [YST21]. **hopping** [ELRG21]. **Hormonal** [FHR22, RNP+21]. **hormone** [COB23, YTH+21]. **hormones** [ASSL22]. **Horton** [Ish23]. **hospital** [KBW+23]. **hospitalization** [AGP+23]. **hospitalized** [KBD+23]. **host** [AMA20, BB21a, BLRV21, Bol22, BRS24, CHSB20, Cor21, Cor22, FG22, GW20, HII22, JLK22, KBD+23, KRSG24, LMC21, MW20, OKF+21, Sin21, SYH20, TGC22, TNW21, UV23, VB21, VP22, XYK+20, XCFH23, dCC+23, WDH+20]. **host-symbiont** [KRSG24, VB21]. **host-virus** [CHSB20]. **hosts** [EHP+21, MGCH21, Roy21, SPLS+23]. **Hot** [YSP+23]. **Hot-topics** [YSP+23]. **household** [Hil23, HTD22]. **HPV** [SBW+22b]. **HPV-related** [SBW+22b]. **hub** [TT20]. **Hubei** [SXJ20]. **Human** [NGKB21, OIK+24, APR+22a, BBH+20, BLRV21, BC20, BGGM23, CDC20, CPM21, Dal22, GMMR22, GTE20, HVTA20, HVC+21, HL24, MN23, OKF+21, Par22, SC23a, SCD+23, SHH20, TEWN21, ZWT24]. **human-antibodies** [TEWN21]. **human-to-human** [ZWT24]. **humanized** [GDQR23, KKK+20]. **humans** [FHR22, HD24]. **Humeri** [LZ23]. **hybrid** [ASK20, AKHM23, ACF22, CSP21, Hen20, MS20, ML21, PCLL21]. **hybridising** [BHW+20]. **hydraulic** [LKP+20, Ros22]. **hydrophobicity** [KB20]. **hyperparasites** [NWP+24]. **hypha** [dJHP20]. **Hypnozoite** [MSK+22]. **hypotheses** [HH20, WDA+23]. **hypothesis** [HGF23, KKS23, Kuz24a, Rob22, SLCC22]. **hypoxia** [CBZK21, CBH+22, CBH+23]. **hypoxic** [SLTD22]. **Hz** [MP22].

ICP [DRO23, DRO23]. **ideal** [D'A20a, D'A20b, KC24, RP21b]. **idealized** [DCL23, NM23]. **ideas** [Di 21]. **Identifiability** [LT23, BK20a, KBD+23, Mar24, SBW+22a, GMR+24]. **Identification** [CR20, TKB+20, KH20, XDT+20]. **identifiers** [SS23]. **identifies** [JLK22, PWC+23]. **identify** [CP23, Cor21, Cor22, HRD+24, KPH+24, Roy21]. **Identifying** [HLW24, OGD+20, LLZ+22]. **identities** [FS22]. **idiosyncrasy** [ND22]. **IFN** [PJVR23]. **II'** [Wil23, Sal24, Swe20]. **III** [Sal24]. **IIT** [MSL23]. **IL-1** [PGML20]. **IL-2** [CWL20]. **IL-27** [LBF24]. **IL-4** [PJVR23]. **illness** [SSM+22]. **illusion** [RBW20]. **images** [LG23]. **Imaging** [Bar21, MDCK23]. **imitation** [FBA21]. **immediately** [HHI24]. **immigration** [FVC20, SS23]. **immobile** [CG21]. **Immune** [WPEP22, ACF22, AABG20, BPP+20, BT22, CAARG21, EB21, FGA+24, GF23, IHO21, JSCW21, JLK22, LLS+22, LT22, MHI23, MAHMH20, OKF+21, OGD+20, RS24, SPLS+23, SFK+23, SBC+20, SMEG22, SF23, TKRA20, XZZ+23, vdVPW+22]. **immunity**

[Bai21, CCF+20, EB24, FG23, GFC+22, JKSD23, KT21, KPA+21, SFK+23, TNHV21]. **immunization** [SSX+22]. **immuno** [HPK+20]. **immuno-** [HPK+20]. **immunodeficiency** [OKF+21]. **immunology** [Pat22]. **immunomodulatory** [MF22]. **immunosuppression** [GBF20]. **immunotherapies** [CPM21]. **immunotherapy** [CWL20, DCS20, GBF20, HS24, LFZ+24]. **Impact** [ASSL22, BW24, CBBD22, NAR+20, OU22, PEMLD22, SRDC21, YTY+20, BDdG22, CBK23, CLJ+23, FSK21, GFH20, GW20, HCR20, LLS+22, MN23, Ngo22, OGD+20, San21, SXL+20, SSX+22, TEWN21, WUH23]. **impacts** [APR+22a, BGM22, DTS21, PAV21, ZWT24]. **imperfectness** [KT21]. **implantation** [MFGACST23]. **implementation** [BH20]. **implementing** [HMLO+23]. **implicates** [KLLL22]. **implication** [WS22, YTH+21]. **Implications** [DH22, GBRM21, HXS21, MEBNZ24, SBW+22b, CWT+23, Han23, Hil23, KRSSH21, LZ23, MCL21, SSX+22, Yin21, TMTK22]. **imply** [LSW20]. **importance** [Bol22, GG23, KV23, PRHS20, SY24, TBNS23]. **important** [KHBS20]. **improve** [FBA21, GFV+23]. **Improved** [dGSNK22, LLZ+22]. **Improving** [LK20, LCYD23]. **in-host** [KBD+23]. **in-silico}** [SBSB23, TKB+20]. **in-stent** [LFY+24]. **in-vitro** [AMSC20]. **inactive** [DN22]. **inattention** [Whi21]. **inbreeding** [Sak20, Sak22a]. **incidence** [PP20, PP24]. **inclusion** [TAP+23]. **inclusion/exclusion** [TAP+23]. **Incoherent** [GK21]. **incompatible** [MSL23]. **inconsistent** [AA22]. **incorporating** [ASK20, SHH20]. **Increased** [HMS21, PD23]. **Index** [DRK23]. **India** [SRDC21]. **indication** [VKS+20]. **Indirect** [PAM24, LMB22, MCL20, PJVR23]. **indirectly** [TML20]. **Individual** [AM22, BGB+21, GFC+22, ABBP21, BEBA20, CA21, EB24, EP20, FLR23, HRD+24, KT21, MCM20, OU22, TMC+23]. **Individual-based** [BGB+21, BEBA20]. **individuals** [GG23, MHPB23, PZJPZ23]. **induced** [AR20, ASP23, AHEB+22, ACF22, BCC+21, DBW22, GBF20, GBRM21, JAB22, JSCW21, KB20, MP22, MSB24, MFGACST23, MHV+21, MCP20, OKF+21, PPS+21, SOKZ22, SF24, WRB22, YFZ+20, YM23]. **induces** [KF20, MGZ+21]. **induction** [DMR21, YFZ+20]. **inductive** [YFZ+20]. **infarction** [MF22]. **infected** [BLRV21, HVTA20, LK20, MEPS22, PWC+23]. **Infection** [WPEP22, AGP+23, APF+24, AKUN20, ACF22, BLRV21, CCF+20, CAARG21, CWF23, Cor21, Cor22, GMMR22, Goy21, GQK+21, GDQR23, HI20, HVC+21, HBGV+21, HSAH20, IH23, JLK22, Kee23, KBD+23, KM22, KKK+20, LMC21, NM23, PWC+23, RY22, SPLS+23, SdB23, SMEG22, WMO23, XYK+20, YdKdJ+20]. **infections** [CPEK23, HPSA21, HPSA23, JD21, KPH+24, XDT+20]. **infectious** [AN22a, GBHNHVL23, GJCLMQC20, JKH+23, KHB+22, MD22, MN23, SOGK+23, ZWT24]. **infectious-contagious** [GJCLMQC20]. **infectiousness** [CR20, LWM23]. **infectivity** [NAR+20]. **infer** [CLSB23]. **Inference** [GFH20, WZKM21, WW22, GFL23, LT23, LG23, MMS+23, RW20, TMC+23, VTDM21, WBS20]. **inferred** [WHRH+23]. **Inferring** [MCMdAM24, RBG+23]. **infinite** [GPDW20]. **inflammation**

[ATP22, MHV+21, NM23, QYY+23]. **inflammation-causing** [ATP22]. **inflammatory** [EE23]. **Inflected** [MIP+21]. **inflight** [YBF23]. **influence** [GHB22, LS21, LWXM20, MSB24, MSM23, SMM+23, TCMA21]. **influenced** [CWT+23, MPC+24]. **influences** [WMO23]. **influenza** [AMR+23, BNP+21, LMC21, NAR+20, SPLS+23, SD20, SMEG22, SSM+22, WDH+20, WSC+22, XYK+20, XCH+20, YAN21]. **influenza-like** [SSM+22]. **information** [CKM+22, CRRRP+20, FSNS20, GCA+20, Kan21, LL20, LX21, LMC+20, MB22, TBNS23]. **informational** [WBKR22]. **informative** [MLG21]. **informed** [PGC+22, RRAO21]. **inhibition** [BSC20a, CPMF+22, DB22a, HL20, MCP20, Wal22]. **inhibitor** [SF23]. **inhibitors** [PD23, TAP+23, XZZ+23, vdVPW+22]. **inhibitory** [AKHM23]. **inhomogeneities** [SP20]. **initial** [GB23]. **initiated** [HI20]. **initiation** [EE23]. **initiatives** [DAB+23]. **injury** [AHS23, GBRM21]. **Innate** [WPEP22, ACF22, CAARG21, EB21, GF23]. **inner** [QYY+23]. **innovation** [SHK20]. **inoculation** [MGZ+21]. **input** [SHY21, Wad22]. **input-output** [SHY21]. **inputs** [ACD20]. **insect** [BB21b, CCPD22, IIHH21, MSL23, PR21]. **insecticide** [HPWvdB20, Ngo22, ORT24]. **insecticide-treated** [Ngo22]. **insects** [GCA+20, SAK21]. **insight** [LX21, SXJ20, ZBT22]. **Insights** [WRB22, TKRA20, DCL23, GGG21, Sco24]. **Insightsl** [DDDMT22]. **inspired** [BFG21]. **instability** [AW22, XDZ+21]. **insulin** [DYS+21, GC20, GZM+20, LML24, Swe20]. **integrated** [JA23, KKS23]. **integrating** [BvdG20]. **integration** [TKR+21]. **integrations** [Goy21]. **integrative** [BSV+24]. **integro** [CSP21]. **integro-differential** [CSP21]. **Intelligent** [RMSS24]. **inter** [FMO23]. **inter-determined** [FMO23]. **interact** [MBT22]. **interacting** [FLR23, PB22, PAV21]. **interaction** [AFTF22, AAL+21, CLSB23, CA21, EPF20, FBSD22, KHBS20, MTLZ22, Nah20, PJVR23, TMC+23, TTBL21, Xie23, ZSS+22]. **Interactions** [MCL20, YJBF20, AKHM23, AABG20, ADP21, BT22, BS22b, DEM+23, FBJR20, FGA+24, FBD23, GF23, GCA+20, HYM+22, HLW24, MMG21, MK21, MCMdAM24, MWO21, OGD+20, WCWL21]. **interbreeding** [RT24b]. **intercellular** [DEM+23]. **interface** [BM20, PGC+22]. **interferes** [Mit20]. **interferon** [ACF22, SD20, XYK+20]. **interferon-dependent** [SD20]. **interferons** [GCNZ+21]. **intergalactic** [KJV20]. **intermediate** [EHP+21, PEMLD22, Roy21, TATT21]. **intermittency** [VP22]. **intermittent** [CCSF21]. **Internal** [TMTK22]. **Interplay** [AVSTS23, CGGG20]. **interpretation** [BAJ+21]. **interruption** [DMPIG24]. **interruptions** [HCR20]. **interstellar** [KJV20]. **interstitial** [WGRE21]. **interval** [AOB21]. **intervals** [ZZT+21]. **intervention** [IHG21, PRHS20, SRDC21]. **interventions** [BSS+20, CC22, DJ22, FG21, FG22, FG23, FGC24, HD24, JKH+23, LRST22, PAM22, ZWC+22]. **intestinal** [Avv23, HI21]. **intra** [BV24, BRS24, LLS+22, SY24]. **intra-clonal** [BV24]. **intra-host** [BRS24]. **intra-modular** [SY24]. **intra-tumour** [LLS+22]. **intracellular** [CAARG21, PLXD+20, PEMLD22]. **intracranial** [DRO23]. **intraguild** [SYH20]. **intratumoral** [WGRE21]. **intrinsic**

[LMA21, SSKP24]. **invaders** [vdBMB+23]. **invagination** [JA23]. **invasion** [AZdV+22, BH23, CGY+23, CGGG20, DTLS24, FSC21, KMA+21, MH22a, MCM20, PJB21, WHH22]. **invasive** [DP22, MGCH21, PZ20]. **inverse** [NNOBS23]. **invertebrates** [CG21, IYY22]. **Inverted** [YY21, ABOR20, Wal20]. **inverted-U** [Wal20]. **inverted-U/U** [Wal20]. **investigate** [BS21, FPGC21]. **Investigating** [HS24, LYYN20]. **Investigation** [AGTJ23, AHS23, BE22, EB21, GB23, HIA+22, HS20, LR21, MPA23, PP22]. **investigations** [WGRE21]. **involved** [BBK23, MHI23, PJVR23]. **involving** [HHI24]. **ion** [MI20]. **ionizing** [DBW22]. **irreversible** [CG21]. **irruptions** [VP22]. **ischaemic** [WP21]. **ischemia** [NMC+21]. **ischemia-reperfusion** [NMC+21]. **isokinetic** [BSV+24]. **Isola** [GK21]. **isolate** [NGKB21]. **isolation** [GGSTS21, PLR24]. **Isotropic** [KF20]. **Italy** [LMW21]. **iterated** [HPD20]. **IV** [KSSM20].

J [Akh23, CBH+23, Cor22, HPSA23, JCLS+21, PP24, Sch21a, Sch23, SSKS20, Xie22]. **jackal** [KM22, MK21]. **January** [Ano20q, Ano20e, Ano21q, Ano21e, Ano22p, Ano22e, Ano23m, Ano23d, Ano24i, Ano24c]. **Japan** [AKUN20, OIK+24, SFK+23]. **jet** [DB22b]. **jetting** [KM20]. **Jiangsu** [APR+22b, CZN+21]. **Joint** [DTS21, Ost23]. **Josephson** [YMR24]. **Journal** [D'A20a, GHS20, WLW20]. **JTB** [CKI20]. **July** [Ano20r, Ano20f, Ano21r, Ano21f, Ano22q, Ano22f, Ano23n, Ano23e]. **jump** [GWZ+22]. **junction** [WS22, YMR24]. **junction-coupled** [YMR24]. **June** [Ano20s, Ano20g, Ano21s, Ano21g, Ano22r, Ano22g, Ano23o, Ano23f, Ano24j, Ano24d]. **juvenile** [MGCH21].

keratocytes [MLK21]. **kernels** [EIK+21]. **key** [BC20, CRRRP+20, FLR+21, GRW+21, LSZ21, TWT23, ZYLW21]. **kidneys** [LPBMA21]. **Kill** [RS24]. **Killer** [Whi20, HPK+20]. **kin** [HZM+21, Sco24, SBJR21, WFT23]. **kin-selection** [WFT23]. **kinase** [NTTI22]. **kinesin** [Xie21, Xie22, Xie23, Xie24]. **kinetic** [KHAK21, LML24, PTZ21]. **kinetically** [PRFSHV20]. **Kinetics** [SSKP24, SD20, SGJ+24, WZP+23, dCC+23]. **Kingdom** [LMW21]. **kleptoparasitism** [GCX+20]. **known** [LKP+20]. **Kolmogorov** [XKV20]. **Korea** [LMW21]. **Kullback** [HGF23].

L [PD23]. **L.** [CGY+23]. **L1** [BS21]. **laboratory** [WW24]. **Lactate** [SBSB23]. **lactation** [MSM23]. **lag** [DB22b]. **lake** [SH21]. **Lamarckian** [DMR21]. **lamellipodium** [MLK21]. **laminar** [Ost23]. **land** [CBBD22, PGP23]. **landscape** [MBT22, SFK+23]. **landscapes** [BB21b, RID23, dKCA22]. **Laplacian** [LLZ+22]. **lapse** [LG23]. **Large** [LSW20, FFR23, MZG+20, Täu20, ZRL+21]. **large-scale** [MZG+20, Täu20, ZRL+21]. **larvae** [IYY22]. **Lassa** [MZG+20]. **Lasso** [HXK+20]. **late** [GRW+21, KT20b, Sak20, Sak22b]. **late-acting**

[Sak20, Sak22b]. **latency** [BK21]. **Latent** [Yin21, HHI24, PZJPZ23]. **lateral** [CSP21]. **lattice** [Ala20, Xie23]. **law** [CLG20, Ish23, Ros21, Wad22]. **layer** [AG22]. **lead** [FSNS20, HSAH20]. **leaders** [FPX20]. **leadership** [PP22]. **leads** [CWR21, ZM20]. **leaf** [LKP+20]. **leakage** [SLCC22]. **learn** [GWZ+22]. **learned** [New20]. **Learning** [Ala23, AJR+20, CA21, LFZ+24, MDCK23, NR20, OU22, Par22]. **Learning-based** [Ala23]. **learnt** [DAB+23]. **leaves** [Ros22]. **leg** [ABOR20, KPP20]. **legal** [HL21]. **LEGO** [MPTCT+20]. **LEGO-based** [MPTCT+20]. **Leibler** [HGF23]. **length** [HL24, LKP+20, SBC+20, SSR21]. **length-dependent** [SBC+20]. **lengths** [GW21]. **Lepidopteran** [SAK21]. **leprosy** [GSR23]. **leptin** [Swe20]. **lesions** [AOB21]. **lessons** [DAB+23]. **letter** [PMCLC+23]. **leucine** [NTTI22]. **level** [ASK20, GG23, HDM20, KHAK21, SKS21, WHRH+23]. **levels** [BKP23, CTL+22, CDdV23, CN20, Ros22, TCH21]. **Lewis** [Ano21-49]. **Lewy** [Kuz24a]. **Li** [KK22a]. **Life** [AL23, APR+22a, BBDB22, Di 20, HL24, IYY22, KI21, KYI21, PBD+20, TH21, YYI21]. **life-cycle** [IYY22, PBD+20]. **lift** [SXJ20]. **ligand** [CKM+20, WRB22]. **ligand-induced** [WRB22]. **light** [BEBA20, MIP+21, PP20, PP24, SC21]. **like** [FSKG20, FGA+24, FET+24, RB22, RBD+20, SSM+22]. **likelihood** [GFH20]. **limit** [BM20, SBB+22]. **limitations** [BJB+20, ESW24]. **limited** [BF20, CD22, CLLL20, Kuz24b, LGBG23, SPLS+23]. **limits** [DTLS24, DB22b, Sch18, Sch21a]. **line** [CLSB23, CSP21, KP21, LG23]. **lineage** [SSKS18, SSKS20]. **linear** [KL21b, MPTCT+20]. **link** [SY24, ZYLW21]. **linked** [KNK21, Swe20, VTDM21]. **Linking** [DHLS20, LX21, GHS18, GHS20]. **lipid** [Swe20]. **literature** [NR20]. **little** [BF20]. **lived** [TS23, ZF21]. **liver** [GBRM21, HBWLLPA21]. **livestock** [BGB+21, CBBD22, KHW+22, SHH20]. **livestock-associated** [SHH20]. **living** [Bar21, ND22, TBNS23]. **load** [BNP+21, LZ23, PWC+23, SdB23, SHH20]. **loading** [IHO+20]. **loads** [Xie20, Xie21, Xie22]. **lobe** [PR21, TKR+21]. **local** [BP21, BYHH20, FOY21, HCC+21, LNT23, LRST22, RBG+23, SMEG22, Ter23, WCD21]. **localities** [ENMW21]. **Locally** [BGC+20, SC23b]. **location** [PCR23, ZLYL20]. **loci** [KNK21]. **lockdown** [SXJ20]. **lockdowns** [BGM22]. **Lockhart** [CLD21]. **locomotion** [CCSF21, ELRG21]. **locus** [Sak22b, SSS21]. **lodging** [BSJ20]. **logarithm** [Wad22]. **logical** [ZMKF22]. **logistic** [Sch18, Sch21a]. **Long** [COB23, FGC24, Rav21, BW24, BBH+20, HD24, MPH+22, MGFS+20, MWO21, PL20, SAK21, SXL+20, SWK+20, TS23, WCD21, ZF21]. **Long-distance** [COB23]. **long-lived** [TS23, ZF21]. **long-range** [MGFS+20]. **Long-term** [FGC24, Rav21, MWO21, PL20, SXL+20]. **longitudinal** [DNK+24, LKP+20, Xie21, Xie22]. **loop** [DB22a, FG21, Wad22]. **losers** [PPFB24]. **loss** [BD22, CBKS21]. **lost** [CK20b, KC22]. **Lotka** [CLSB23, MMG21]. **Low** [ABOR20, ASS+23, CWR21, KHAK21]. **low-** [ASS+23]. **lower** [Cor21, Cor22]. **lowers** [GFC+22]. **LRBmat** [TMC+23]. **lumen** [NNOBS23]. **luminal** [Avv23]. **lung**

[ACF22, BE22, BGGM23, Don23, EB21, MHV+21, PBD+20]. **Luxembourg** [KPA+21]. **Lyme** [CPHL+20]. **lymph** [PZJPZ23]. **lymphatic** [ORT24, RRZDF20]. **lymphopoiesis** [CMRMC+21]. **lysogen** [CWR21].

MacArthur [Bar23]. **machine** [HXK+20]. **machinery** [GHS18, GHS20]. **machines** [TH20]. **macro** [MPTCT+20]. **macroevolution** [DHLS20]. **Macrophage** [FLRR23, BE22, FLR+21, LMC21]. **macrophages** [BJB+20, EB21]. **macroscopic** [GHS18, GHS20]. **magnetic** [ASP23]. **mainland** [RLW+21]. **maintain** [PB22]. **maintained** [Sak22b]. **Maintaining** [MCO21]. **maintains** [vBW20]. **Maintenance** [Sak20, BPP+20]. **major** [TWT23]. **makes** [MIP+21]. **making** [Bai21, JCC20, PP22]. **malaria** [AY22, Hen20, MSL23, MSK+22, Ngo22, SLML20]. **male** [AKHM23, IY22, YI21]. **males** [IIHH21, Jam21]. **Malpractice** [CKI20]. **mammal** [Dal22]. **Mammalian** [GT20, ASK20, WSEK23]. **Management** [PRHS20, AJR+20, BB21b, CBBD22, FG21, HPWvdB20, MH22a, OKT+21, SYI20, TMTK22]. **mandatory** [FHM20]. **maneuver** [RRAO21]. **manifest** [YY21]. **manipulate** [SMS20]. **manure** [CBBD22]. **Many** [BTS24]. **Many-to-many** [BTS24]. **map** [BRN+22, SMM+23]. **map-based** [BRN+22]. **Mapping** [GT20, BTS24]. **March** [Ano20t, Ano20h, Ano21t, Ano21h, Ano22s, Ano22h, Ano23p, Ano23g, Ano24k, Ano24e]. **MARCKS** [FET+24]. **marginal** [WBS20]. **marine** [BvdG20, Dal22, IYY22, XDZ+21]. **marital** [CK20b, SW22]. **mark** [SKNvRL23]. **mark-dead-recovery** [SKNvRL23]. **Markov** [CP23, FPGC21, LZW23, PRP+20]. **Markovian** [BBDB22]. **marsh** [ZSS+22]. **mass** [KJV20, RS24]. **master** [GFN23]. **master-slave** [GFN23]. **mastitis** [SYI20]. **Maternal** [NTTI22, SL23, ZF21]. **Mathematical** [AGP+21, AMA20, AY22, BE22, BLRV21, BT22, BSV+24, BGA21, EB21, GMR+24, HI20, LHG+22, LCMW21, MPH+22, MHV+21, PASO21, Rob22, SL23, Swe20, TEWN21, TCH21, WP21, YE21, vdVPW+22, ABB+22, AML+22, AMR+23, APR+22b, BBK23, BJB+20, BGC+20, CGY+23, CRGGSC20, CBH+22, CBH+23, CHMM23, CMRMC+21, DAB+23, DSdP22, DSM+23, DYS+21, DRO23, EHP+21, FH23, FLR23, GDd+21, GBF20, GO21, GBRM21, GSR23, GZGH22, GLLP23, Han23, HCJT23, JME24, KR22, KV23, KKS23, KK23, Lei20, LLS+22, LGBG23, MF21, MF22, MDF21, NWVN20, OGD+20, PPFB24, PAM22, PGC+22, RT24a, Roy21, RY22, SXL+20, SSX+22, SF23, SF24, SNK20, SOGK+23, SBJR21, TKRA20, WWR+24, WRB22, WCWL21, WSC+22, WSEK23, XYK+20, XZZ+23, YTH+21, dCC+23]. **maths** [DAB+23]. **mating** [CT22, GCM23, RWHK21, Sak22a]. **Matrix** [PJB21, ABC+21, BH23, GHA+20, IHO+20, ST20]. **matrix-deposited** [BH23]. **matter** [FFNG+21]. **maximizes** [Sme21]. **maximizing** [HMS21]. **maximum** [GFH20, GRW+21]. **May** [Ano20u, Ano20i, Ano21u, Ano21i, Ano22t, Ano22i, Ano23q, Ano23h, Ano24l, Ano24f, FVB20, LPD23, PD23, ZWC+22]. **MCF7** [GHB22]. **mChialvo** [SMM+23]. **mean** [TDRC23, dDA21]. **mean-arterial** [TDRC23].

meaningful [TT20]. **means** [LYYN20]. **measles** [FHM20, SSX+22]. **measure** [AGTJ23, CN21]. **measured** [CK20b, KC22]. **measures** [BERR20, KHW+22, LL20, NKE23, Pie21]. **Mechanical** [LZ23, Tay23, GHS18, GHS20, TKR+21]. **mechanics** [Coh20, GRW+21, SS22]. **Mechanism** [HH21, MP22, ACD20, FZE22, GT22, HL20, NNOBS23, NO24, OY21, SAK21, SVHM+21, Xie23, YXW21, ZLYL20]. **Mechanisms** [SK23, WS22, CLD21, CBK+20, HD22, JKSD23, LSZ21, Nah20, SWK+20, SBW+22b, TH21, ZQHN24]. **Mechanistic** [DRO23, MZG+20, SBC+20, XCH+20, BS21, CF20, KHW+22, TKRA20, VVD24]. **Mechanistic-mathematical** [DRO23]. **mechanochemical** [KJM20]. **mechanoreceptor** [PCR21]. **mechanosensory** [PTK+24]. **media** [DTS21, YTY+20, YSP+23]. **mediated** [BJG21, DBD23, FK21, HSL24, KJM20, LYE+24, MB22, PJVR23, SK21, SBC+20, TDRC23, PL20]. **medicine** [NDB20]. **Mediterranean** [KGP+22]. **medium** [FFR23]. **medium-large** [FFR23]. **meet** [GCX+20]. **melanoma** [TKRA20, XZZ+23]. **MELK** [NTTI22]. **mellitus** [DNK+24]. **membership** [VB21]. **membrane** [Car23, NNOBS23, PLXD+20, QYY+23, SHY21, WM21a, XSH+24]. **membrane-bulk** [PLXD+20]. **membranes** [SSKP24, YMR24]. **Memory** [LFJ21, MBT22, FNGJ21, IHO21, KR22, LGSR21, RY22, ZSN22]. **Memory-driven** [LFJ21]. **Memory-guided** [MBT22]. **memory-TFT** [KR22]. **memristive** [KR22]. **menopausal** [Dal22]. **menstrual** [ASSL22, AGBLGA+22]. **mesenchymal** [GHB22]. **mesh** [LMLP20]. **mesoderm** [JA23]. **meta** [MS20]. **meta-heuristic** [MS20]. **metabolic** [CP23, CKM+20, CTL+22, CDdV23]. **Metabolism** [CRGGSC20, CKM+22, ISC23, JS23, LPBMA21, Swe20]. **metabolites** [SL24]. **metacommunities** [MG21, QPL21, RH23]. **metacommunity** [BACS24, Cai22, VB21]. **metapopulation** [BYHH20, HAP22, LNT23, MH22a, MM22, dKCA22]. **metapopulations** [ON24]. **metastatic** [DBS23, GYY+23, Han23]. **meteorological** [ZZ22]. **methicillin** [SHH20]. **methicillin-resistant** [SHH20]. **method** [CRG+23, DSdP22, GWZ+22, HXK+20, KK22a, LGT21, LFZ+24, LLZ+22, MMS+23, PZG20, TMC+23, YAN21, YLT22]. **methods** [BKP23, KHB+22, MS20, PTZ21, SOGK+23, TH20, WBS20]. **methylation** [DKSP24, GK20, LS21]. **metrics** [PB21, ZMKF22]. **MGMT** [LS21]. **MI** [REK20]. **mice** [GDQR23]. **micro** [DHLS20, BAJ+21]. **micro-CT** [BAJ+21]. **microalgae** [PP20, PP24, MB21]. **microbe** [MC22]. **microbes** [HI21]. **microbial** [Ala20, BRBF20, CLG20, KHBS20, KYHN23, TMC+23]. **microbicidal** [BJB+20]. **microblog** [YSP+23]. **microenvironment** [GF23, HAP22, HS24, JS23]. **microenvironmental** [FSK21]. **microfibril** [CLD21]. **microplastics** [WW24]. **microRNA** [PL20, SOKZ22]. **microRNA-mediated** [PL20]. **microscopic** [GHS18, GHS20]. **microscopy** [LG23]. **microtubule** [AW22, JMD20, Xie23, YSK23]. **microtubule-based** [JMD20]. **microtubules** [RKP20]. **microvascular** [KG23]. **microvasculature** [HBK+20]. **microvesicle** [DMR21]. **microvessels**

[FFR23]. **midbrain** [ZSL23]. **migrating** [SKNvRL22]. **migration** [BEBA20, DHLS20, HVTA20, HH20, MPC+24, OKT+21, PABS23, YdKdJ+20]. **migrations** [LFJ21]. **Miller** [KJV20]. **mimicry** [QHS23, TT24]. **mineral** [RBD+20]. **mineral-rich** [RBD+20]. **mineralization** [CPMF+22]. **minimal** [CA21, KG22, MAHMH20]. **minimising** [FB24]. **minimization** [Ros21, SL22]. **minimize** [Ros22]. **minimum** [CLF+22]. **miR** [SMS20]. **miR-9** [SMS20]. **miR34** [NWVN20]. **miRNA** [BJG21]. **miRNA-mediated** [BJG21]. **mitigated** [Tay23]. **Mitochondrial** [QYY+23, FMO23, GCC20]. **mixed** [Ala23, CBBD22, CBKS21, EB21, KRSG24, RWHK21, SKS21, Sak22a, PK23]. **mixed-mode** [KRSG24, PK23]. **mixing** [Avv23, DJ22]. **mixture** [FGA+24]. **mixture-like** [FGA+24]. **MMM** [ZSN22]. **mobility** [MM22, MDF21, RH23]. **modal** [LFZ+24]. **modalities** [HAP22]. **mode** [BAU+22, CP23, HFD23, KRSG24, PK23]. **Model** [ASK20, BKZ+22, BMB+21, FHR22, AGP+21, AG22, AKHM23, Ala20, Ala23, AZdV+22, AHW21, ABK24, ABOR20, ABB+22, AML+22, AGBLGA+22, ACF22, ACP20, AABG20, AMR+23, AZYF+23, BCC+21, BRN+22, BvdG20, BPP+20, Bar23, BC21, BGB+21, BBDB22, BJB+20, BGC+20, BRBF20, Bol22, BM20, BV24, BGGM23, BGA21, BGM22, CGY+23, CGK23, CRGGSC20, CLF+22, Car23, CBH+22, CBH+23, CMLM23, CF20, CGW22, CDC20, CLSB23, CS20, CCSF21, CBKS21, CSP21, CGGG20, CA21, DMR21, DTS21, DN22, DCS20, DDDMT22, DSM+23, DYS+21, DO21, DJ22, ES20, EWS23, EHP+21, ECH+23, EBK21, FG22, FPX20, FFR23, FH23, FPGC21, FBSD22, FGA+24, FET+24, FLR+21, FLRR23, FSC21, DNK+24, GTGB21, GDd+21, GFH20, GMMR22, GSW+23, GCX+20, GCC20, GO21, GGSTS21, GJDS20, GFN23, GBRM21, GBHNHVL23, GW20, GF23]. **model** [GGG21, GPDW20, GHF22, GHS18, GHS20, GYY+23, HIA+22, HBK+20, HAP22, HYM+22, Hen20, HCJT23, HBWLLPA21, HXZ+22, ISC23, IH21, IY22, JS23, JME24, JFCK20, JA23, JWKA21, JCLS+11, JCLS+21, JLK22, JKH+23, KT20b, KG22, KR22, KKS23, KK22a, KHW+22, KSSM20, KJM20, KHAK21, KKK+20, LS21, LR21, LMB22, LYE+24, LPBMA21, LLS+22, LMS21, LX21, LGBG23, LFJ21, LMA21, LCYD23, MP22, MLK21, MSB24, MD22, MFGACST23, Mar24, MEPS22, MH22b, MI23, MPC+24, MEBNZ24, MF21, MF22, ML21, MDF21, NCL20, NNOBS23, NWVN20, OGD+20, Ost23, PPS+21, PLXD+20, PK23, PGC+22, dAPdBMTS20, Pro24, dMQHRGA+22, dVRA20, RZRS+22, RRAO21, Roy21, RY22, RBW20, SPLS+23, Sak22b, SSB20, SLTD22, SKNvRL22, SKNvRL23, SD20, Sch17, Sch23, SMEG22, SRDC21, SL21, SLML20, SWK+20, SF23, SF24]. **model** [SBW+22a, SNK20, SBSB23, SFYL20, SHH20, SD22, SUA+20, SVHM+21, SXJ20, SH21, SBJR21, Swe20, TMTK22, Tay23, TTBL21, TH20, Tsu20, TKRA20, VKS+20, VA22, VGC22, WWR+24, WSY21, WDH+20, WCWL21, WFT23, WDA+23, WSEK23, XYK+20, XZW+24, YWQX23, YTH+21, YM23, ZSN22, ZG21, ZWC+22, ZWT24, dLFO21, dCC+23, EHA+21]. **Model-based** [BMB+21, FHR22, ECH+23]. **modeled**

[EE23, IJROTE22, ZSS+22]. **modelers** [ZMKF22]. **Modeling** [ATAJS20, AW22, BW24, BBH+20, CCF+20, CAARG21, CHT22, CLJ+23, CPM21, DSB+21, DBW22, FFR22, GHB22, Goy21, GQK+21, GDQR23, HBGV+21, JKSD23, KG23, KBS+19, MK21, MDG24, PGP23, PWC+23, RNP+21, RSPB+22, SJNRS20, Ter23, UV23, Wal22, ZRL+21, ZZ22, Avv21, BS21, BYHH20, BT22, BSV+24, BLP20, CC22, DRO23, FLR23, GMR+24, GTE20, GFV+23, GEHL+22, HI20, HS20, JHFMP+21, KV23, KLLL22, KTP+20, KM20, KK23, Kuz24b, LRAP22, LHG+22, LSZ21, LCMW21, LB20, MHV+21, MAHMH20, MCP20, NDB20, PCLL21, PRFSHV20, Pat22, PHL+23, PBB20, PAM22, RRZDF20, SBC+20, SL23, TCH21, TTBL21, Tha24, VTDM21, WLJ+20, WSC+22, XZZ+23, YSP+23, YE21, ZQHN24, CCA20, FGES24, KBS+20, LZZ+23]. **modelled** [CG21]. **Modelling** [ASSL22, AMSC20, BHW+20, CZN+21, CSHH20, CLD21, CLLL20, FG22, GTGB21, GZM+20, HPK+20, HCSAB21, Hil23, Hon20, KPA+21, LMC21, LFY+24, NNG20, PD23, PJVR23, PBD+20, STCSC+21, SMM24, SCHH20, Ste21a, TML20, TGC22, TS23, dJHP20, ASK20, ABBP21, AMA20, AY22, APR+22b, BLRV21, BEBA20, BEO+22, BDdG22, CBK23, CMRMC+21, CN21, DAB+23, DLN20, DEM+23, GCC20, GZGH22, GLLP23, GtHH20, HMLO+23, MZG+20, NMC+21, NGKB21, PCR23, PASO21, RKP20, SXL+20, SSX+22, WP21, WRB22, XCH+20, ZZGG21, ZBT22, vdVPW+22, SC23a]. **Models** [BERR20, YRMWT20, AGP+23, ABBP21, ASMN23, AR21, ADP21, BK20a, CK20a, CN20, DSdP22, DCL23, FS22, FSKG20, FVC20, FGC24, HTD22, KPH+24, LT23, LK20, LH20, MMG21, MPH+22, MCO21, PLAC22, RB22, RT24a, Rob22, RMG+21, Sco24, SBW+22a, SBB+22, SMM24, TNHV21, WCM+21, WW24, WHRH+23, Wor20, XKV20, XCFH23, ZPP23, dDA21]. **modes** [PJB21, Tsu20, XZW+24]. **modification** [BSS+20]. **modifications** [HSL24]. **Modified** [JKH+23, BAU+22, NAR+20]. **modular** [BEO+22, SY24, TS23, YLZ+21]. **modularity** [PMCLC+23, SY24]. **modularity-disease** [SY24]. **modulate** [KPP20]. **modulates** [CCPD22, CBZK21, WCD21]. **modulating** [HS24]. **modulation** [GK21]. **modules** [RW20, YLZ+21]. **moiety** [GHA+20]. **Molecular** [CRRRP+20, Sch21b, SMS20, Xie23, ACD20, MPTCT+20, Nah20, OSAR21, RK22b, RBG+23, SS23, TH20, Xie24, ZSN22]. **molecularly** [PK23]. **molecularly-explicit** [PK23]. **molecule** [KJV20]. **molecules** [KJV20]. **moment** [HH21]. **moments** [Sch18, Sch21a]. **monitoring** [DSB+21, PLAC22]. **monogamous** [HH20]. **monolayer** [MI23]. **monomers** [Kuz24b]. **Monte** [LGT21]. **Moon** [RBW20]. **Morphogen** [WA22]. **Morphogen-directed** [WA22]. **morphogenesis** [MMS+23]. **morphology** [HXS21]. **mortality** [MGCH21, NAR+20, SFYL20, ZQHN24]. **mosquito** [TEWN21]. **most** [DAB+23]. **moth** [TKR+21]. **moths** [GtHH20]. **Motif** [GW21, Wad22]. **motility** [Avv21, BM20, PK23, TCMA21]. **motion** [BFG21, PP20, PP24]. **motions** [YBF23]. **motor** [RKP20, Sch21b, Xie21, Xie22]. **motors** [Xie20, Xie23, Xie24]. **mound**

[FOY21]. **mouse** [CPHL+20, KKK+20, dGSNK22]. **mouth** [RLW+21]. **mouthpart** [SAK21]. **movement** [ABBP21, EP20, FH23, HVC+21, HL24, LFJ21, MI20, OIK+24]. **movements** [CCPD22]. **moving** [CCSF21]. **mRNA** [ECBR20]. **mtDNA** [HD22]. **mTORC1** [GMS20]. **mucin** [JME24]. **mucosal** [AMA20]. **mucus** [JME24]. **muddy** [RBD+20]. **Muller** [BS22a]. **Muller's** [KNK21]. **Multi** [DSdP22, NNOBS23, ZSL23, ASK20, BCGG21, Coh20, Cor21, Cor22, GSW+23, HSAH20, LX21, LFZ+24, LMC+20, LCYD23, MEPS22, MCM20, Pro24, SS23, Sin21, TGC22, ZB22]. **multi-agent** [Pro24]. **multi-drug** [BCGG21]. **multi-host** [Cor21, Cor22, Sin21]. **multi-level** [ASK20]. **Multi-method** [DSdP22]. **multi-modal** [LFZ+24]. **multi-objective** [ZB22]. **multi-omics** [LCYD23]. **Multi-scale** [NNOBS23, Coh20, LX21]. **multi-source** [LMC+20]. **multi-strain** [GSW+23, MEPS22, MCM20, TGC22]. **Multi-timescale** [ZSL23]. **multi-type** [SS23]. **multi-year** [HSAH20]. **multicellular** [MCO21, SMEG22, WMO23]. **multidrug** [GSR23]. **multifarious** [KKS23]. **multihost** [SYH20]. **multimers** [KB20]. **multinomial** [SKNvRL22, SKNvRL23]. **multiplayer** [CWW22]. **Multiple** [KBD+23, MHI23, AHS23, BvdG20, BV24, CDC20, FRMK22, GQK+21, LMG22, MF21, SBM+20, SXJ20, XCH+20, vBW20]. **Multiscale** [PP20, PP24, ST20, BCC+21, CGGG20, DSM+23, SMEG22, YJZ+24]. **Multisolitons** [FET+24]. **Multisolitons-like** [FET+24]. **multispecies** [RK22b]. **Multistability** [Pfe22, FLR+21]. **multistable** [GT22]. **multivariate** [PLM24]. **mumps** [APR+22b]. **Murray's** [Ros21]. **Muscle** [GRW+21, AG22, CDC20, Coh20, GHS18, GHS20, IHO+20, PCLL21, PO20, SL21, XSH+24]. **Mushroom** [GK21]. **mussels** [ZSS+22]. **mutagenic** [SSS21]. **mutant** [EWK20, HII22, HD22]. **mutated** [ZWC+22]. **mutation** [AL23, KNK21, KL21b, LZW23, TS23]. **mutation-selection** [KNK21]. **mutations** [CWT+23, HBG21, Sak20, Sak22b]. **mutual** [DB22a, LL20, MHI23]. **mutualistic** [BSC20b, DBD23, KYI21]. **mutualists** [YJBF20]. **mutually** [GQG23, YST21]. **mutually-repressed** [YST21]. **Mycobacteria** [FK21]. **Mycobacterium** [AKUN20, AML+22, JLK22, WPEP22]. **mycorrhizal** [MGZ+21]. **myeloma** [BV24]. **myocardial** [ABB+22, MF22, NMC+21]. **myocarditis** [vdVPW+22]. **myocytes** [MCL21].

n [Kur23]. **n-player** [Kur23]. **nACh** [WM21a, WM21b]. **nanoparticle** [ASP23]. **nasal** [PWC+23]. **National** [KM22]. **natural** [Akh22, Akh23, Hon20, HL24, Jam21, KT21, WW24]. **naturally** [CN20, HL21]. **naturally-bounded** [CN20]. **nature** [DB22a, GRW+21]. **navigation** [HCC+21]. **NCHB** [PZG20]. **near** [BM20]. **nearest** [Ios21]. **necessary** [SLCC22]. **neck** [SCD+23]. **nectar** [HZS+21]. **needed** [GFV+23]. **negative** [BBK23, LYE+24, LMS21, SVHM+21]. **neighbor** [Ios21]. **neighboring** [ENMW21]. **Neisseria** [TKB+20]. **neither** [HHI24].

nematode [EBK21]. **neocortical** [GFN23]. **Nepal** [AGP+21, AGP+23]. **nervous** [CGGG20]. **nested** [NBBR23]. **nestedness** [Bau20]. **net** [RP21b]. **nets** [ASK20, Ngo22, ORT24]. **Network** [PB21, RT24a, TNHV21, VTDM21, ACG24, AZYF+23, BSC20a, CPMF+22, CC22, DBS23, EWS23, FLRR23, GFN23, GSMG22, LK20, Nah20, PZXC22, PABS23, dAPdBMTS20, dVRA20, RBG+23, SOKZ22, SMM+23, WDT+20, WLW19, WLW20, YZSS20, YST21, YdKdJ+20]. **Network-based** [RT24a]. **network-structured** [PABS23]. **networks** [AGTJ23, BGB+21, Bau20, CP23, CKM+20, CKNCG22, DBD23, EIK+21, EWS23, GT22, IKYW21, KG23, LL20, LWXM20, MM22, PJVR23, PPGB20, PB21, PZG20, RMSS24, RW20, RBG+23, Ter23, Tha24, WW22, YLZ+21, dDA21]. **Neural** [GtHH20, LL20, WDT+20]. **Neuro** [GT20]. **Neuro-Glia** [GT20]. **neurobiology** [Bar21]. **neurodegenerative** [FSKG20, RB22]. **neuromuscular** [WS22]. **neuron** [BSC20a, YMR24]. **neuron-system** [BSC20a]. **neuronal** [BBK23, CHT22, YLZ+21, ZSL23]. **neurons** [BRN+22, GFN23, SHY21, TKR+21]. **neurovascular** [BSC20a, CGK23]. **Neutral** [MY20, BJR+22, FVC20, PLM24]. **neutralization** [PS22a]. **neutralizing** [dCC+23]. **niche** [MCO21, PASO21, RID23]. **Nigeria** [MZG+20]. **Nile** [BGC+20]. **NIRS** [BSC20a]. **nitric** [GJDS20]. **nitrogen** [CBBD22]. **NMDA** [MP22]. **No** [Bar23, Goy21, LMA21]. **node** [ADP21, PZJPZ23, Wad22]. **node2vec** [MM22]. **nodulation** [KYI21]. **Noise** [YM23, HGCC22, PEMLD22, SOKZ22, Tsu20, WS22, WNHK21, YFZ+20]. **Noise-induced** [YM23, SOKZ22]. **noises** [YM23]. **noisy** [DF22]. **Non** [DB22b, FZE22, Xie20, AMSC20, BE22, BB21b, FGC24, GTGB21, HL24, IHG21, JKH+23, Kan21, LRST22, MTLZ22, MWO21, Täu20, TBNS23, TH21, XKV20, ZWC+22]. **Non-24-h** [DB22b]. **non-adaptive** [Täu20]. **Non-cooperative** [FZE22]. **non-enzymatic** [TH21]. **non-equilibrium** [AMSC20]. **non-essential** [Kan21]. **non-grouping** [TBNS23]. **non-homogeneous** [IHG21]. **non-human** [HL24]. **non-Kolmogorov** [XKV20]. **non-pharmaceutical** [FGC24, JKH+23, LRST22, ZWC+22]. **non-random** [MWO21]. **non-recessive** [BB21b]. **non-small** [BE22]. **Non-tight** [Xie20]. **non-uniform** [GTGB21, MTLZ22]. **nonfeeding** [IYY22]. **Nonlinear** [FBJR20, NVS20, Tsu21, ZB22, AHW21, AGTJ23, FNGJ21, GSC23, SVHM+21]. **nonlocal** [EIK+21, MMG21, VGC22]. **nonparametric** [CRG+23]. **nor** [HHI24]. **normalization** [HS24]. **normoxia** [CBZK21]. **northwest** [XDT+20, ZZ22]. **Notch** [Pfe22, SMS20]. **Nothing** [EBA21]. **Novel** [GT20, IB21, ASF22, FSC21, GGSTS21, HXK+20, LMC+20, MZLJ20, MS20, PRJ+20, RP21b, Roy21, SLTD22, TMC+23, VGC22, YJZ+24]. **November** [Ano20v, Ano20j, Ano21v, Ano21j, Ano22u, Ano22j, Ano23r]. **nuclear** [LHG+22]. **nucleation** [FSKG20, RB22]. **nucleotide** [BEO+22]. **null** [CCSF21]. **number** [BTS24, DF22, HMS21, KRSSH21, LMW21, XDT+20]. **Numerical** [KG22, Kuz24b, MPA23, AKHM23, PP20, PP24]. **nuptial** [IY22]. **nurse** [MCL20]. **nut** [ZLYL20]. **nutlin** [AAL+21]. **nutlin-3a** [AAL+21].

Nutrient [MSB24, ABB+22, AML+22, ACP20, LGBG23, OTI+20, SFYL20]. **nutrient-** [AML+22]. **nutrient-limited** [LGBG23]. **nutrient-phytoplankton** [SFYL20]. **nutritional** [FHTK20].

O [AG22]. **obesity** [SF24, VTDM21]. **obesity-induced** [SF24]. **objective** [ZB22]. **objects** [CRDD22]. **obligate** [KM22, VB21]. **observability** [Mar24]. **observation** [GSR23, MMI21]. **Observations** [JFCK20]. **observer** [BAU+22]. **obstacles** [Pro24]. **obstructive** [DEM+23]. **occur** [LS21]. **occurrence** [GMV+20, HHI24, MGVS21]. **ocean** [Ios21]. **October** [Ano20w, Ano20k, Ano21w, Ano21k, Ano22v, Ano23s]. **ocular** [Ost23]. **ODEs** [ILGI20]. **off** [APR+22a, BSS+20, Cai22, MEA21, VP22]. **offs** [SUA+20]. **Ohio** [KBW+23]. **old** [SL24]. **Olfactory** [HCC+21, PR21, Bar21, TKR+21]. **Oligomerisation** [Koc20]. **olive** [BCS+22, WWR+24]. **Omicron** [PD23]. **omics** [LCYD23]. **omnivores** [BD22]. **on-going** [Hon20]. **Oncolytic** [SC23a, JFCK20]. **oncotically** [JJR20]. **One** [GHS18, GHS20, BRN+22, BC21, FET+24]. **one-dimensional** [BRN+22, BC21, FET+24]. **ones** [Dal22]. **Ongoing** [PZJPZ23]. **only** [Dal22]. **onset** [CR20, ML21]. **opinion** [YSP+23]. **opinion-transfer** [YSP+23]. **Optic** [YBF23]. **optically** [SC21]. **Optimal** [ASP23, CGW22, CS20, CS21, GQG23, HMS21, KYI21, MSLW23, MH22a, PLAC22, UIY22, VMRSL23, APL21, BKP23, CD22, DBD23, GCX+20, HPWvdB20, MB21, MSL23, MC20a, NDB20, PHL+23, RG21, SYI20, SBM+20, TATT21, TTBL21, ZZB+21]. **optimality** [BF20, MBF21]. **optimally** [NTTI22]. **Optimisation** [KKL20]. **optimising** [FG22]. **Optimization** [KK23, DCS20]. **optimizing** [SLTD22]. **opting** [Kur23, LL21]. **opting-out** [Kur23, LL21]. **option** [GDd+21, Kur21, Kur23]. **OQDS** [BCS+22]. **orbit** [MC20b]. **orbits** [LW20]. **orchestrates** [AVSTS23, GK21]. **orchid** [SWK+20]. **order** [GFN23, LMB22, LPD23, PR21, RMG+21, SSR21, Wad22]. **Ordovician** [ELRG21]. **organisation** [ES20, PRP+20]. **organised** [AMSC20]. **organisms** [HL21, ND22, PTK+24]. **organization** [HJKS20]. **organize** [STCSC+21]. **organized** [HL20]. **organophosphates** [GJCLMQC20]. **organotypic** [FSC21]. **orientation** [GLLP23]. **origin** [Di 21, JWKA21, KI20, SK21, TH21, Wal20]. **originate** [AS21]. **Oryctes** [CGY+23]. **oscillation** [HXZ+22]. **Oscillations** [SGJ+24, CSF20, CBK+20, LYE+24, MP22, PLXD+20, PK23]. **oscillatory** [IHO+20, MP22]. **OSIRIS** [BvdG20]. **osmoregulation** [UIY22]. **osmotic** [DN22]. **osmotically** [DN22]. **osteoblast** [CPMF+22]. **osteogenic** [DBTI21]. **otter** [LZ23]. **outbreak** [BGM22, CR20, LRST22, SOGK+23, YLT22, ZRL+21]. **outbreaks** [APR+22b, BCS+22, BFSA23, ENMW21]. **outcome** [Goy21]. **outcomes** [DTLS24, FBA21, JLK22]. **outcrossing** [YI21]. **outer** [BCC+21, QYY+23]. **output** [KMI23, SHY21]. **outward** [SHY21]. **ovarian** [FHR22]. **overdispersion** [GFH20]. **overlapping** [XML22]. **overproduction** [Sak22a].

ovules [Sak22a]. **ownership** [Cai22]. **oxide** [GJDS20]. **OXPHOS** [JS23]. **oxygen** [NM23, TCH21]. **oxygenation** [SLTD22]. **oyster** [JCLS+11, JCLS+21].

p38 [KLLL22]. **p53** [AVSTS23, AAL+21, BAU+22, NWVN20]. **packing** [RID23]. **paddy** [LYYN20]. **paediatric** [SdB23]. **PafBC** [FK21]. **PafBC-mediated** [FK21]. **pair** [AZdV+22, CT22]. **pair-formation** [AZdV+22]. **pairwise** [LK20]. **pancreatic** [CHMM23, FVB20, PAM22]. **Pandemic** [HMLO+23, AGP+23, APF+24, ASS+23, DAB+23, JKH+23, NGKB21, XCH+20]. **pandemics** [STCSC+21]. **paper** [WM20]. **papillomavirus** [GMMR22, GTE20]. **paradigm** [AA22, BH20]. **paradox** [Sco24]. **Parameter** [DCS20, KBD+23, SBW+22a, DO21, FHR22, GMR+24, KH20, SBB+22]. **parameters** [GB23, GFV+23, SC21, WHRH+23]. **Parasite** [HK21]. **parasites** [CBPG23, TEWN21]. **parasitic** [MCL20]. **parasitoid** [Sin21, VP22]. **parasitoids** [MGCH21]. **parent** [Sak22a]. **Park** [KM22]. **Parkinson's** [HXZ+22]. **parsimonious** [FGC24]. **part** [DAB+23, CTL+22, CDdV23]. **partial** [SMM24, VGC22]. **particle** [BLRV21, LFY+24]. **particles** [HYM+22]. **partner** [EBA21, ZWWW23]. **passage** [BJG21, WA22]. **Passive** [PCR23, AJR+20, BC21]. **past** [CKNCG22, Pro24]. **patch** [GSC23, SXJ20, ZZB+21]. **paternal** [HMS21]. **path** [LKP+20]. **pathogen** [HI20, LT22, MW20, TGC22]. **pathogens** [FG23, GG23]. **paths** [MMI22, Swe20, YZB20]. **pathway** [AZYF+23, CSF20, CKM+22, FSNS20, GMS20, KPH+24, LMA21, VTDM21]. **pathways** [BBK23, CTL+22, CDdV23, SL24, SMM+23, XYK+20]. **Patient** [DO21, BG21, DLN20]. **Patient-specific** [DO21, DLN20]. **patients** [DEM+23, PAM22, TKRA20]. **Pattern** [HYM+22, PLXD+20, ZSS+22, BPM+22, CGW22, DEM+23, HS20, HII22, HH20, JMD20, KG22, Kan21, NO24, PP20, PP24, RK22b, WH21, ZWW22]. **patterning** [LTS+21, WCD21]. **Patterns** [Kee23, AR20, ABvH+20, CKTW24, CWT+23, EWS23, FET+24, HRD+24, HL20, KH20, LKP+20, Pfe22, SMM+23, TWT23, TKR+21, WDHB20]. **pause** [AW22]. **payoffs** [KL21b]. **PD** [BS21, LBF24]. **PD-1** [BS21]. **PD-L1** [BS21]. **peer** [LDL+24]. **PEF** [ZLYL20]. **pendulum** [ABOR20]. **peptide** [KKL20, WDT+20, ZLYL20]. **perception** [MGFS+20]. **performance** [CBKS21, FGES24, WM21b]. **Periodic** [MC20b, LFJ21, LW20, NKE23]. **periodical** [KMA+21]. **periodicity** [XDT+20, Yin21]. **periodicity-2** [Yin21]. **Peripheral** [PS22b]. **Perivascular** [dGSNK22, YTW21]. **permeability** [EE23, SJNRS20]. **permeabilization** [QYY+23]. **permits** [ABOR20]. **peroxisome** [VTDM21]. **persistence** [CHSB20, JAB22]. **Persistent** [Ste21b, AABG20]. **Personalized** [NDB20, YTH+21]. **perspective** [RSPB+22, SKS21, Ste21a]. **perspectives** [ZZB+21]. **perturbation** [HLW24]. **perturbations** [QPL21]. **pest** [BB21b]. **pesticides** [GJCLMQC20]. **pests** [IIHH21]. **petri** [ASK20]. **pH** [AML+22]. **pH-stress**

[AML+22]. **phage** [Mit20, TTBL21]. **phage-bacteria** [TTBL21]. **phagocytosis** [dLFO21]. **Phantom** [FVB20]. **pharmaceutical** [FGC24, JKH+23, LRST22, ZWC+22]. **pharmacodynamical** [AAL+21]. **pharmacodynamics** [MPA23]. **pharmacokinetics** [MPA23]. **pharmacological** [GCNZ+21, MCL21]. **pharmacology** [BS21]. **phase** [APF+24, AGTJ23, CKM+20, GT22, KBD+23, MG21, PWC+23, SVHM+21]. **phase-amplitude** [MG21]. **Phenomenological** [HBWLLPA21, AGBLGA+22, LPBMA21]. **Phenomenological-based** [HBWLLPA21, AGBLGA+22, LPBMA21]. **Phenotype** [BV24, DLN20, FBSD22, FLRR23, MEA21, RMSS24, WZP+23, WBKR22]. **Phenotype-** [DLN20]. **phenotype-detection** [RMSS24]. **phenotype-genotype** [WBKR22]. **Phenotype-structured** [BV24, FBSD22, MEA21]. **Phenotypes** [WPEP22, EB21]. **Phenotypic** [CBZK21, LS21, CBK23, EWK20, GDLF20, GFL23, MSLW23, PCLL21]. **phenotypically** [APL21]. **Philip** [Whi21]. **Philippines** [ECH+23]. **phloem** [COB23]. **phosphate** [SGJ+24]. **phosphoinositide** [dLFO21]. **phosphoinositide-based** [dLFO21]. **phospholipid** [SSKP24]. **phosphorus** [MDF21, TMTK22]. **photoacclimation** [MB21]. **photobioreactor** [PP20, PP24]. **Photoinhibition** [SC21]. **photoreceptor** [WCWL21]. **phyllotaxis** [OY21, Wal22]. **phylogenetic** [BK20a, CKTW24, GMV+20, Ish23, LT23, MGVS21, PZG20, SSR21]. **phylogeny** [BPM+22]. **physical** [LPBMA21, YXW21]. **Physically** [GCC20]. **Physically-plausible** [GCC20]. **physics** [Avv23]. **Physiological** [FSNS20, FGES24]. **physiology** [ASSL22]. **phytoflagellates** [BEBA20]. **phytoplankton** [MSB24, PB22, SFYL20]. **PID** [GFN23]. **pig** [SHH20, ZRL+21]. **pigmentosa** [Rob22]. **Pillars** [Don23, Sal24, Tha24, Wil23]. **PIN7** [Nah20]. **pine** [ZLYL20]. **pinnate** [Ros22]. **pipeline** [ASK20]. **pirate** [Mit20]. **PKC** [LYE+24]. **place** [MSM23]. **placental** [BAJ+21]. **Placoparia** [ELRG21]. **planaria** [CMLM23]. **planarian** [HL20]. **plankton** [MSB24]. **plankton-fish** [MSB24]. **planktonic** [SMJ20]. **planning** [MAHMH20]. **Plant** [MC22, ASF22, CCA20, CLD21, DP22, LKP+20, MGZ+21, NNG20, Wal22, WWR+24, WLJ+20]. **Plant-microbe** [MC22]. **plants** [KHST21, MDG24, MCL20, MI20, QHS23, ZG21]. **plaque** [Kuz24b, MF21, PCLL21]. **plasmid** [AZdV+22]. **Plasmodium** [MSK+22, DDDMT22, TEWN21]. **plastic** [APL21]. **plasticity** [CHSB20, EWK20, KKS23]. **plate** [WS22]. **platelets** [BEO+22]. **platform** [BS21, RRZDF20]. **plausible** [GCC20]. **player** [KL21b, Kur23]. **plays** [CRGGSC20]. **PLC** [LYE+24]. **pleiotropic** [Nah20]. **Poacher** [HL21]. **Poacher-population** [HL21]. **poaching** [HL21]. **point** [HBK+20, LMA21]. **points** [DBD23]. **polarization** [BBK23, Car23, FLR+21, KJM20, PLXD+20]. **policies** [WUH23]. **policing** [CKB+21]. **policy** [FHM20, TT20, TATT21]. **poliomyelitis** [CGP+20]. **pollen** [HMS21]. **pollinator** [QHS23]. **pollinators** [HMS21]. **pollutants**

[ZZ22]. **Pólya** [PLM24]. **Pólya-splitting** [PLM24]. **polymorphism** [BK20a, ZF21]. **polymorphism-aware** [BK20a]. **polyploidization** [MDG24]. **polyploids** [PS22b]. **pool** [FBA21, SdAM24]. **pools** [RBD+20]. **Poor** [ZM20, SdB23]. **poorly** [BC20]. **popular** [Mar24]. **Population** [FSKG21, SKS21, APR+22a, AR20, AKUN20, Bai21, BS22a, D'A20a, D'A20b, EWS23, EP20, EBK21, GB23, GG23, HK21, HZM+21, HSAH20, HL21, KHAK21, LGT21, LDF23, LL21, LH20, MGVS21, MTLZ22, MCP20, MB22, NKE23, PP20, PP24, RH23, SSB20, SXL+20, ST20, SBW+22a, Sin21, SD22, TBNS23, WZP+23, WSY21, WHRH+23, YI21, ZZB+21]. **Population-level** [SKS21, GG23, WHRH+23]. **populations** [AS21, ASS+23, BJR+22, BB21a, BKZ+22, BRS24, CN21, IHG21, LDL+24, LG23, LH20, LRST22, MCMdAM24, MEA21, NBBR23, ORW+20, PLAC22, PABS23, PRHS20, PAV21, dVRA20, Sak20, Sak22b, SC23b, SS21, WH21, WM20, WFT23]. **portrait** [GZGH22]. **position** [YBF23]. **possible** [BBK23, JME24, KI21]. **post** [PWC+23]. **posterior** [CSP21, HGF23]. **potassium** [SL21]. **potato** [EBK21]. **potential** [CSHH20, KPA+21, LMA21, NSD22, PAM22, TKB+20, Wal22, WS22, WUH23, XSH+24]. **Potts** [TCMA21]. **power** [FMO23, Ros22, WM21a]. **Powered** [Sac22]. **Powered-gliding** [Sac22]. **Powered-gliding/climbing** [Sac22]. **practical** [SOGK+23, WBS20]. **Pre** [JJR20, FPGC21, PGC+22]. **Pre-atherosclerotic** [JJR20]. **pre-clinical** [PGC+22]. **pre-exposure** [FPGC21]. **prebiotic** [CRRRP+20, PPGB20, RBD+20]. **precancerous** [WHH22]. **precision** [KMI23]. **predation** [AM22, BSC20b, GtHH20, IDD23, SYH20]. **Predator** [ASMN23, QPL21, AM22, BG21, FSKG21, KHBS20, KSSM20, Leh21, PPS+21, STB20, XKV20]. **predator-prey** [AM22, KSSM20, Leh21]. **predators** [CBPG23]. **predict** [CKM+20, dMQHRGA+22]. **predictability** [PL20, YLZ+21]. **Predicting** [LMW21, REK20, SL24, WDT+20, LFZ+24, Tsu21]. **prediction** [DTLS24, KYI21]. **predictions** [CCA20, GFV+23]. **Predictive** [YRMWT20, AHW21, EPF20, JLK22, PGC+22]. **predicts** [CF20, LHG+22, Swe20]. **preferences** [ZWWW23]. **preferentially** [KKL20]. **pregnancy** [ASSL22]. **presence** [Ala23, CKB+21, DP22, DHLS20, SFK+23, WZP+23]. **present** [Kur21]. **Preservation** [LYYN20]. **preserved** [AOB21]. **preserves** [RWHK21]. **pressure** [DRO23, KM20, TDRC23, WGRE21]. **prestressed** [ZL20]. **presuming** [Avv21]. **Prevalence** [BKP23, AKUN20, Cor21, Cor22, YdKdJ+20]. **prevent** [LYYN20]. **Prevention** [BCS+22, ORT24]. **prey** [ABvH+20, AM22, BSC20b, BG21, CBPG23, FSKG21, KHBS20, KSSM20, Leh21, MSM23, PPS+21, PTK+24, STB20, TBNS23]. **primary** [Ost23]. **principal** [PWC+23]. **principle** [WH21]. **principles** [AN22b, LTS+21]. **printed** [BMB+21]. **prion** [FSKG20, GCNZ+21, RB22]. **prion-like** [FSKG20, RB22]. **prioritization** [KIM+22]. **priority** [TT20]. **prisoner** [MMI22]. **pro** [LBF24]. **pro-cancer** [LBF24]. **Probabilistic**

[DEM+23, JCC20, GBHNHVL23]. **probabilities** [RK22b]. **Probability** [FVC20, CCSF21, EWK20, FSK21, GMV+20, MGVS21, MCM20, YLT22, ZWT24]. **problem** [Ios21, MB21]. **problems** [FBA21]. **proboscid** [SWK+20]. **proboscises** [SAK21]. **procedure** [NDB20]. **process** [AMSC20, Bai21, BH20, EE23, EBK21, GWZ+22, HS20, IB21, LMS21, LZW23, NNOBS23, NKE23, NTTI22, SS23, SRB+24, San21, SHK20, ZWT24]. **process-based** [EBK21]. **processes** [Bol22, GC20, PLM24, Wad22]. **processing** [DB22a, MB22, SLCC22]. **produces** [ZM20]. **production** [BLRV21, DDDMT22, OTI+20, Tsu21, YI21]. **productivity** [WDHB20]. **Professor** [Ano21-49]. **profile** [KBD+23, RMSS24]. **profiles** [DRO23]. **progenitor** [VGC22]. **programmatic** [LT22]. **programmes** [SXL+20]. **programming** [SYI20]. **progression** [CBH+22, CBH+23, PCLL21, WMO23, YXW21]. **project** [YLT22]. **Projecting** [KBW+23, SFK+23]. **projective** [RBW20]. **proliferation** [Car23, CGR22, GCNZ+21, GFL23, HD22, SK21]. **proliferative** [MCO21]. **proliferator** [VTDM21]. **proliferator-activated** [VTDM21]. **promise** [MB21]. **promote** [PHN+23, SW22]. **promoter** [GTE20, LS21]. **promotes** [CK20b, DCP+22, JMWX23, TMTK22]. **promoting** [Cor21, Cor22]. **prone** [PRHS20]. **Propagation** [DP22, NM23, LMS21, YSP+23]. **properties** [BJG21, CK20a, CMRMC+21, GBHNHVL23, HDM20, Mar24, MS20, NKE23, OSAR21, dAPdBMTS20, RNP+21, RG21, WM20, YSK23]. **property** [AOB21]. **Prophylactic** [MW20]. **proposing** [KV23]. **prosocial** [LDL+24]. **prospect** [HGCC22]. **prostate** [CPM21, RNP+21, VVD24]. **protection** [CWF23, KT21, SSS21]. **protein** [AVSTS23, BJG21, CWT+23, FSKG20, FET+24, KLLL22, LDaH22, LMC+20, Nah20, RKP20, RB22, San21, WDT+20]. **protein-peptide** [WDT+20]. **protein-protein** [Nah20]. **protein-spreading** [FSKG20, RB22]. **proteins** [BP21, Nah20, Xie21, Xie22]. **protoxylem** [JMD20]. **provide** [Wad22]. **provides** [JME24, ZYLW21]. **Province** [APR+22b, SXJ20]. **provinces** [ZZ22]. **provisions** [KT20b]. **pseudo** [WBS20]. **pseudo-marginal** [WBS20]. **public** [CPS20, FPX20, FFAV21, JCC20, RP21a]. **Puerto** [VMRSL23]. **pulmonary** [DEM+23]. **Pulsatile** [DB22a]. **pulsations** [YTW21]. **pulse** [Bau20, CKM+20, DB22a]. **pulsed** [ZLYL20]. **pumping** [dGSNK22]. **punishment** [CPS20, FFAV21, JCC20]. **purine** [RP21b]. **pyloric** [Avv21]. **pyrimidine** [RP21b].

QAP14 [GYY+23]. **QSARs** [MPTCT+20]. **qualitative** [DMPIG24]. **quality** [BBDB22, BYHH20, EBA21, HL24]. **Quantification** [YRMWT20, DLN20, RT24a]. **quantifies** [HBK+20]. **Quantifying** [ACG24, KKK+20, OKF+21, OTI+20, SD22]. **Quantitative** [PRFSHV20, PGML20, DH22, IY22, YLT22]. **quarantine** [AHW21]. **Quasi** [BJR+22, BFG21, MDF21, Sme21, ESW24]. **Quasi-neutral** [BJR+22]. **Quasi-random** [BFG21]. **Quasi-species** [Sme21]. **Quasi-steady**

[MDF21, ESW24]. **quick** [BCS+22]. **quiescence** [Avv21]. **quota** [SGJ+24].

R [KK23]. **R0** [IHG21]. **rabies** [MK21]. **radiation** [DBW22, MAHMH20]. **radiations** [PLR24]. **radical** [MSK+22]. **radiobiology** [KK23]. **radiotherapy** [CBZK21, CBK23, KK23, MEBNZ24, MAHMH20, SLTD22]. **radiovirotherapy** [ATAJS20]. **radius** [Kuz24a]. **random** [ABBP21, ABC+21, BFG21, CKTW24, FSK21, LWXM20, MWO21, Sch18, Sch21a, SFYL20]. **randomized** [TAP+23]. **randomly** [UIY22]. **range** [MGFS+20, MC22, Wad22, WCD21]. **ranges** [BRN+22, XML22]. **rank** [Pie21]. **Rapid** [Täu20, CRG+23]. **rare** [MZLJ20]. **rat** [GMR+24, GEHL+22]. **ratchet** [BS22a, KNK21]. **Rate** [DCL23, AL23, BS22a, CPEK23, CT22, IHO21, KHAK21, MMS+23, NAR+20, PZJPZ23, Tsu21]. **Rate-dependent** [DCL23]. **rates** [AM22, BRN+22, BLRV21, FVC20, GFL23, LZW23, MGFS+20, MTLZ22, RS24, ZYLW21]. **Ratio** [RS24, Gar23, HPSA21, HPSA23, NAR+20, WSY21]. **Ratio-dependent** [RS24, WSY21]. **ratios** [SSR21]. **rats** [SL23]. **RdCVFL** [WCWL21]. **Reacting** [ENMW21]. **reaction** [BNP+21, CGW22, EIK+21, GJDS20, KG22, KBS+19, KBS+20, KB22, PLXD+20, PLAC22, PPGB20]. **reaction-diffusion** [KB22]. **reactions** [SSS21]. **reactivation** [BPP+20, NVS20]. **Reactivity** [LW20]. **real** [HCC+21, KK22a, Wal22]. **real-time** [KK22a]. **realizations** [LML24]. **really** [TT20]. **rearrangement** [GPDW20]. **reasoning** [PAM24]. **rebound** [GDQR23, HHI24]. **receptor** [VTDM21, WM21a, WM21b]. **receptors** [CCVB+21]. **recessive** [BB21b]. **recipient** [HMS21]. **reciprocity** [LMB22, PAM24]. **reckless** [BG21]. **recognition** [Sco24, ZWW22]. **recombination** [RWHK21]. **recommended** [GSR23]. **reconcile** [dGSNK22]. **reconstructed** [GMV+20, MGVS21]. **Reconstructing** [AKUN20]. **recorded** [HRD+24]. **recovered** [JKH+23]. **recovery** [BAU+22, PBB20, SKNvRL23]. **recurrence** [AGTJ23]. **recycling** [TMTK22]. **red** [HDM20]. **reduce** [BD21]. **reduced** [JS23, RH23]. **Reducing** [CK20b, SF24, SCD+23]. **reduction** [ASK20, RRAO21]. **reductionism** [Bar21]. **Redundancy** [MEA21]. **Redundancy-selection** [MEA21]. **reef** [JCLS+11, JCLS+21]. **reencounter** [SKNvRL22]. **reflection** [GFH20, SKS21]. **reflux** [Avv21]. **refuges** [BB21b]. **refusal** [PB21]. **regeneration** [ABB+22, CMLM23, HFD23, Lei20, MFGACST23]. **regenerative** [DBW22]. **region** [ACF22]. **regions** [HMLO+23]. **registry** [HRD+24]. **regular** [BK20b]. **regularization** [LLZ+22]. **regularly** [SMM+23]. **regulated** [YST21]. **regulates** [NTTI22]. **regulating** [QYY+23]. **regulation** [AG22, CHMM23, FHR22, FHTK20, GTE20, GK20, KLLL22, KTU22, LMA21, MB22, PGML20, PEMLD22, PL20, SOKZ22, SJNRS20, SSKP24, WvdDL+21, XZW+24, YBF23, YST21, YTH+21]. **regulator** [LMA21]. **regulators** [FSKG21]. **Regulatory** [LB20, CPMF+22, DBS23, FLRR23, GT22, HL20, HBG21, HLW24, KV23, RW20, Tha24, WW22]. **reinfection** [CLJ+23, Kee23, NVS20]. **relapses** [FRMK22]. **relapsing** [FRMK22]. **relapsing-remitting** [FRMK22]. **related**

[MGCH21, SBW+22b]. **relating** [HL24]. **relations** [Wal20]. **Relationship** [TAP+23, JS23, SW22, SYH20]. **relationships** [BAJ+21, GSC23]. **relative** [CR20, TBNS23]. **relaxed** [RK22b]. **release** [GSC23]. **releases** [BB21b]. **Reliable** [SBB+22]. **remating** [IY22]. **Remembrance** [Ano21-49]. **remitting** [FRMK22]. **remodeling** [FZE22, PJB21, SRB+24]. **removal** [LCYD23, WHH22]. **renin** [TDRC23]. **renin-angiotensin** [TDRC23]. **reopening** [ASS+23]. **reorientation** [CLD21, YZB20]. **repair** [AZYF+23]. **repeat** [IB21, WUH23]. **repeated** [CWW22, MMI21, MMI22]. **repeats** [YY21]. **reperfusion** [NMC+21]. **replace** [LMLP20]. **replication** [BJB+20, LZZ20, PZJPZ23, TH21]. **Replicator** [AR21, LFT+23, MC20b, SH21]. **repopulation** [LR21]. **Report** [CKI20]. **reported** [Kee23, LMW21]. **reports** [YTY+20]. **representation** [GtHH20, Kan21, LDaH22, NR20]. **Representing** [CKM+22]. **repressed** [YST21]. **repressive** [ADP21]. **reproduce** [FBSD22, SPLS+23]. **reproduction** [BB21a, DF22, HSAH20, XDT+20]. **reproductive** [AM22, KRSSH21, MSM23, PLR24, Sme21]. **research** [DAB+23]. **reservoir** [HHI24]. **reservoirs** [HVC+21]. **residence** [Xie23]. **residency** [MGFS+20]. **residents** [AKUN20]. **resistance** [Ala20, Avv21, BCGG21, BV24, BB21b, DMR21, DYS+21, EBK21, FB24, GHF22, GDLF20, HDM20, HII22, HHI24, HPWvdB20, LKP+20, Ngo22, Ros21, Sch17, Sch23, SNK20, SP20]. **resistant** [CPM21, SHH20, VVD24]. **resolution** [KPH+24]. **Resolving** [CT22]. **Resource** [KHST21, FHTK20, MB21, MC20a, OKT+21, RK22a, SdAM24, SLCC22, VVD24, Wor20, EHA+21]. **resource-based** [VVD24]. **resources** [BP23, FBA21]. **respiratory** [CWF23, GJCLMQC20]. **Response** [TKRA20, WPEP22, AVSTS23, ACD20, ACF22, BPP+20, Bau20, BT22, BLP20, CAARG21, CBZK21, CLLL20, CKM+20, DAB+23, DCP+22, FG23, FBA21, FK21, FHTK20, KHW+22, KSSM20, LPSMCP23, LLS+22, LFZ+24, LT22, MEBNZ24, OKF+21, QPL21, SBC+20, SMEG22, SVHM+21, SH21, Ter23, TKR+21, Wal20, XYK+20, XCFH23, ZZGG21]. **responses** [ACF22, EB21, FGES24, HDM20, LRAP22, SPLS+23]. **responsible** [SSM+22]. **resting** [AG22]. **restrict** [BJB+20]. **restriction** [JMD20]. **result** [LPD23]. **resulting** [ZXLH23]. **results** [GDQR23]. **reticulum** [PO20]. **retina** [ABK24, BCC+21, FSNS20, YBF23]. **retinal** [SS22]. **retinitis** [Rob22]. **return** [LMA21]. **reveal** [DB22a, FLR+21, LWM23]. **reveals** [ASF22, AABG20, BLRV21, CLD21, GGSTS21, Goy21]. **reversal** [Leh21]. **review** [GLLP23]. **revisit** [JS23]. **revisited** [Bol22, CK20b]. **Revisiting** [Mar24, MY20, SY24]. **reward** [JCC20]. **rhinoceros** [CGY+23, CGY+23]. **rho** [KJM20]. **rhythm** [KMI23]. **rhythms** [GK20, ZG21]. **ribosomal** [NCL20]. **riboswitches** [PRFSHV20]. **ribozyme** [RBD+20]. **rice** [LYYN20]. **rich** [RBD+20, TMTK22]. **richness** [FVC20, PS22a]. **Rico** [VMRSL23]. **RIG** [SBC+20]. **RIG-I** [SBC+20]. **ring** [YRMWT20]. **Rinzel** [KK22a]. **risk** [AGP+23, GtHH20, LWM23, MHPB23, NVS20, RLW+21, SSB20, SCD+23, ZXLH23]. **risks** [LRST22, SOGK+23]. **risky** [CPS20]. **rituximab** [BT22]. **RNA** [Akh23, Akh22, GK20, RP21b, TH21]. **RNA-based** [Akh23, Akh22].

RNAP [NCL20]. **road** [DP22]. **Robust** [BAU+22, JMD20, LH20]. **robustness** [ACG24, ADP21, DMAC21, IKYW21, WDA+23]. **rock** [BFG21, WM20]. **rods** [ABK24]. **Role** [Avv23, PCLL21, PZXC22, WPEP22, AMA20, AM22, BE22, BB21a, BFSA23, CRGGSC20, EB21, FOY21, GDd+21, GBRM21, Goy21, GDLF20, HS20, ISC23, JD21, KT20b, Leh21, LPBMA21, LWM23, LT22, LMA21, MMS+23, NWVN20, NSD22, PGP23, PR21, PP22, RZRS+22, RY22, RSPB+22, RH23, SMJ20, SCD+23, WA22, WCWL21, XSH+24, YE21]. **roll** [ECH+23]. **roll-out** [ECH+23]. **Rolling** [TH21, YZB20]. **Rolling-circle** [TH21]. **root** [CLF+22, FS22, KYI21, Kuz24a, LKP+20, NNG20]. **root-to-leaf** [LKP+20]. **rooted** [PZG20]. **roots** [WLJ+20]. **ROP** [JMD20]. **Rosenzweig** [Bar23]. **rotation** [YST21]. **routes** [SD22]. **routinely** [HRD+24]. **RSC** [LCYD23]. **RSC-based** [LCYD23]. **rubrum** [KGP+22]. **rugged** [RID23]. **Rule** [WCM+21, APL21, HZM+21, JCC20, Leh22]. **Rule-based** [WCM+21]. **Rules** [GRW+21, Leh22, ZMKF22]. **Run** [GRW+21]. **Runaway** [LPD23]. **running** [ABOR20, GRW+21]. **ruthless** [Bar21].

Saccharomyces [San21]. **sacoglossan** [YYI21]. **saddles** [WA22]. **same** [SW22]. **sample** [LSW20, TAP+23]. **samples** [SC21]. **Sampling** [SL22, DPR21]. **sanctuary** [PZJPZ23]. **sarcoplasmic** [PO20]. **SARS** [ACF22, BLRV21, BFSA23, CWF23, CLJ+23, CPEK23, CWT+23, GFV+23, GFC+22, Hil23, JMWX23, KRSSH21, Kee23, KBD+23, LRST22, PD23, PWC+23, Roy21, TAP+23, WUH23, WHRH+23, XCFH23, YY21, Yin21, dCC+23]. **SARS-CoV-** [KRSSH21, PD23, Yin21]. **SARS-CoV-2** [ACF22, BLRV21, BFSA23, CWF23, CLJ+23, CPEK23, CWT+23, GFV+23, GFC+22, Hil23, JMWX23, Kee23, KBD+23, LRST22, PWC+23, Roy21, TAP+23, WUH23, WHRH+23, XCFH23, YY21, dCC+23]. **sauropod** [KI21]. **savanna** [ES20, BGA21]. **scaffold** [MFGACST23]. **scaffolding** [KLLL22]. **scaffolds** [BMB+21]. **scalar** [AOB21]. **scale** [CCPD22, Coh20, FGES24, LX21, MZG+20, NNOBS23, dMQHRGA+22, Täu20, ZRL+21]. **scale-free** [CCPD22]. **scales** [GHS18, GHS20, HVC+21, PJB21, vBW20]. **scaling** [LHG+22]. **scarlet** [ZZ22]. **scavengers** [KM22]. **scenario** [KI20]. **scheduled** [BAU+22]. **scheme** [LMC+20]. **schistosomiasis** [VGTY21]. **Schooling** [CRDD22]. **scissors** [WM20]. **scleractinian** [WDA+23]. **sclerosis** [AHS23, FRMK22, MF21]. **scrambled** [HJKS20]. **screening** [SXL+20]. **scrutiny** [GHF22]. **Sea** [WSY21, OKT+21, YYI21]. **search** [HCC+21, IH21]. **searching** [Kan21]. **seasonal** [ML21, STB20]. **seasonality** [APR+22b]. **seasonally** [KHB+22]. **seasons** [HSAH20]. **Second** [AZdV+22, LMB22, LPD23, REK20]. **second-order** [LMB22, LPD23]. **secondary** [RY22, San21]. **secretion** [GZM+20]. **secrets** [CKNCG22]. **sectional** [YAN21]. **sediment** [JCLS+11, JCLS+21, ZSS+22]. **Seed** [PB22, KP21]. **seeing** [PZ20]. **segment** [HJKS20]. **segmental** [Avv23]. **segregation** [dKCA22]. **Selection** [AN22b, ASF22, ABvH+20, AR21, BC20, CS22, FBD23, GO21, Hon20, Jam21,

Kau23, KNK21, LS21, LL21, LFT+23, LGSR21, MEA21, MEBNZ24, ORW+20, PAV21, RRAO21, RWHK21, SC23b, SBW+22a, SBJR21, WFT23, ZF21]. **Self** [dKCA22, AMSC20, CPMF+22, ES20, HL20, NGKB21, PRP+20]. **self-inhibition** [CPMF+22]. **self-isolate** [NGKB21]. **self-organisation** [ES20, PRP+20]. **self-organised** [AMSC20]. **self-organized** [HL20]. **Self-segregation** [dKCA22]. **selfing** [Sak20, Sak22b]. **selfish** [MHPB23]. **selfishness** [MC20a]. **Semi** [BH23, LPBMA21]. **Semi-autonomous** [BH23]. **semi-physical** [LPBMA21]. **senescence** [BF20]. **senile** [Kuz24b]. **sensing** [DH22, PCR21]. **sensitive** [Wad22]. **sensitivities** [FHR22]. **sensitivity** [Ala23, APF+24, Bar23, BD22, Cor21, Cor22, DSdP22, FLR+21, GSMG22, KBD+23, RRAO21, Swe20, VGTY21, DMAC21]. **sensitivity-based** [GSMG22]. **sensitizes** [FK21]. **sensory** [TKR+21, Wad22]. **Seoul** [JKH+23]. **Separate** [HSAH20]. **Separation** [BA24, HS20, dMQHRGA+22, SVHM+21]. **sepsis** [RZRS+22]. **September** [Ano20x, Ano20l, Ano21x, Ano21l, Ano22w, Ano22k, Ano23t, Ano23i]. **sequence** [NCL20]. **sequence-dependent** [NCL20]. **sequences** [CK20a, GW21, HBG21, LDaH22]. **sequencing** [SS23]. **serial** [YAN21, ZZT+21]. **series** [LDaH22, Wad22]. **seroepidemiological** [YAN21]. **serological** [GFV+23]. **serovar** [KT20a]. **services** [MBT22, QHS23]. **sessile** [CG21]. **set** [MPTCT+20]. **Sets** [Rav21]. **setting** [AJR+20]. **settings** [MCM20]. **seven** [Nah20]. **severe** [BSV+24]. **sex** [ASSL22, GMMR22, Gar23, HPSA21, HPSA23, SW22, SL23]. **Sexes** [CK20b]. **sexual** [ZXLH23]. **sexually** [HPSA21, HPSA23]. **SGL** [HXK+20]. **SGL-SVM** [HXK+20]. **Shanghai** [ZWW22]. **shape** [CRRRP+20, LKP+20, QPL21, Ste21b, Tsu20]. **shaped** [ASMN23]. **shapes** [APR+22a, Haj20, KSSM20]. **sharing** [HPD20, MC20a, MHPB23]. **Sharp** [KMA+21, BM20]. **shear** [DBTI21]. **shedding** [AGBLGA+22]. **sheet** [YTW21, ZPP23, dJHP20]. **sheet-based** [ZPP23]. **shell** [KBS+19, KBS+20, KB22]. **shift** [DB22b, KR22]. **shock** [ZZGG21]. **shocks** [DSB+21]. **shorebird** [HH20]. **short** [PL20, SWK+20]. **short-** [PL20]. **shortening** [AW22]. **shows** [BJB+20, IH21, WDA+23]. **Shrinkage** [ZZT+21]. **sib** [GCM23]. **sideways** [Xie21, Xie22]. **Sidney** [Whi21]. **sigmoid** [SBW+22a]. **Signal** [Koc20, Wal20, BSC20a, Tsu21, Wad22, YLZ+21]. **signaling** [ACD20, BEO+22, CF20, DB22a, GHB22, LPD23, LML24, MCL21, MB22, Pfe22, WCD21]. **signalling** [CSF20, CMRMC+21, CKM+20, GZGH22, HGCC22]. **signals** [LPD23, NSD22, PB21, SD22]. **significantly** [PAV21]. **silico** [BAJ+21, FSC21, WGRE21, SBSB23, TKB+20, HIA+22, BH20]. **simian** [OKF+21]. **simian/human** [OKF+21]. **similarity** [LDaH22]. **Simple** [dVRA20, BRN+22, BRBF20, DPR21, HCC+21]. **Simplified** [XCFH23, DNK+24, GCC20, HXZ+22, Sco24]. **Simulating** [MEBNZ24, YZB20, MI23]. **Simulation** [GEHL+22, BTS24, ELRG21, dGSNK22, PO20, SCHH20, ZG21]. **simulations** [AKHM23, FSC21, LZZ+23]. **Sina** [YSP+23]. **Sina-microblog**

[YSP+23]. **Singaporean** [FPX20]. **single** [DRO23, FVB20, JHFMP+21, KPH+24, SSKS18, SSKS20, TCMA21, WM21a, WM21b, YM23]. **single-cell** [KPH+24]. **single-channel** [JHFMP+21]. **sink** [MGZ+21]. **SIR** [CGW22, Whi21]. **SIRS** [EB24]. **SIS** [LMG22]. **Sisyphus** [BFG21]. **Site** [RK22b, Sch21b]. **sites** [CRDD22, GPDW20, PZJPZ23, WDT+20]. **size** [AABG20, BD21, BGM22, FMO23, GB23, GMR+24, KTU22, Kur21, KB20, MGVS21, MGCH21, NBBR23, RH23, TAP+23, XDZ+21, ZYLW21]. **size-related** [MGCH21]. **size-spectrum** [XDZ+21]. **skeletal** [AG22, GHS18, GHS20, PO20, SL21]. **slave** [GFN23]. **sleep** [BBH+20, CBKS21, DB22b, FNGJ21, GEHL+22, PBB20]. **sliding** [BAU+22]. **slow** [PZJPZ23, Sch21b, WA22]. **Slowly** [SHY21]. **slugs** [YYI21]. **small** [Avv23, BJR+22, BE22, Xie24]. **smegmatis** [AML+22]. **smooth** [Coh20, IHO+20, PCLL21, XSH+24]. **snapshot** [LGT21]. **Social** [CCPD22, SW22, BD21, CS20, CS21, CC22, CA21, DB22b, GGSTS21, GCA+20, IH23, JAB22, KT20b, OU22, PB21, SH21, TBNS23, WLW19, WLW20, Wil23, YSP+23]. **social-ecological** [JAB22, SH21]. **social-epidemiological** [PB21]. **socially** [TATT21]. **societies** [Hon20]. **socio** [DBD23]. **socio-mutualistic** [DBD23]. **sodium** [DCL23]. **soft** [BC21, Tsu20]. **soil** [HVTA20, MDF21, NNG20]. **soil-phosphorus** [MDF21]. **soil-transmitted** [HVTA20]. **solid** [CBZK21, HIA+22, dMQHRGA+22]. **solute** [JJR20]. **solution** [SD20]. **solutions** [DMAC21, PLM24]. **soma** [TG22]. **Somatic** [BC20, HRD+24, TS23]. **song** [MPH+22]. **source** [CRRRP+20, LMC+20, SXJ20]. **South** [LMW21]. **space** [AABG20, CCSF21, SKNvRL23]. **spaces** [IS20, LSW20, YTW21]. **spacing** [ABC+21, HZS+21]. **sparse** [HXK+20]. **Spatial** [ATP22, ES20, FHTK20, HVC+21, HI21, LNT23, XDZ+21, CS22, EP20, GCA+20, ILGI20, PLAC22, PZ20, PJB21, RH23, SMJ20, SSBG20, WMO23, ZLYL20, ZWT24, vBW20]. **spatial-temporal** [ZWT24]. **Spatially** [ABK24, BYHH20, FSKG20, LZZ20, RB22, BB21a, D'A20a, D'A20b, ISC23, KMA+21, SD22]. **Spatially-dependent** [ABK24]. **Spatially-extended** [FSKG20, RB22]. **Spatio** [CBK23, WDH+20, BE22, MD22, POW23, Tsu20, WDA+23]. **spatio-stochastic** [MD22]. **Spatio-temporal** [CBK23, WDH+20, BE22, POW23, Tsu20, WDA+23]. **Spatiotemporal** [ZWW22, Pfe22, SMEG22, SP20]. **spawners** [BYHH20]. **specialization** [AM22, TG22, Whi20]. **species** [BP20, BA24, DP22, ES20, FVC20, MMG21, PS22a, PMD21, PZ20, PB22, RT24b, RP21b, SdAM24, Sme21, UV23, YM23, ZF21, ZX22, RH23]. **specific** [CWT+23, DCL23, DO21, DLN20, GT20, KPH+24]. **spectrum** [WM21a, XDZ+21]. **speed** [GRW+21, KPP20, XML22]. **speeds** [ABOR20]. **Spike** [YLZ+21, CWT+23]. **spiking** [BRN+22, LL20, PR21]. **spinal** [LSZ21]. **spiral** [OY21]. **spite** [BS22b, Kur23]. **Split** [ACMT24]. **splitting** [GHA+20, PLM24]. **spontaneous** [WH21]. **sporogony** [TEWN21]. **spots** [Tsu20]. **spread** [AHW21, BGB+21, BGC+20, HPSA21, HPSA23, HFD23, ILGI20, MD22,

MN23, PGP23, RLW+21, SRDC21, SHH20, WWR+24, YTY+20]. **Spreading** [SS22, XML22, CGK23, CRGGSC20, FSKG20, GCA+20, LWXM20, RB22, TT20, TATT21]. **sprouting** [NNOBS23]. **Square** [FS22]. **stability** [ASMN23, Don23, GSMG22, KRSG24, LMB22, LFT+23]. **stabilizes** [Sin21]. **stabilizing** [Bau20, BYHH20]. **stabilizing/destabilizing** [BYHH20]. **stable** [GK21, MIP+21, MC20b]. **staff** [WUH23]. **stage** [EBK21, Han23, LWM23, PPS+21, Sak20, SGJ+24, SJNRS20]. **stage-dependent** [LWM23]. **stage-structured** [EBK21, PPS+21]. **stages** [MPA23, RG21, VGC22]. **stance** [GRW+21]. **Staphylococcus** [BJB+20, SHH20]. **state** [AR21, CG21, DCL23, ESW24, HTD22, KPH+24, WSW21]. **state-dependent** [WSW21]. **state-specific** [DCL23]. **states** [ACD20, AABG20, CKM+20, KPH+24, SOKZ22, ZL20, GFV+23, KRSSH21, WSC+22]. **Stationary** [Sch18, Sch21a, PLM24]. **Statistical** [GFL23, KH20, WLJ+20, CK20a, SSKS18, SSKS20, TH20]. **statistics** [MZLJ20]. **status** [LS21]. **Staying** [VB21]. **steady** [ESW24, HTD22, MDF21, SOKZ22, SVHM+21]. **steady-flow** [SVHM+21]. **stealing** [SVHM+21]. **stem** [ABB+22, BC20, EWK20, FBC23, LSZ21, Lei20, PASO21, SK21, WvdDL+21, XZW+24, YWQX23]. **stem-cell** [LSZ21]. **stems** [HH21]. **stent** [LFY+24]. **step** [OY21]. **Sterile** [IIHH21]. **stevioside** [BSS+20]. **stickiness** [HMS21]. **stiffness** [Haj20]. **stimulation** [GEHL+22, YZSS20]. **stimuli** [TKR+21]. **stimulus** [CKM+22, DBTI21, YFZ+20]. **Stochastic** [CK20a, GTE20, KGP+22, RKP20, ZG21, BRBF20, DCS20, FLRR23, HII22, HCR20, KHAK21, LS21, LFT+23, MH22a, MD22, MCMdAM24, MPC+24, NKE23, SSB20, SBB+22, WSW21, WZP+23, WHH22]. **Stochasticity** [JAB22, Bar23, PS22a]. **Stochasticity-induced** [JAB22]. **Stoichiometric** [WW24, GHA+20, SMJ20]. **storage** [PS22a]. **strain** [CLJ+23, DBTI21, GSW+23, LMG22, MEPS22, MCM20, TGC22]. **strains** [TWT23]. **strand** [AZYF+23, TH21]. **strand-displacement** [TH21]. **Strategic** [Whi21]. **strategies** [CWW22, CS20, CS21, GMMR22, GW20, GQG23, HPWvdB20, HCC+21, IHG21, KT21, KIM+22, MSLW23, MMI21, MC20a, Mit20, MMI22, RT24b, RWHK21, STCSC+21, TNHV21, TNW21, WSW21, ZBT22]. **strategy** [AHW21, BP23, BK20b, BPM+22, DBD23, ECH+23, HMLO+23, KPP20, LL21, MSL23, SKS21, ZZB+21]. **strength** [ASMN23, MGZ+21, STB20]. **stress** [AML+22, HH21, SLCC22, ZL20]. **stress-gradient** [SLCC22]. **stress/uniform** [ZL20]. **stresses** [MIP+21]. **stressors** [BvdG20]. **stretch** [GLLP23, ZL20]. **stroke** [WP21]. **strong** [Bar23, MIP+21]. **Structural** [CWT+23, GHA+20, CK20a, IKYW21, PB21]. **structural-statistical** [CK20a]. **Structure** [BAJ+21, Van20, BSS+20, BK21, DBD23, EPF20, GHS18, GHS20, RBG+23, San21, SY24, WW22, WSY21, Wor20, ZF21, ZYLW21]. **Structure-function** [BAJ+21]. **structured**

[AABG20, APR+22b, BB21a, BV24, CBH+22, CBH+23, DDDMT22, EBK21, FPGC21, FBSD22, FBD23, HK21, HTD22, LL20, LDL+24, LRST22, MCMdAM24, MEA21, ORW+20, PPS+21, PABS23, SSBG20, SMM+23]. **structures** [BAJ+21, FOY21, NKE23, PS22b, RK22a, RBD+20]. **studies** [BEO+22, GW20, PGC+22]. **Study** [CWL20, AGP+23, Avv23, APR+22b, BBK23, BTS24, CWT+23, EP20, FNGJ21, GMMR22, GJDS20, GSR23, GK20, GBHNHVL23, HS20, KBD+23, LLS+22, LX21, LRST22, MC20b, NMC+21, NKE23, PCLL21, PZ20, PBB20, PO20, RBG+23, Sch17, Sch23, SRDC21, SXL+20, SSX+22, WWR+24, WDH+20, WSC+22, XZZ+23, YSP+23, ZZGG21, ZQHN24, ZBT22]. **Studying** [ILGI20, KV23, OKT+21]. **sub** [SR24, SHY21]. **sub-exponential** [SR24]. **sub-harmonic** [SHY21]. **subclonal** [YJZ+24]. **subcutaneous** [HBWLLPA21]. **subfield** [MP22]. **subgenomes** [PS22b]. **subject** [DSB+21]. **subjective** [RSPB+22]. **subordinated** [LMS21]. **subpopulation** [HPK+20]. **subsidizing** [TT20]. **subsidy** [TATT21]. **Subsistence** [GCM23]. **subspecies** [BHW+20]. **subtree** [CKTW24]. **success** [MSM23, RP21a]. **successful** [AS21]. **succession** [PLR24]. **suction** [NNG20]. **suggests** [ELRG21, LSZ21, SAK21]. **SUMOylation** [ZZGG21]. **sunfish** [Ios21]. **superinfection** [GW20, Hen20]. **superspreading** [BFSA23]. **supplementary** [SSX+22]. **supply** [CLLL20, RK22a]. **support** [DAB+23, HXK+20, YBF23]. **suppress** [IIHH21, TT20, TATT21]. **Suppression** [Tsu20, MHI23]. **surae** [CDC20]. **surface** [NSD22, TCMA21, YSK23]. **surgical** [LMLP20]. **surrounding** [FBSD22]. **surveillance** [vdBMB+23]. **surveys** [GFV+23]. **survival** [RT24b, SKNvRL23, ZX22]. **survive** [SKNvRL22]. **Survivor** [KL21a]. **Susceptibility** [GJCLMQC20, GFC+22, RMG+21]. **susceptible** [GGSTS21, JKH+23, LK20]. **susceptible-exposed-infectious-recovered** [JKH+23]. **susceptible-infected-susceptible** [LK20]. **sustainability** [FBA21]. **SVM** [HXK+20]. **Sweden** [KPA+21]. **sweeps** [Kau23]. **swimming** [CG21, YTW21, ZPP23]. **swine** [ZRL+21]. **switch** [FRMK22, GZM+20, SBSB23]. **switches** [DB22a]. **Switching** [IHO+20, ASMN23, GDLF20, GFL23, MSLW23, PCLL21]. **symbiont** [KRSG24, VB21]. **symbionts** [BRBF20, VB21]. **symbiosis** [MC22]. **Symbiotic** [FFAV21]. **symmetric** [KL21b, LSZ21, YWQX23]. **Symmetry** [RP21b, WH21]. **symptom** [CR20]. **synapse** [KR22]. **synaptic** [KKS23, SMM+23]. **synchronization** [AR20, AGTJ23, BACS24, GFN23, SMM+23]. **synchrony** [QPL21, YdKdJ+20]. **syncytia** [JD21]. **syndrome** [BCS+22]. **synergistic** [DMAC21, HS24, MGZ+21, RNP+21, SCD+23]. **synergistically** [IIHH21]. **synergy** [MAHMH20, PD23]. **synthetic** [RBG+23]. **system** [BSC20a, BT22, FLR23, FGA+24, FSKG21, GF23, JSCW21, KMI23, KYI21, MHI23, MAHMH20, PASO21, RRZDF20, SdAM24, ZZB+21]. **Systematic** [HGF23, HLW24, LL20]. **Systems** [KTP+20, ACMT24, BP20, BS21, BEO+22, CBBD22, CHSB20, GCM23,

GCC20, JAB22, KRSG24, LSW20, LTS+21, MMS+23, OKT+21, RG21, Sal24, SK23, TDRC23, TH20, Wal20, WBS20].

T [CF20, CWL20, HPK+20, KV23, KKL20, PGC+22, RY22]. **T-cell** [HPK+20]. **table** [RP21b]. **Tag** [BS22b]. **Tag-based** [BS22b]. **tagging** [KKS23]. **Tale** [CCVB+21]. **tandem** [GGG21]. **target** [DMAC21, SPLS+23]. **target-cell** [SPLS+23]. **targeted** [IIHH21]. **targeting** [ZLYL20]. **targets** [HGCC22, TKB+20]. **tasks** [BTS24]. **taste** [BSS+20]. **Taylor** [YTW21]. **TBD** [TNW21]. **TCP** [LR21]. **teaching** [VA22]. **technique** [IIHH21, MSL23]. **teleost** [LSZ21]. **telescoping** [KPP20]. **Temperate** [CWR21]. **Temperature** [ADP21, BGC+20, EBK21, FGES24]. **temperature-driven** [BGC+20]. **Temporal** [AR20, HII22, MB22, SWK+20, BCC+21, BE22, CBK23, ILGI20, PS22a, POW23, PR21, Tsu20, WDH+20, WDA+23, ZWT24]. **tenase** [SSKP24]. **tension** [LKP+20]. **term** [BBH+20, FGC24, HD24, MPH+22, MWO21, PL20, Rav21, SXL+20]. **termite** [FOY21]. **terrain** [BFG21]. **terrestrial** [PCR23]. **Territorial** [ABC+21]. **test** [MZLJ20]. **Testing** [WDA+23, BP23, CD22, CS21, CPEK23, Täu20, WUH23]. **testosterone** [Jam21]. **tethering** [KB20]. **TFT** [KR22]. **TGF** [GHB22]. **TGF-** [GHB22]. **thalamocortical** [FNGJ21, PZXC22, YZSS20]. **their** [ABBP21, CKNCG22, CN21, Haj20, KK22b, MWO21, SKNvRL22, Xie23]. **Theor** [Akh23, CBH+23, Cor22, HPSA23, JCLS+21, Sch21a, Sch23, SSKS20, Xie22]. **Theoret** [PP24]. **theoretic** [AR21, CS20]. **Theoretical** [Avv21, CPMF+22, D'A20a, Don23, GB23, GK20, GHS20, NV22, PCR23, WLW20, CCA20, CGP+20, CTL+22, CDdV23, FFR23, GCX+20, MCL20, dMQHRGA+22, Sal24, Tay23, ZZB+21]. **Theory** [KJV20, MPTCT+20, RK22b, Akh22, Akh23, AA22, DMPIG24, KI21, Kan21, KYI21, KP21, dGSNK22, LYYN20, Leh22, POS21, PLM24, WBKR22, ZYLW21]. **therapeutic** [TKB+20]. **therapeutics** [PRJ+20]. **therapies** [SLML20, SBM+20]. **therapy** [Ala23, ABB+22, BCGG21, BH20, CGGG20, DMAC21, FBC23, GSR23, HD24, LR21, PHL+23, PGC+22, SC23a, SF23, SAG21]. **thereby** [Wad22]. **Thermal** [FGES24]. **thermodynamics** [Tsu21]. **thermoplasty** [DLN20]. **thermoregulation** [BBH+20, ZM20]. **Thermotogales** [KI20]. **thick** [SC21]. **thickness** [SCD+23]. **thin** [BMB+21]. **thinning** [JME24]. **threat** [KHB+22]. **Three** [ABBP21, Di 20, Ros22, ADP21, BSC20a, DAB+23, MI23, TWT23, XZW+24, YST21]. **Three-dimensional** [ABBP21, MI23]. **three-gene** [YST21]. **three-node** [ADP21]. **threshold** [CS22, GFC+22, KR22]. **thresholds** [BNPL20]. **thrombus** [LFY+24]. **throughout** [OSAR21]. **throughput** [OTI+20]. **thyroid** [YTH+21]. **tick** [CPHL+20, TNW21]. **tick-borne** [TNW21]. **tick-mouse** [CPHL+20]. **ticket** [TATT21]. **tight** [Xie20]. **time** [AN22a, BKP23, BJG21, BD21, BRBF20,

BK20b, CK20b, EWS23, HBG21, KG23, KK22a, KC22, Kuz24a, LR21, LDaH22, LWM23, LG23, PRHS20, TH21, YST21, GC20]. **time-delayed** [YST21]. **time-dependent** [LR21]. **time-lapse** [LG23]. **time-varying** [LWM23]. **timeline** [IJROTE22]. **times** [FVC20, Sch18, Sch21a, Xie23]. **timescale** [ZSL23]. **timescales** [BA24]. **timing** [AOB21, CR20, GGSTS21]. **tip** [dJHP20]. **tipping** [DBD23]. **tissue** [BC21, BMB+21, Car23, CGGG20, DCL23, GO21, HBWLLPA21, KF20, LGBG23, MI23, SLTD22, TCH21, WZKM21]. **tissues** [CBK23, Coh20, HCSAB21, WvdDL+21, WMO23]. **TMPRSS2** [PD23]. **toe** [ASSL22]. **tolerance** [JKSD23]. **tongue** [HZS+21]. **top** [BD22, SMJ20]. **top-down** [SMJ20]. **topics** [YSP+23]. **topographically** [MPC+24]. **topography** [TCMA21]. **Topological** [Ish23, SD22, BP21, Ste21a]. **topologies** [EWS23]. **topology** [dAPdBMTS20, RH23, WLJ+20]. **tornadoes** [BSJ20]. **total** [ESW24, FGC24, LKP+20, PZJPZ23, RH23]. **toxicity** [MSB24]. **Trabecular** [SCD+23]. **trachomatis** [AMA20]. **Tracing** [OSAR21, AHEB+22, BGM22]. **tracing-induced** [AHEB+22]. **tract** [ATP22, CWF23]. **Trade** [APR+22a, BGB+21, Cai22, HL21, MEA21, SUA+20]. **Trade-off** [APR+22a, Cai22, MEA21]. **trade-offs** [SUA+20]. **trading** [KHW+22]. **traffic** [Sch21b]. **tragedy** [KHST21]. **trait** [CN21, DH22, IS20]. **traits** [ASF22, APL21, BTS24, CN20, CN21, LMG22, LT22, MWO21, vBW20]. **Transcription** [ACD20, NCL20]. **Transcription-based** [ACD20]. **transcriptional** [LMA21, PRFSHV20]. **Transduction** [Koc20, PTK+24, Tsu21, Wal20]. **transfer** [CBBD22, DMR21, NM23, NR20, YSP+23]. **transform** [DH22]. **transformation** [WP21, BRS24]. **transgenic** [BB21b]. **Transient** [KM20, BNPL20, SOKZ22]. **transit** [KG23]. **Transition** [SLML20, CG21, GHB22, HLW24, HSL24]. **Transitions** [YFZ+20, FLRR23, NO24, Pfe22]. **translation** [BJG21, San21]. **transmissibility** [YAN21]. **Transmission** [AGP+21, ZXLH23, APF+24, CPHL+20, CRG+23, GSW+23, GFV+23, HFD23, KRSG24, KP21, LX21, LZZ+23, LWM23, SSX+22, SY24, TWT23, WUH23, YLZ+21, ZZT+21, ZWC+22]. **transmitted** [HPSA21, HPSA23, HVTA20]. **Transplantation** [CMLM23, WZKM21]. **transport** [AG22, ASP23, Avv23, COB23, EHP+21, GCC20, HBWLLPA21, JJR20, KBS+19, KBS+20, KB22, KK22b, MI20, PEMLD22, RKP20, YSK23]. **transported** [BFG21]. **transporting** [KK22b]. **transposable** [MDG24]. **transverse** [HH21]. **trap** [ABBP21, MGCH21]. **travel** [KC24]. **treated** [Ngo22, ORT24, PZJPZ23]. **Treatment** [XZZ+23, BBDB22, CBK23, DTS21, DCS20, FB23, FB24, FRMK22, GCNZ+21, HIA+22, HAP22, HS24, Hen20, HCR20, LPSMCP23, MCL21, MF22, NMC+21, PZXC22, RNP+21, SC23a, YTH+21]. **treatments** [SLTD22]. **tree** [GMV+20, MGVS21, NM23, TS23, ZYLW21]. **trees** [BBR+21, CKTW24, Ish23, PS22b, SSKS18, SSKS20, SSR21, Tay23,

WWR+24]. **trials** [ILGI20, TAP+23]. **triceps** [CDC20]. **trilobite** [ELRG21]. **triple** [KT20b]. **triple-dilemma** [KT20b]. **triplets** [PZG20]. **tristeza** [ILGI20]. **tritrophic** [ACP20, BACS24]. **tRNA** [RBD+20]. **tRNA-like** [RBD+20]. **trophic** [CN20, QPL21, Rob22, RH23]. **tropical** [CRDD22]. **True** [KPR20]. **trust** [JCC20]. **trust-based** [JCC20]. **TSTDP** [KR22]. **tuberculosis** [CZN+21, FPGC21, NVS20, PBD+20, AKUN20, JLK22]. **Tumor** [HAP22, SRB+24, AABG20, BT22, CLSB23, FBSD22, FSK21, FGA+24, GDd+21, GF23, HS24, HXK+20, JS23, LPSMCP23, MPA23, MS20, MEBNZ24, PTZ21, SLTD22]. **tumor-immune** [BT22, FGA+24]. **Tumorigenesis** [CHMM23, AABG20]. **tumors** [FBC23, SLTD22, WvdDL+21]. **Tumour** [PBP23, CBK23, HIA+22, LLS+22, OGD+20, dMQHRGA+22]. **tumour-immune** [OGD+20]. **tumoural** [FB23, FB24]. **tumours** [ASP23, CBZK21, MDCK23]. **tuna** [CRDD22]. **tunable** [LMLP20]. **tuned** [LSW20]. **tuning** [TH20]. **turbulent** [HCC+21]. **Turing** [HL20, KH20, LTS+21]. **turtle** [OKT+21, WSY21]. **twin** [HIA+22]. **twist** [CLD21]. **twisting** [CLD21]. **Two** [BK20b, KNK21, OY21, AG22, BKZ+22, CCVB+21, Di 20, EP20, GMMR22, HYM+22, KL21b, MPTCT+20, Mit20, Sak22b, SdAM24, SGJ+24, TATT21, UV23, ZZB+21, AZdV+22, Sak20]. **two-allele** [Sak22b]. **two-body** [HYM+22]. **Two-compartment** [AZdV+22]. **two-dimensional** [EP20]. **two-layer** [AG22]. **two-locus** [Sak22b]. **two-patch** [ZZB+21]. **two-player** [KL21b]. **two-sex** [GMMR22]. **two-species** [SdAM24]. **two-stage** [SGJ+24, Sak20]. **Two-step** [OY21]. **Two-strategy** [BK20b]. **type** [HSL24, IB21, KSSM20, MPH+22, SS23, SF24, Swe20, Wad22, XYK+20, DNK+24]. **type-1** [Wad22]. **type-I** [XYK+20]. **types** [BKZ+22, CLSB23, IYY22].

U [Wal20]. **U/U** [Wal20]. **U87** [HBK+20]. **U87-glioblastoma** [HBK+20]. **UK** [CPEK23, DAB+23]. **ultrasensitive** [FZE22]. **Ultrasensitivity** [Koc20]. **uncertainties** [Ala23]. **Uncertainty** [WHRH+23, YRMWT20, CLG20, DLN20, RT24a]. **uncoating** [NTTI22]. **unconditional** [Qui20]. **uncoupling** [HD24]. **Uncovering** [PAM22, AGP+21, SY24]. **uncovers** [JKSD23]. **underlie** [FVB20]. **underlying** [BW24]. **Understanding** [BEBA20, DDDMT22, GDLF20, HGCC22, LGSR21, SBW+22b, Lei20, MBF21, Pie21, WvdDL+21]. **undesired** [SSS21]. **unexpected** [GGSTS21]. **uniaxial** [GTGB21, LGBG23]. **unidirectional** [KK22b]. **unified** [YTH+21]. **uniform** [CKTW24, GTGB21, MTLZ22, ZL20, MIP+21]. **unifying** [BSV+24, LB20]. **unimolecular** [CP23]. **unique** [SS23]. **uniquely** [CP23]. **United** [GFV+23, KRSSH21, LMW21, WSC+22]. **universal** [Akh22, Akh23]. **universe** [KJV20]. **unknown** [SSS21]. **unlabelled** [PS22b]. **unlike** [KK22b]. **unnatural** [MGCH21]. **Unraveling** [SK21]. **unreasonable** [ESW24]. **unreported** [LMW21]. **unrooted** [CKTW24]. **until** [HBG21]. **Unveiling** [MMS+23]. **uptake** [MDF21, PWC+23, SAK21, SGJ+24]. **Urey** [KJV20].

usage [PD23]. **use** [CLSB23, ORT24, TBNS23]. **used** [SSR21]. **Using** [Cor21, Cor22, HRD+24, Pie21, TH20, AKHM23, AGTJ23, BAU+22, BEBA20, CWL20, CN21, DTLS24, GJDS20, GW20, GEHL+22, HCR20, IHG21, KT20a, LPSMCP23, LG23, LZW23, MSL23, MS20, NDB20, RW20, SS23, SBM+20, SBB+22, WBKR22, WDA+23, YAN21]. **Usutu** [HBGV+21]. **utilization** [BP23]. **utilizing** [Ish23]. **Utkin** [BAU+22].

Vacancies [PHN+23]. **vaccinated** [ASS+23, GG23]. **Vaccination** [WLW19, WLW20, Bai21, BPP+20, CCF+20, CPHL+20, CLLL20, CGP+20, CS20, DTS21, FHM20, GW20, KT20a, KRSSH21, KPA+21, LZZ+23, SFK+23, TT20, dCC+23, ASS+23, GMMR22]. **Vaccine** [APR+22b, JMWX23, AMA20, BDdG22, CLLL20, ECH+23, KIM+22, NAR+20, PB21, TNHV21]. **vaccine-modified** [NAR+20]. **vaccines** [FPGC21, KKL20, XZZ+23]. **validation** [AML+22, MPTCT+20]. **Valsalva** [RRAO21]. **value** [GGG21, LYYN20, Sme21, vdBMB+23]. **variability** [FHR22, KL21b, PWC+23]. **Variance** [ZYLW21]. **variant** [BC20, CWT+23, PD23]. **variant-specific** [CWT+23]. **variants** [BRS24, CLJ+23, CWT+23, JMWX23, MZLJ20, ZWC+22]. **variation** [CBZK21, GT22, GFC+22, Sak22a, vBW20]. **various** [HZS+21, PZ20, ZBT22]. **varying** [KHB+22, KPP20, LWM23, SD22]. **vascular** [BAJ+21, IHO+20, MPA23, PCLL21]. **vascularised** [ASP23]. **vasculature** [SLTD22]. **vasculogenesis** [VGC22]. **vasomotion** [FFR22]. **vector** [AY22, GW20, HXK+20, SUA+20]. **Vectors** [GT20]. **vegetation** [KG22, ZSS+22]. **venation** [Ros22]. **ventilator** [MHV+21]. **ventilator-induced** [MHV+21]. **versatile** [Pfe22]. **version** [SKNvRL23]. **versus** [ABC+21, Cor21, Cor22, GSMG22, IYY22, XKV20]. **vertebrate** [BCC+21, GZGH22, Ish23]. **vertex** [JA23]. **vertical** [BEBA20]. **very** [PZJPZ23]. **vessel** [GDd+21, Ter23]. **via** [BH23, CSF20, COB23, DBD23, GFH20, GF23, HXK+20, KK23, MCMdAM24, NNOBS23, PAM22, Täu20, WRB22, XSH+24, YBF23, dJHP20]. **vicinity** [KP21]. **vigilance** [MH22b]. **Viral** [BGB+21, HHI24, BLRV21, BRS24, CAARG21, CHSB20, CWT+23, GDQR23, HFD23, JD21, PWC+23, SD20, SdB23, WMO23]. **virotherapy** [JFCK20]. **virtual** [JLK22, SLTD22]. **Virulence** [FG21, IHO21, BB21a]. **virus** [BNP+21, BPP+20, BGC+20, CHSB20, CWR21, HII22, HBGV+21, ILGI20, IHO21, LMC21, OKF+21, SC23a, VMRSL23, ZRL+21, WDH+20]. **viruses** [SSM+22, WSC+22]. **viscoelasticity** [BC21]. **viscosities** [HZS+21]. **viscous** [dJHP20]. **visual** [FSNS20, LRAP22, Ost23, RG21]. **vitro** [AMSC20, NDB20, FSC21, AML+22]. **vivax** [MSK+22]. **vivo** [LZZ20, MFGACST23]. **VLDLTG** [Swe20]. **volatile** [KL21a]. **voltage** [KR22, KP21, WM21a, WM21b]. **voltage-depolarization** [WM21b]. **Volterra** [CLSB23, MMG21]. **volume** [DN22, MEBNZ24]. **volumes** [LHG+22]. **voluntary** [KT20a, ORT24]. **volunteer** [vdBMB+23]. **Voronoi** [JFCK20]. **vortex** [ZPP23]. **vs** [WM21b]. **vulture** [KM22].

vulture-jackal-anthrax [KM22].

W. [Gar23]. **waiting** [HBG21]. **wake** [DB22b]. **walk** [ABBP21, BFG21]. **walking** [HXS21, KPP20]. **waning** [CCF+20, EB24, SFK+23]. **Warburg** [ZB22]. **warning** [NSD22, PB21, SD22]. **Washtenaw** [REK20]. **wasting** [XML22]. **water** [MI20]. **wave** [FBJR20, REK20]. **wave-wave** [FBJR20]. **waveforms** [YZSS20]. **Waves** [IH23, XCH+20, dLFO21]. **Weak** [CS22, LFT+23]. **web** [ASMN23, BACS24, WDHB20]. **Weber** [Wad22]. **webs** [BD22]. **weekend** [LR21]. **weight** [SF24]. **weighted** [MDCK23]. **weights** [CP23]. **were** [DAB+23]. **West** [BGC+20]. **whale** [MPH+22]. **whales** [Whi20]. **Where** [AS21, SKNvRL22, ABOR20]. **which** [SSR21, TATT21]. **white** [WNHK21]. **Who** [APF+24, GSR23]. **whole** [JHFMP+21]. **whole-cell** [JHFMP+21]. **whom** [APF+24]. **wide** [BRN+22]. **widens** [AZdV+22, MC22]. **widespread** [PB21]. **wild** [IIHH21, ON24]. **Willebrand** [KB20]. **windkessel** [SVHM+21]. **windkessel-based** [SVHM+21]. **wings** [LCMW21, MIP+21]. **winners** [PPFB24]. **WITHDRAWN** [PMD21]. **within** [AMA20, CT22, FG22, HII22, LMC21, MCMdAM24, PR21, PBD+20, PO20, SW22, ST20, TEWN21, TGC22, TKR+21, UV23, WWR+24, WH21, WMO23, XYK+20, XCFH23, dCC+23]. **within-** [FG22]. **within-host** [AMA20, LMC21, TGC22, UV23, XYK+20, XCFH23, dCC+23]. **within-mosquito** [TEWN21]. **within-pair** [CT22]. **without** [LS21, TTBL21]. **wizardry** [Leh22]. **Wnt** [CSF20, GZGH22]. **Wnt/** [CSF20]. **Wolbachia** [AY22, MSL23]. **Wolpert** [Ano21-49]. **woody** [dAPdBMTS20]. **work** [DB22b]. **workflow** [PP20, PP24]. **workforce** [STCSC+21]. **Working** [HXS21]. **Workplace** [AMR+23]. **world** [HCC+21]. **worlds** [TATT21]. **worm** [EHP+21]. **wound** [BH23, HCJT23]. **Wuhan** [YLT22].

X [SSKP24]. **XBB** [CLJ+23]. **xenograft** [HIA+22]. **XIAP** [AVSTS23]. **Xylella** [BCS+22, WWR+24]. **xylem** [WWR+24].

year [HSAH20]. **years** [New20]. **yeast** [GTGB21]. **yellow** [GW20].

zebra [MK21]. **zebrafish** [BLP20, CSP21]. **zero** [CWW22, MMI21, MMI22]. **zero-determinant** [CWW22, MMI21, MMI22]. **Zika** [VMRSL23]. **zipper** [NTTI22]. **zombie** [IH21]. **zone** [YSK23].

References

Arencibia-Albite:2022:EBT

[AA22] Francisco Arencibia-Albite. The energy balance theory is an inconsistent paradigm. *Journal of Theoretical Bi-*

ology, 550(??):Article 111240, October 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002351`.

Atsou:2020:SSS

[AABG20] Kevin Atsou, Fabienne Anjuère, Véronique M. Braud, and Thierry Goudon. A size and space structured model describing interactions of tumor cells with immune cells reveals cancer persistent equilibrium states in tumorigenesis. *Journal of Theoretical Biology*, 490(??):Article 110163, April 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300199`.

Awan:2021:EPI

[AAL+21] Muhammad Suleman Awan, Maria Aslam, Muwahida Liaquat, A. I. Bhatti, and Afrose Liaquat. Effect of pharmacodynamical interaction between nutlin-3a and aspirin in the activation of p53. *Journal of Theoretical Biology*, 522(??):??, August 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001181`.

Andreucci:2022:MMC

[ABB+22] D. Andreucci, A. M. Bersani, E. Bersani, F. J. León Trujillo, and S. Marconi. A 3D mathematical model of coupled stem cell-nutrient dynamics in myocardial regeneration therapy. *Journal of Theoretical Biology*, 537(??):Article 111023, March 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000212`.

Ahmed:2021:TDR

[ABBP21] D. A. Ahmed, S. Benhamou, M. B. Bonsall, and S. V. Petrovskii. Three-dimensional random walk models of individual animal movement and their application to trap counts modelling. *Journal of Theoretical Biology*, 524(??):??, September 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001508`.

Akemann:2021:TBB

[ABC+21] Gernot Akemann, Michael Baake, Nayden Chakarov, Oliver Krüger, Adam Mielke, Meinolf Ottensmann, and Rebecca Werdehausen. Territorial behaviour of buzzards versus random matrix spacing distributions. *Journal of Theoretical Biology*, 509(??):Article 110475, January 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303301`.

Anderson:2024:SDM

[ABK24] Daniel M. Anderson, Danielle C. Brager, and Anthony J. Kearsley. Spatially-dependent model for rods and cones in the retina. *Journal of Theoretical Biology*, 579(??):??, February 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002849`.

Andrada:2020:LLC

[ABOR20] Emanuel Andrada, Reinhard Blickhan, Naomichi Ogihara, and Christian Rode. Low leg compliance permits grounded running at speeds where the inverted pendulum model gets airborne. *Journal of Theoretical Biology*, 494(??):Article 110227, June 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300825`.

Araujo:2020:CPC

[ABvH+20] Sabrina B. L. Araujo, Marcelo Eduardo Borges, Francisco W. von Hartenthal, Leonardo R. Jorge, Thomas M. Lewinsohn, Paulo R. Guimarães, Jr., and Minus van Baalen. Coevolutionary patterns caused by prey selection. *Journal of Theoretical Biology*, 501(??):Article 110327, September 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932030182X`.

Almeida:2020:TBC

[ACD20] Sofia Almeida, Madalena Chaves, and Franck Delaunay. Transcription-based circadian mechanism controls the duration of molecular clock states in response to signaling inputs.

Journal of Theoretical Biology, 484(??):Article 110015, January 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319303856`.

Aristotelous:2022:HDC

[ACF22] Andreas C. Aristotelous, Alex Chen, and M. Gregory Forest. A hybrid discrete-continuum model of immune responses to SARS-CoV-2 infection in the lung alveolar region, with a focus on interferon induced innate response. *Journal of Theoretical Biology*, 555(??):Article 111293, December 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002843`.

Andreas:2024:QRG

[ACG24] Elizabeth Andreas, Breschine Cummins, and Tomás Gedeon. Quantifying robustness of the gap gene network. *Journal of Theoretical Biology*, 580(??):??, March 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000018`.

Abhari:2024:CDS

[ACMT24] Niloufar Abhari, Caroline Colijn, Arne Mooers, and Paul Tupper. Capturing diversity: Split systems and circular approximations for conservation. *Journal of Theoretical Biology*, 578(??):??, February 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002862`.

Asik:2020:EEF

[ACP20] Lale Asik, Ming Chen, and Angela Peace. The effects of excess food nutrient content on a tritrophic food chain model in the aquatic ecosystem. *Journal of Theoretical Biology*, 491(??):Article 110183, April 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300394`.

Avello:2021:TRA

[ADP21] Paula Avello, Seth J. Davis, and Jonathan W. Pitchford. Temperature robustness in *Arabidopsis* circadian clock models is facilitated by repressive interactions, autoregulation, and three-node feedbacks. *Journal of Theoretical Biology*, 509(??):Article 110495, January 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303507`.

Akashi:2022:DGA

[AFTF22] Motohiro Akashi, Ichiro Fujihara, Masaharu Takemura, and Mitsuru Furusawa. 2-dimensional genetic algorithm exhibited an essentiality of gene interaction for evolution. *Journal of Theoretical Biology*, 538(??):Article 111044, April 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932200042X`.

Afas:2022:TLC

[AG22] Keith Christian Afas and Daniel Goldman. A two-layer continuously distributed capillary O_2 transport model applied to blood flow regulation in resting skeletal muscle. *Journal of Theoretical Biology*, 539(??):Article 111058, April 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932200056X`.

Arbelaez-Gomez:2022:PBM

[AGBLGA+22] Daniela Arbeláez-Gómez, Santiago Benavides-López, Maria Paula Giraldo-Agudelo, Juan Pablo Guzmán-Álvarez, Carolina Ramirez-Mazo, and Lina María Gómez-Echavarría. A phenomenological-based model of the endometrial growth and shedding during the menstrual cycle. *Journal of Theoretical Biology*, 532(??):Article 110922, January 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003416`.

Adhikari:2021:TDC

[AGP+21] Khagendra Adhikari, Ramesh Gautam, Anjana Pokharel, Kedar Nath Uprety, and Naveen K. Vaidya. Transmission dy-

namics of COVID-19 in Nepal: Mathematical model uncovering effective controls. *Journal of Theoretical Biology*, 521(??): ??, July 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001028`.

Adhikari:2023:DDM

[AGP+23] Khagendra Adhikari, Ramesh Gautam, Anjana Pokharel, Kedar Nath Uprety, and Naveen K. Vaidya. Data-driven models for the risk of infection and hospitalization during a pandemic: Case study on COVID-19 in Nepal. *Journal of Theoretical Biology*, 574(??):??, October 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002199`.

Ansarinasab:2023:IPS

[AGTJ23] Sheida Ansarinasab, Farnaz Ghassemi, Zahra Tabanfar, and Sajad Jafari. Investigation of phase synchronization in functional brain networks of children with ADHD using nonlinear recurrence measure. *Journal of Theoretical Biology*, 560(??): ??, March 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003721`.

Arim:2022:CTI

[AHEB+22] Matías Arim, Daniel Herrera-Esposito, Paola Bermolen, Álvaro Cabana, María Inés Fariello, Mauricio Lima, and Hector Romero. Contact tracing-induced Allee effect in disease dynamics. *Journal of Theoretical Biology*, 542(??):Article 111109, June 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001072`.

Abdi:2023:IEB

[AHS23] Hamed Abdi, Kamran Hassani, and Shahrokh Shojaei. An investigation of the effect of brain atrophy on brain injury in multiple sclerosis. *Journal of Theoretical Biology*, 557(??):??, January 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003307`.

An:2021:NMP

[AHW21] Ran An, Jixin Hu, and Luosheng Wen. A nonlinear model predictive control model aimed at the epidemic spread with quarantine strategy. *Journal of Theoretical Biology*, 531(??):Article 110915, December 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003349`.

Atkins:2020:AFL

[AJR+20] Benjamin D. Atkins, Chris P. Jewell, Michael C. Runge, Matthew J. Ferrari, Katriona Shea, William J. M. Probert, and Michael J. Tildesley. Anticipating future learning affects current control decisions: a comparison between passive and active adaptive management in an epidemiological setting. *Journal of Theoretical Biology*, 506(??):Article 110380, December 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302356`.

Akhlaghpour:2022:RBT

[Akh22] Hessameddin Akhlaghpour. An RNA-based theory of natural universal computation. *Journal of Theoretical Biology*, 537(??):Article 110984, March 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321004045`. See erratum [Akh23].

Akhlaghpour:2023:ERB

[Akh23] Hessameddin Akhlaghpour. Erratum to "An RNA-based theory of natural universal computation" [J. Theor. Biol. **537** (2022) 110984]. *Journal of Theoretical Biology*, 566(??):??, June 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000772`. See [Akh22].

Aihara:2023:EII

[AKHM23] Ikkyu Aihara, Daichi Kominami, Yushi Hosokawa, and Masayuki Murata. Excitatory and inhibitory interactions affect the balance of chorus activity and energy efficiency in the aggregations of male frogs: numerical simulations

using a hybrid dynamical model. *Journal of Theoretical Biology*, 558(??):??, February 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003435`.

Anzai:2020:RPD

[AKUN20] Asami Anzai, Lisa Kawatsu, Kazuhiro Uchimura, and Hiroshi Nishiura. Reconstructing the population dynamics of foreign residents in Japan to estimate the prevalence of infection with *mycobacterium tuberculosis*. *Journal of Theoretical Biology*, 489(??):Article 110160, March 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300163`.

Avila:2023:LHD

[AL23] Piret Avila and Laurent Lehmann. Life history and deleterious mutation rate coevolution. *Journal of Theoretical Biology*, 573(??):??, September 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001959`.

Alamino:2020:ABL

[Ala20] R. C. Alamino. An agent-based lattice model for the emergence of anti-microbial resistance. *Journal of Theoretical Biology*, 486(??):Article 110080, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304497`.

Alamir:2023:LBS

[Ala23] Mazen Alamir. Learning-based sensitivity analysis and feedback design for drug delivery of mixed therapy of cancer in the presence of high model uncertainties. *Journal of Theoretical Biology*, 568(??):??, July 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001042`.

Araujo:2022:ISG

[AM22] Gui Araujo and Rafael Rios Moura. Individual specialization and generalization in predator-prey dynamics: the determinant role of predation efficiency and prey reproductive rates. *Journal of Theoretical Biology*, 537(??):Article 111026, March 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000248`.

Akinlotan:2020:MMR

[AMA20] Morenikeji Deborah Akinlotan, Dann G. Mallet, and Robyn P. Araujo. Mathematical modelling of the role of mucosal vaccine on the within-host dynamics of *Chlamydia trachomatis*. *Journal of Theoretical Biology*, 497 (??):Article 110291, July 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301466`.

Apiyo:2022:DMM

[AML+22] D. Apiyo, J. M. Mouton, C. Louw, S. L. Sampson, and T. M. Louw. Dynamic mathematical model development and validation of *in vitro Mycobacterium smegmatis* growth under nutrient- and pH-stress. *Journal of Theoretical Biology*, 532(??):Article 110921, January 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003404`.

Avusuglo:2023:WAD

[AMR+23] W. S. Avusuglo, Rahele Mosleh, Tedi Ramaj, Ao Li, Sileshi Sintayehu Sharbayta, Abdoul Aziz Fall, Srijana Ghimire, Fenglin Shi, Jason K. H. Lee, Edward Thommes, Thomas Shin, and Jianhong Wu. Workplace absenteeism due to COVID-19 and influenza across Canada: a mathematical model. *Journal of Theoretical Biology*, 572(??):??, September 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932300156X`.

Agosti:2020:MCC

[AMSC20] A. Agosti, S. Marchesi, G. Scita, and P. Ciarletta. Modelling cancer cell budding in-vitro as a self-organised, non-

equilibrium growth process. *Journal of Theoretical Biology*, 492(??):Article 110203, May 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300588`.

Anzai:2022:DTI

[AN22a] Asami Anzai and Hiroshi Nishiura. Doubling time of infectious diseases. *Journal of Theoretical Biology*, 554 (??):Article 111278, December 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002697`.

Arthur:2022:SPG

[AN22b] Rudy Arthur and Arwen Nicholson. Selection principles for Gaia. *Journal of Theoretical Biology*, 533(??):Article 110940, January 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003593`.

Anonymous:2020:Ab

[Ano20a] Anonymous. 21 April 2020. *Journal of Theoretical Biology*, 491(??):??, April 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2020:Ad

[Ano20b] Anonymous. 21 August 2020. *Journal of Theoretical Biology*, 499(??):??, August 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2020:Db

[Ano20c] Anonymous. 21 December 2020. *Journal of Theoretical Biology*, 507(??):??, December 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2020:Fb

[Ano20d] Anonymous. 21 February 2020. *Journal of Theoretical Biology*, 487(??):??, February 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2020:Jb

[Ano20e] Anonymous. 21 January 2020. *Journal of Theoretical Biology*, 485(??):??, January 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2020:Jf

[Ano20f] Anonymous. 21 July 2020. *Journal of Theoretical Biology*, 497(??):??, July 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2020:Jd

[Ano20g] Anonymous. 21 June 2020. *Journal of Theoretical Biology*, 495(??):??, June 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2020:Mb

[Ano20h] Anonymous. 21 March 2020. *Journal of Theoretical Biology*, 489(??):??, March 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2020:Md

[Ano20i] Anonymous. 21 May 2020. *Journal of Theoretical Biology*, 493(??):??, May 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2020:Nb

[Ano20j] Anonymous. 21 November 2020. *Journal of Theoretical Biology*, 505(??):??, November 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2020:Ob

[Ano20k] Anonymous. 21 October 2020. *Journal of Theoretical Biology*, 503(??):??, October 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2020:Sb

[Ano20l] Anonymous. 21 September 2020. *Journal of Theoretical Biology*, 501(??):??, September 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2020:Aa

[Ano20m] Anonymous. 7 April 2020. *Journal of Theoretical Biology*, 490(??):??, April 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2020:Ac

[Ano20n] Anonymous. 7 August 2020. *Journal of Theoretical Biology*, 498(??):??, August 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2020:Da

[Ano20o] Anonymous. 7 December 2020. *Journal of Theoretical Biology*, 506(??):??, December 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2020:Fa

[Ano20p] Anonymous. 7 February 2020. *Journal of Theoretical Biology*, 486(??):??, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2020:Ja

[Ano20q] Anonymous. 7 January 2020. *Journal of Theoretical Biology*, 484(??):??, January 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2020:Je

[Ano20r] Anonymous. 7 July 2020. *Journal of Theoretical Biology*, 496(??):??, July 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2020:Jc

[Ano20s] Anonymous. 7 June 2020. *Journal of Theoretical Biology*, 494(??):??, June 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2020:Ma

[Ano20t] Anonymous. 7 March 2020. *Journal of Theoretical Biology*, 488(??):??, March 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2020:Mc

[Ano20u] Anonymous. 7 May 2020. *Journal of Theoretical Biology*, 492(??):??, May 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2020:Na

[Ano20v] Anonymous. 7 November 2020. *Journal of Theoretical Biology*, 504(??):??, November 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2020:Oa

[Ano20w] Anonymous. 7 October 2020. *Journal of Theoretical Biology*, 502(??):??, October 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2020:Sa

[Ano20x] Anonymous. 7 September 2020. *Journal of Theoretical Biology*, 500(??):??, September 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2020:EBa

[Ano20y] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 484(??):Article 110047, January 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304163`.

Anonymous:2020:EBb

[Ano20z] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 485(??):Article 110064, January 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304333`.

Anonymous:2020:EBc

[Ano20-27] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 486(??):Article 110130, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304990`.

Anonymous:2020:EBd

[Ano20-28] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 487(??):Article 110149, February 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300059`.

Anonymous:2020:EBe

[Ano20-29] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 488(??):Article 110168, March 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300242`.

Anonymous:2020:EBf

[Ano20-30] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 489(??):Article 110180, March 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300369`.

Anonymous:2020:EBg

[Ano20-31] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 490(??):Article 110200, April 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300552`.

Anonymous:2020:EBh

[Ano20-32] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 491(??):Article 110219, April 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300746`.

Anonymous:2020:EBi

[Ano20-33] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 492(??):Article 110234, May 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300898`.

Anonymous:2020:EBj

[Ano20-34] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 493(??):Article 110260, May 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301156`.

Anonymous:2020:EBk

[Ano20-35] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 494(??):Article 110272, June 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301272`.

Anonymous:2020:EBl

[Ano20-36] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 495(??):Article 110285, June 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301405`.

Anonymous:2020:EBm

[Ano20-37] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 496(??):Article 110302, July 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301570`.

Anonymous:2020:EBn

[Ano20-38] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 497(??):Article 110324, July 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932030179X`.

Anonymous:2020:EBo

[Ano20-39] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 498(??):Article 110341, August 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932030196X`.

Anonymous:2020:EBp

[Ano20-40] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 499(??):Article 110356, August 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302113`.

Anonymous:2020:EBq

[Ano20-41] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 500(??):Article 110365, September 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302204`.

Anonymous:2020:EBr

[Ano20-42] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 501(??):Article 110395, September 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302502`.

Anonymous:2020:EBs

[Ano20-43] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 502(??):Article 110410, October 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302654`.

Anonymous:2020:EBt

[Ano20-44] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 503(??):Article 110430, October 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932030285X`.

Anonymous:2020:EBu

[Ano20-45] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 504(??):Article 110443, November 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302988`.

Anonymous:2020:EBv

[Ano20-46] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 505(??):Article 110466, November 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303210`.

Anonymous:2020:EBw

[Ano20-47] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 506(??):Article 110480, December 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303350`.

Anonymous:2020:EBx

[Ano20-48] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 507(??):Article 110506, December 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303611`.

Anonymous:2021:Ab

[Ano21a] Anonymous. 21 April 2021. *Journal of Theoretical Biology*, 515(??):??, April 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2021:Ad

[Ano21b] Anonymous. 21 August 2021. *Journal of Theoretical Biology*, 523(??):??, August 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2021:Db

[Ano21c] Anonymous. 21 December 2021. *Journal of Theoretical Biology*, 531(??):??, December 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2021:Fb

[Ano21d] Anonymous. 21 February 2021. *Journal of Theoretical Biology*, 511(??):??, February 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2021:Jb

[Ano21e] Anonymous. 21 January 2021. *Journal of Theoretical Biology*, 509(??):??, January 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2021:Jf

[Ano21f] Anonymous. 21 July 2021. *Journal of Theoretical Biology*, 521(??):??, July 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2021:Jd

[Ano21g] Anonymous. 21 June 2021. *Journal of Theoretical Biology*, 519(??):??, June 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2021:Mb

[Ano21h] Anonymous. 21 March 2021. *Journal of Theoretical Biology*, 513(??):??, March 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2021:Md

[Ano21i] Anonymous. 21 May 2021. *Journal of Theoretical Biology*, 517(??):??, May 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2021:Nb

[Ano21j] Anonymous. 21 November 2021. *Journal of Theoretical Biology*, 529(??):??, November 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2021:Ob

[Ano21k] Anonymous. 21 October 2021. *Journal of Theoretical Biology*, 527(??):??, October 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2021:Sb

[Ano21l] Anonymous. 21 September 2021. *Journal of Theoretical Biology*, 525(??):??, September 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2021:Aa

[Ano21m] Anonymous. 7 April 2021. *Journal of Theoretical Biology*, 514(??):??, April 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2021:Ac

[Ano21n] Anonymous. 7 August 2021. *Journal of Theoretical Biology*, 522(??):??, August 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2021:Da

[Ano21o] Anonymous. 7 December 2021. *Journal of Theoretical Biology*, 530(??):??, December 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2021:Fa

[Ano21p] Anonymous. 7 February 2021. *Journal of Theoretical Biology*, 510(??):??, February 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2021:Ja

[Ano21q] Anonymous. 7 January 2021. *Journal of Theoretical Biology*, 508(??):??, January 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2021:Je

[Ano21r] Anonymous. 7 July 2021. *Journal of Theoretical Biology*, 520(??):??, July 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2021:Jc

[Ano21s] Anonymous. 7 June 2021. *Journal of Theoretical Biology*, 518(??):??, June 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2021:Ma

[Ano21t] Anonymous. 7 March 2021. *Journal of Theoretical Biology*, 512(??):??, March 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2021:Mc

[Ano21u] Anonymous. 7 May 2021. *Journal of Theoretical Biology*, 516(??):??, May 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2021:Na

[Ano21v] Anonymous. 7 November 2021. *Journal of Theoretical Biology*, 528(??):??, November 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2021:Oa

[Ano21w] Anonymous. 7 October 2021. *Journal of Theoretical Biology*, 526(??):??, October 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2021:Sa

[Ano21x] Anonymous. 7 September 2021. *Journal of Theoretical Biology*, 524(??):??, September 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2021:EBa

[Ano21y] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 508(??):Article 110521, January 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303763`.

Anonymous:2021:EBb

[Ano21z] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 509(??):Article 110549, January 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320304045`.

Anonymous:2021:EBc

[Ano21-27] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 510(??):Article 110574, February 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932030429X`.

Anonymous:2021:EBd

[Ano21-28] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 511(??):Article 110584, February 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000060`.

Anonymous:2021:EBe

[Ano21-29] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 512(??):Article 110591, March 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000138`.

Anonymous:2021:EBf

[Ano21-30] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 513(??):Article 110611, March 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000333`.

Anonymous:2021:EBg

[Ano21-31] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 514(??):Article 110625, April 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000473`.

Anonymous:2021:EBh

[Ano21-32] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 515(??):Article 110638, April 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000606`.

Anonymous:2021:EBi

[Ano21-33] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 516(??):Article 110652, May 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000746`.

Anonymous:2021:EBj

[Ano21-34] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 517(??):Article 110673, May 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000953`.

Anonymous:2021:EBk

[Ano21-35] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 518(??):Article 110689, June 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001119`.

Anonymous:2021:EBl

[Ano21-36] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 519(??):??, June 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001272`.

Anonymous:2021:EBm

[Ano21-37] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 520(??):??, July 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001442`.

Anonymous:2021:EBn

[Ano21-38] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 521(??):??, July 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932100165X`.

Anonymous:2021:EBo

[Ano21-39] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 522(??):??, August 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001776`.

Anonymous:2021:EBp

[Ano21-40] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 523(??):??, August 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001922`.

Anonymous:2021:EBq

[Ano21-41] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 524(??):??, September 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002022`.

Anonymous:2021:EBr

[Ano21-42] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 525(??):??, September 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002216`.

Anonymous:2021:EBs

[Ano21-43] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 526(??):Article 110828, October 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002472`.

Anonymous:2021:EBt

[Ano21-44] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 527(??):Article 110843, October 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002629`.

Anonymous:2021:EBu

[Ano21-45] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 528(??):Article 110868, November 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002873`.

Anonymous:2021:EBv

[Ano21-46] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 529(??):Article 110889, November 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003088`.

Anonymous:2021:EBw

[Ano21-47] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 530(??):Article 110909, December 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003283`.

Anonymous:2021:EBx

[Ano21-48] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 531(??):Article 110930, December 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003490`.

Anonymous:2021:RPL

[Ano21-49] Anonymous. In remembrance: Professor Lewis Wolpert. *Journal of Theoretical Biology*, 523(??):??, August 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001156`.

Anonymous:2022:Ab

[Ano22a] Anonymous. 21 April 2022. *Journal of Theoretical Biology*, 539(??):??, April 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2022:Ad

[Ano22b] Anonymous. 21 August 2022. *Journal of Theoretical Biology*, 547(??):??, August 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2022:Db

[Ano22c] Anonymous. 21 December 2022. *Journal of Theoretical Biology*, 555(??):??, December 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2022:Fb

[Ano22d] Anonymous. 21 February 2022. *Journal of Theoretical Biology*, 535(??):??, February 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2022:Jb

[Ano22e] Anonymous. 21 January 2022. *Journal of Theoretical Biology*, 533(??):??, January 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2022:Jf

[Ano22f] Anonymous. 21 July 2022. *Journal of Theoretical Biology*, 545(??):??, July 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2022:Jd

[Ano22g] Anonymous. 21 June 2022. *Journal of Theoretical Biology*, 543(??):??, June 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2022:Mb

[Ano22h] Anonymous. 21 March 2022. *Journal of Theoretical Biology*, 537(??):??, March 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2022:Md

[Ano22i] Anonymous. 21 May 2022. *Journal of Theoretical Biology*, 541(??):??, May 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2022:Nb

[Ano22j] Anonymous. 21 November 2022. *Journal of Theoretical Biology*, 553(??):??, November 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2022:Sb

[Ano22k] Anonymous. 21 September 2022. *Journal of Theoretical Biology*, 549(??):??, September 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2022:Aa

[Ano22l] Anonymous. 7 April 2022. *Journal of Theoretical Biology*, 538(??):??, April 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2022:Ac

[Ano22m] Anonymous. 7 August 2022. *Journal of Theoretical Biology*, 546(??):??, August 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2022:Da

[Ano22n] Anonymous. 7 December 2022. *Journal of Theoretical Biology*, 554(??):??, December 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2022:Fa

[Ano22o] Anonymous. 7 February 2022. *Journal of Theoretical Biology*, 534(??):??, February 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2022:Ja

[Ano22p] Anonymous. 7 January 2022. *Journal of Theoretical Biology*, 532(??):??, January 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2022:Je

[Ano22q] Anonymous. 7 July 2022. *Journal of Theoretical Biology*, 544(??):??, July 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2022:Jc

[Ano22r] Anonymous. 7 June 2022. *Journal of Theoretical Biology*, 542(??):??, June 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2022:Ma

[Ano22s] Anonymous. 7 March 2022. *Journal of Theoretical Biology*, 536(??):??, March 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2022:Mc

[Ano22t] Anonymous. 7 May 2022. *Journal of Theoretical Biology*, 540(??):??, May 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2022:Na

[Ano22u] Anonymous. 7 November 2022. *Journal of Theoretical Biology*, 551–552(??):??, ???? 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2022:O

[Ano22v] Anonymous. 7 October 2022. *Journal of Theoretical Biology*, 550(??):??, October 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2022:Sa

[Ano22w] Anonymous. 7 September 2022. *Journal of Theoretical Biology*, 548(??):??, September 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2022:EBa

[Ano22x] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 532(??):Article 110953, January 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003726`.

Anonymous:2022:EBb

[Ano22y] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 533(??):Article 110969, January 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003891`.

Anonymous:2022:EBc

[Ano22z] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 534(??):Article 110991, February 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321004112`.

Anonymous:2022:EBd

[Ano22-27] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 535(??):Article 111011, February 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000091`.

Anonymous:2022:EBe

[Ano22-28] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 536(??):Article 111036, March 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000340`.

Anonymous:2022:EBf

[Ano22-29] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 537(??):Article 111049, March 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000479`.

Anonymous:2022:EBg

[Ano22-30] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 538(??):Article 111071, April 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000698`.

Anonymous:2022:EBh

[Ano22-31] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 539(??):Article 111082, April 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000807`.

Anonymous:2022:EBi

[Ano22-32] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 540(??):Article 111099, May 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000972`.

Anonymous:2022:EBj

[Ano22-33] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 541(??):Article 111114, May 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001126`.

Anonymous:2022:EBk

[Ano22-34] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 542(??):Article 111131, June 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001291`.

Anonymous:2022:EBl

[Ano22-35] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 543(??):Article 111142, June 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001400`.

Anonymous:2022:EBm

[Ano22-36] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 544(??):Article 111156, July 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001540`.

Anonymous:2022:EBn

[Ano22-37] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 545(??):Article 111168, July 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001667`.

Anonymous:2022:EBo

[Ano22-38] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 546(??):Article 111180, August 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001783`.

Anonymous:2022:EBp

[Ano22-39] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 547(??):Article 111190, August 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001886`.

Anonymous:2022:EBq

[Ano22-40] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 548(??):Article 111216, September 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002144`.

Anonymous:2022:EBr

[Ano22-41] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 549(??):Article 111229, September 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002260`.

Anonymous:2022:EBs

[Ano22-42] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 550(??):Article 111252, October 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002454`.

Anonymous:2022:EBt

[Ano22-43] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 551–552(??):Article 111266, ???? 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002570`.

Anonymous:2022:EBu

[Ano22-44] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 553(??):Article 111287, November 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002788`.

Anonymous:2022:EBv

[Ano22-45] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 554(??):Article 111305, December 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932200296X`.

Anonymous:2022:EBw

[Ano22-46] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 555(??):Article 111319, December 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003101`.

Anonymous:2023:Ab

[Ano23a] Anonymous. 21 April 2023. *Journal of Theoretical Biology*, 563(??):??, April 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2023:Ad

[Ano23b] Anonymous. 21 August 2023. *Journal of Theoretical Biology*, 571(??):??, August 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2023:Fb

[Ano23c] Anonymous. 21 February 2023. *Journal of Theoretical Biology*, 559(??):??, February 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2023:Jb

[Ano23d] Anonymous. 21 January 2023. *Journal of Theoretical Biology*, 557(??):??, January 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2023:Jf

[Ano23e] Anonymous. 21 July 2023. *Journal of Theoretical Biology*, 569(??):??, July 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2023:Jd

[Ano23f] Anonymous. 21 June 2023. *Journal of Theoretical Biology*, 567(??):??, June 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2023:Mb

[Ano23g] Anonymous. 21 March 2023. *Journal of Theoretical Biology*, 561(??):??, March 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2023:Md

[Ano23h] Anonymous. 21 May 2023. *Journal of Theoretical Biology*, 565(??):??, May 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2023:Sb

[Ano23i] Anonymous. 21 September 2023. *Journal of Theoretical Biology*, 573(??):??, September 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2023:Aa

[Ano23j] Anonymous. 7 April 2023. *Journal of Theoretical Biology*, 562(??):??, April 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2023:Ac

[Ano23k] Anonymous. 7 August 2023. *Journal of Theoretical Biology*, 570(??):??, August 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2023:Fa

[Ano23l] Anonymous. 7 February 2023. *Journal of Theoretical Biology*, 558(??):??, February 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2023:Ja

[Ano23m] Anonymous. 7 January 2023. *Journal of Theoretical Biology*, 556(??):??, January 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2023:Je

[Ano23n] Anonymous. 7 July 2023. *Journal of Theoretical Biology*, 568(??):??, July 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2023:Jc

[Ano23o] Anonymous. 7 June 2023. *Journal of Theoretical Biology*, 566(??):??, June 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2023:Ma

[Ano23p] Anonymous. 7 March 2023. *Journal of Theoretical Biology*, 560(??):??, March 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2023:Mc

[Ano23q] Anonymous. 7 May 2023. *Journal of Theoretical Biology*, 564(??):??, May 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2023:N

[Ano23r] Anonymous. 7 November 2023. *Journal of Theoretical Biology*, 575(??):??, November 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2023:O

[Ano23s] Anonymous. 7 October 2023. *Journal of Theoretical Biology*, 574(??):??, October 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2023:Sa

[Ano23t] Anonymous. 7 September 2023. *Journal of Theoretical Biology*, 572(??):??, September 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2023:EBa

[Ano23u] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 556(??):??, January 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932200337X`.

Anonymous:2023:EBb

[Ano23v] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 557(??):??, January 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003538`.

Anonymous:2023:EBc

[Ano23w] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 558(??):??, February 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003800`.

Anonymous:2023:EBd

[Ano23x] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 559(??):??, February 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003897`.

Anonymous:2023:EBe

[Ano23y] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 560(??):??, March 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000061`.

Anonymous:2023:EBf

[Ano23z] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 561(??):??, March 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000218`.

Anonymous:2023:EBg

[Ano23-27] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 562(??):??, April 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000371`.

Anonymous:2023:EBh

[Ano23-28] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 563(??):??, April 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000516`.

Anonymous:2023:EBi

[Ano23-29] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 564(??):??, May 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932300070X`.

Anonymous:2023:EBj

[Ano23-30] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 565(??):??, May 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000826`.

Anonymous:2023:EBk

[Ano23-31] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 566(??):??, June 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932300098X`.

Anonymous:2023:EBl

[Ano23-32] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 567(??):??, June 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001091`.

Anonymous:2023:EBm

[Ano23-33] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 568(??):??, July 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001261`.

Anonymous:2023:EBn

[Ano23-34] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 569(??):??, July 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001388`.

Anonymous:2023:EBo

[Ano23-35] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 570(??):??, August 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001467`.

Anonymous:2023:EBp

[Ano23-36] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 571(??):??, August 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001698`.

Anonymous:2023:EBq

[Ano23-37] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 572(??):??, September 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932300200X`.

Anonymous:2023:EBr

[Ano23-38] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 573(??):??, September 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932300214X`.

Anonymous:2023:EBs

[Ano23-39] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 574(??):??, October 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002370`.

Anonymous:2023:EBt

[Ano23-40] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 575(??):??, November 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002588`.

Anonymous:2024:Ab

[Ano24a] Anonymous. 21 April 2024. *Journal of Theoretical Biology*, 583(??):??, April 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2024:Fb

[Ano24b] Anonymous. 21 February 2024. *Journal of Theoretical Biology*, 579(??):??, February 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2024:Jb

[Ano24c] Anonymous. 21 January 2024. *Journal of Theoretical Biology*, 577(??):??, January 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2024:Jd

[Ano24d] Anonymous. 21 June 2024. *Journal of Theoretical Biology*, 587(??):??, June 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2024:Mb

[Ano24e] Anonymous. 21 March 2024. *Journal of Theoretical Biology*, 581(??):??, March 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2024:Md

[Ano24f] Anonymous. 21 May 2024. *Journal of Theoretical Biology*, 585(??):??, May 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2024:Aa

[Ano24g] Anonymous. 7 April 2024. *Journal of Theoretical Biology*, 582(??):??, April 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2024:Fa

[Ano24h] Anonymous. 7 February 2024. *Journal of Theoretical Biology*, 578(??):??, February 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2024:Ja

[Ano24i] Anonymous. 7 January 2024. *Journal of Theoretical Biology*, 576(??):??, January 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2024:Jc

[Ano24j] Anonymous. 7 June 2024. *Journal of Theoretical Biology*, 586(??):??, June 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2024:Ma

[Ano24k] Anonymous. 7 March 2024. *Journal of Theoretical Biology*, 580(??):??, March 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2024:Mc

[Ano24l] Anonymous. 7 May 2024. *Journal of Theoretical Biology*, 584(??):??, May 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2024:EBa

[Ano24m] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 576(??):??, January 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002758`.

Anonymous:2024:EBb

[Ano24n] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 577(??):??, January 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002904`.

Anonymous:2024:EBc

[Ano24o] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 578(??):??, February 7, 2024. CODEN JT-

BIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519323003053.

Anonymous:2024:EBd

[Ano24p] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 579(??):??, February 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519324000067.

Anonymous:2024:EBe

[Ano24q] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 580(??):??, March 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002251932400033X.

Anonymous:2024:EBf

[Ano24r] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 581(??):??, March 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519324000456.

Anonymous:2024:EBg

[Ano24s] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 582(??):??, April 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519324000572.

Anonymous:2024:EBh

[Ano24t] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 583(??):??, April 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519324000699.

Anonymous:2024:EBi

[Ano24u] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 584(??):??, May 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S0022519324000821.

Anonymous:2024:EBj

[Ano24v] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 585(??):??, May 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519324000912.

Anonymous:2024:EBk

[Ano24w] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 586(??):??, June 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519324001103.

Anonymous:2024:EBl

[Ano24x] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 587(??):??, June 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519324001206.

Aft:2021:SPI

[AOB21] Tristan Aft, Sorinel A. Oprisan, and Catalin V. Buhusi. Is the scalar property of interval timing preserved after hippocampus lesions? *Journal of Theoretical Biology*, 516(??):Article 110605, May 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519321000278.

Angeli:2024:WAI

[APF+24] Leonardo Angeli, Constantino Pereira Caetano, Nicolas Franco, Steven Abrams, Pietro Coletti, Inneke Van Nieuwenhuyse, Sorin Pop, and Niel Hens. Who acquires infection from whom? A sensitivity analysis of transmission dynamics during the early phase of the COVID-19 pandemic in Belgium. *Journal of Theoretical Biology*, 581(??):??, March 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002251932400002X.

Avila:2021:HRG

[APL21] Piret Avila, Tadeas Priklopil, and Laurent Lehmann. Hamilton's rule, gradual evolution, and the optimal (feedback) control of phenotypically plastic traits. *Journal of Theoretical Biology*, 526(??):Article 110602, October 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000242`.

Abdalgader:2022:TBC

[APR+22a] Tarteel Abdalgader, Michael Pedersen, Dongsheng Ren, Guiquan Sun, and Lai Zhang. Trade-off between climatic and human population impacts on *Aedes aegypti* life history shapes its geographic distribution. *Journal of Theoretical Biology*, 535(??):Article 110987, February 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321004070`.

Azimaqin:2022:VFS

[APR+22b] Nurbek Azimaqin, Zhihang Peng, Xinzhi Ren, Yangjiang Wei, and Xianning Liu. Vaccine failure, seasonality and demographic changes associate with mumps outbreaks in Jiangsu Province, China: Age-structured mathematical modelling study. *Journal of Theoretical Biology*, 544(??):Article 111125, July 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001230`.

Ahn:2020:TPD

[AR20] Sungwoo Ahn and Leonid L. Rubchinsky. Temporal patterns of dispersal-induced synchronization in population dynamics. *Journal of Theoretical Biology*, 490(??):Article 110159, April 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300151`.

Argasinski:2021:RDG

[AR21] Krzysztof Argasinski and Ryszard Rudnicki. Replicator dynamics for the game theoretic selection models based on state. *Journal of Theoretical Biology*, 526(??):Article 110540, October 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print),

1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303957`.

Andras:2021:WDS

[AS21] Peter Andras and Adam Stanton. Where do successful populations originate from? *Journal of Theoretical Biology*, 524(??):??, September 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001569`.

Allaby:2022:NCF

[ASF22] Robin G. Allaby, Chris J. Stevens, and Dorian Q. Fuller. A novel cost framework reveals evidence for competitive selection in the evolution of complex traits during plant domestication. *Journal of Theoretical Biology*, 537(??):Article 111004, March 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000029`.

Abroudi:2020:TAC

[ASK20] Ali Abroudi, Sandhya Samarasinghe, and Don Kulasiri. Towards abstraction of computational modelling of mammalian cell cycle: Model reduction pipeline incorporating multi-level hybrid petri nets. *Journal of Theoretical Biology*, 496(??):Article 110212, July 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300679`.

Archibald:2023:PSS

[ASMN23] Kevin M. Archibald, Heidi M. Sosik, Holly V. Moeller, and Michael G. Neubert. Predator switching strength controls stability in diamond-shaped food web models. *Journal of Theoretical Biology*, 570(??):??, August 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001327`.

AlSariri:2023:OHT

[ASP23] Tahani Al Sariri, Radostin D. Simitev, and Raimondo Penta. Optimal heat transport induced by magnetic nanoparticle delivery in vascularised tumours. *Journal of Theoret-*

ical Biology, 561(??):??, March 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003630`.

Are:2023:CEP

[ASS+23] Elisha B. Are, Yexuan Song, Jessica E. Stockdale, Paul Tupper, and Caroline Colijn. COVID-19 endgame: From pandemic to endemic? Vaccination, reopening and evolution in low- and high-vaccinated populations. *Journal of Theoretical Biology*, 559(??):??, February 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003599`.

Abo:2022:MFP

[ASSL22] Stéphanie Abo, Delaney Smith, Melissa Stadt, and Anita Layton. Modelling female physiology from head to toe: Impact of sex hormones, menstrual cycle, and pregnancy. *Journal of Theoretical Biology*, 540(??):Article 111074, May 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000728`.

Al-Tuwairqi:2020:MDC

[ATAJS20] Salma M. Al-Tuwairqi, Najwa O. Al-Johani, and Eman A. Simbawa. Modeling dynamics of cancer radiovirotherapy. *Journal of Theoretical Biology*, 506(??):Article 110405, December 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302605`.

Aogo:2022:SDI

[ATP22] Rosemary A. Aogo, Mark M. Tanaka, and Catherine J. Penington. Spatial dynamics of inflammation-causing and commensal bacteria in the gastrointestinal tract. *Journal of Theoretical Biology*, 548(??):Article 111194, September 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001928`.

Abukwaik:2023:IPX

[AVSTS23] Roba Abukwaik, Elias Vera-Siguenza, Daniel A. Tennant, and Fabian Spill. Interplay of p53 and XIAP protein dynamics orchestrates cell fate in response to chemotherapy. *Journal of Theoretical Biology*, 572(??):??, September 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001595`.

Avvari:2021:TMR

[Avv21] Ravi Kant Avvari. Theoretical modeling of the resistance to gastric emptying and duodenogastric reflux due to pyloric motility alone, presuming antral and duodenal quiescence. *Journal of Theoretical Biology*, 508(??):Article 110460, January 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303155`.

Avvari:2023:RSC

[Avv23] Ravi Kant Avvari. Role of segmental contraction in the small intestinal digestion: a computational approach to study the physics behind the luminal mixing and transport. *Journal of Theoretical Biology*, 561(??):??, March 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000140`.

Amoah-Darko:2022:MMD

[AW22] Frederick Laud Amoah-Darko, Jr. and Diana White. Modeling microtubule dynamic instability: Microtubule growth, shortening and pause. *Journal of Theoretical Biology*, 553 (??):Article 111257, November 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002491`.

Andreychuk:2022:MMA

[AY22] Saige Andreychuk and Laith Yakob. Mathematical modelling to assess the feasibility of *Wolbachia* in malaria vector biocontrol. *Journal of Theoretical Biology*, 542(??):Article 111110, June 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001084`.

Alderliesten:2022:SCW

[AZdV+22] Jesse B. Alderliesten, Mark P. Zwart, J. Arjan G. M. de Visser, Arjan Stegeman, and Egil A. J. Fischer. Second compartment widens plasmid invasion conditions: Two-compartment pair-formation model of conjugation in the gut. *Journal of Theoretical Biology*, 533(??):Article 110937, January 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003568`.

Ayala-Zambrano:2023:BNM

[AZYF+23] Cecilia Ayala-Zambrano, Mariana Yuste, Sara Frias, Benilde Garcia de Teresa, Luis Mendoza, Eugenio Azpeitia, Alfredo Rodríguez, and Leda Torres. A Boolean network model of the double-strand break repair pathway choice. *Journal of Theoretical Biology*, 573(??):??, September 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002059`.

Buckingham:2024:SET

[BA24] Lydia J. Buckingham and Ben Ashby. Separation of evolutionary timescales in coevolving species. *Journal of Theoretical Biology*, 579(??):??, February 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002850`.

Bagchi:2024:GST

[BACS24] Dweepabiswa Bagchi, Ramesh Arumugam, V. K. Chandrasekar, and D. V. Senthilkumar. Generalized synchronization in a tritrophic food web metacommunity. *Journal of Theoretical Biology*, 582(??):??, April 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000407`.

Bai:2021:EPH

[Bai21] Fan Bai. Effect of population heterogeneity on herd immunity and on vaccination decision making process. *Journal of Theoretical Biology*, 526(??):Article 110795, October

7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002149`.

Byrne:2021:SFR

[BAJ+21] Monika Byrne, Rosalind Aughwane, Joanna L. James, J. Ciaran Hutchinson, Owen J. Arthurs, Neil J. Sebire, Sebastien Ourselin, Anna L. David, Andrew Melbourne, and Alys R. Clark. Structure-function relationships in the feto-placental circulation from in silico interpretation of micro-CT vascular structures. *Journal of Theoretical Biology*, 517(??):Article 110630, May 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000527`.

Barwich:2021:ILB

[Bar21] Ann-Sophie Barwich. Imaging the living brain: an argument for ruthless reductionism from olfactory neurobiology. *Journal of Theoretical Biology*, 512(??):Article 110560, March 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932030415X`.

Barraquand:2023:NSF

[Bar23] Frédéric Barraquand. No sensitivity to functional forms in the Rosenzweig–MacArthur model with strong environmental stochasticity. *Journal of Theoretical Biology*, 572(??):??, September 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001637`.

Baumgartner:2020:CNS

[Bau20] Matheus T. Baumgartner. Connectance and nestedness as stabilizing factors in response to pulse disturbances in adaptive antagonistic networks. *Journal of Theoretical Biology*, 486(??):Article 110073, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304424`.

Bano:2022:RGP

[BAU+22] Sheher Bano, Muhammad Rizwan Azam, Ali Arshad Uppal, Syed Bilal Javed, and Aamer Iqbal Bhatti. Robust p53 recovery using chattering free sliding mode control and a gain-scheduled modified Utkin observer. *Journal of Theoretical Biology*, 532(??):Article 110914, January 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519321003337.

Bartlett:2021:CRH

[BB21a] Lewis J. Bartlett and Mike Boots. The central role of host reproduction in determining the evolution of virulence in spatially structured populations. *Journal of Theoretical Biology*, 523(??):??, August 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519321001399.

Brewer:2021:CRT

[BB21b] Tom R. Brewer and Michael B. Bonsall. Combining refuges with transgenic insect releases for the management of an insect pest with non-recessive resistance to Bt crops in agricultural landscapes. *Journal of Theoretical Biology*, 509(??):Article 110514, January 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320303696.

Bayer:2022:MDM

[BBDB22] Péter Bayer, Joel S. Brown, Johan Dubbeldam, and Mark Broom. A Markovian decision model of adaptive cancer treatment and quality of life. *Journal of Theoretical Biology*, 551–552(??):Article 111237, ???? 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322002338.

Banuelos:2020:MLT

[BBH+20] Selenne Bañuelos, Janet Best, Gemma Huguet, Alicia Prieto-Langarica, Pamela B. Pyzza, and Shelby Wilson. Modeling the long term effects of thermoregulation on human sleep.

Journal of Theoretical Biology, 493(??):Article 110208, May 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300631`.

Bai:2023:MSE

[BBK23] Fan Bai, Richard Bertram, and Bhargav R. Karamched. A mathematical study of the efficacy of possible negative feedback pathways involved in neuronal polarization. *Journal of Theoretical Biology*, 571(??):??, August 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001583`.

Beyer:2021:DTC

[BBR+21] Robert M. Beyer, David Basler, Pasi Raumonen, Mikko Kaasalainen, and Hans Pretzsch. Do trees have constant branch divergence angles? *Journal of Theoretical Biology*, 512(??):Article 110567, March 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320304227`.

Bodmer:2020:SSP

[BC20] Walter F. Bodmer and Daniel J. M. Crouch. Somatic selection of poorly differentiating variant stem cell clones could be a key to human ageing. *Journal of Theoretical Biology*, 489(??):Article 110153, March 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300096`.

Barrett:2021:ODC

[BC21] Jeff M. Barrett and Jack P. Callaghan. A one-dimensional collagen-based biomechanical model of passive soft tissue with viscoelasticity and failure. *Journal of Theoretical Biology*, 509(??):Article 110488, January 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932030343X`.

Baer:2021:MCM

[BCC+21] Steven M. Baer, Shaojie Chang, Sharon M. Crook, Carl L. Gardner, Jeremiah R. Jones, Christian Ringhofer, and Ralph F. Nelson. A multiscale continuum model of the vertebrate outer retina: the temporal dynamics of background-induced flicker enhancement. *Journal of Theoretical Biology*, 525(??):??, September 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001855`.

Berrios-Caro:2021:CDM

[BCGG21] Ernesto Berríos-Caro, Danna R. Gifford, and Tobias Galla. Competition delays multi-drug resistance evolution during combination therapy. *Journal of Theoretical Biology*, 509(??):Article 110524, January 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303799`.

Beretta:2022:PCO

[BCS+22] Edoardo Beretta, Vincenzo Capasso, Simone Scacchi, Matteo Brunetti, and Matteo Montagna. Prevention and control of OQDS (olive quick decline syndrome) outbreaks caused by *Xylella fastidiosa*. *Journal of Theoretical Biology*, 542(??):Article 111118, June 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001163`.

Bliman:2021:HBC

[BD21] Pierre-Alexandre Bliman and Michel Duprez. How best can finite-time social distancing reduce epidemic final size? *Journal of Theoretical Biology*, 511(??):Article 110557, February 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320304124`.

Baumgartner:2022:SCD

[BD22] Matheus Tenório Baumgartner and Lucas Del Bianco Faria. The sensitivity of complex dynamic food webs to

the loss of top omnivores. *Journal of Theoretical Biology*, 538(??):Article 111027, April 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932200025X`.

Buonomo:2022:BMA

[BDdG22] Bruno Buonomo, Rossella Della Marca, Alberto d'Onofrio, and Maria Groppi. A behavioural modelling approach to assess the impact of COVID-19 vaccine hesitancy. *Journal of Theoretical Biology*, 534(??):Article 110973, February 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003933`.

Bartha:2022:MIR

[BE22] Liza Bartha and Raluca Eftimie. Mathematical investigation into the role of macrophage heterogeneity on the temporal and spatio-temporal dynamics of non-small cell lung cancers. *Journal of Theoretical Biology*, 549 (??):Article 111207, September 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002053`.

Bouderbala:2020:UHC

[BEBA20] Ilhem Bouderbala, Nadjia El Saadi, Alassane Bah, and Pierre Auger. Understanding how the collective behaviour of phytoflagellates is affected by light attenuation and diel vertical migration using individual-based modelling. *Journal of Theoretical Biology*, 494(??):Article 110241, June 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300965`.

Breitenbach:2022:MSB

[BEO+22] Tim Breitenbach, Nils Englert, Özge Osmanoglu, Natalia Rukoyatkina, Gaby Wangorsch, Katrin Heinze, Andreas Friebe, Elke Butt, Robert Feil, Marcus Dittrich, Stepan Gambaryan, and Thomas Dandekar. A modular systems biological modelling framework studies cyclic nucleotide signaling in platelets. *Journal of Theoretical Biology*, 550(??):Article 111222, October 7, 2022. CO-

DEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932200220X`.

Broom:2020:MMA

[BERR20] Mark Broom, Igor V. Erovenko, Jonathan T. Rowell, and Jan Rychtár. Models and measures of animal aggregation and dispersal. *Journal of Theoretical Biology*, 484(??):Article 110002, January 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319303716`.

Blitvic:2020:ALO

[BF20] Natasha Blitvić and Vicente I. Fernandez. Aging a little: On the optimality of limited senescence in *Escherichia coli*. *Journal of Theoretical Biology*, 502(??):Article 110331, October 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301867`.

Bijma:2021:SHR

[BFG21] Nienke N. Bijma, Alexander E. Filippov, and Stanislav N. Gorb. Sisyphus and his rock: Quasi-random walk inspired by the motion of a ball transported by a dung beetle on combined terrain. *Journal of Theoretical Biology*, 520(??):??, July 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000813`.

Bramble:2023:ERS

[BFSA23] Jordan Bramble, Alexander Fulk, Raul Saenz, and Folashade B. Agusto. Exploring the role of superspreading events in SARS-CoV-2 outbreaks. *Journal of Theoretical Biology*, 558(??):??, February 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003447`.

Berardo:2021:CRP

[BG21] Cecilia Berardo and Stefan Geritz. Coevolution of the reckless prey and the patient predator. *Journal of Theoretical Biology*, 530(??):Article 110873, December 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (elec-

tronic). URL http://www.sciencedirect.com/science/article/pii/S0022519321002927.

Brhane:2021:MMD

[BGA21] Kewani Welay Brhane, Michael Gidey Gebru, and Abdulaziz Garba Ahmad. Mathematical model for the dynamics of Savanna ecosystem considering fire disturbances. *Journal of Theoretical Biology*, 509(??):Article 110515, January 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320303702.

Bassett:2021:IBM

[BGB+21] Jason Bassett, Jörn Gethmann, Pascal Blunk, Franz J. Conraths, and Philipp Hövel. Individual-based model for the control of Bovine Viral Diarrhea spread in livestock trade networks. *Journal of Theoretical Biology*, 527(??):Article 110820, October 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519321002393.

Bhowmick:2020:LTD

[BGC+20] Suman Bhowmick, Jörn Gethmann, Franz J. Conraths, Igor M. Sokolov, and Hartmut H. K. Lentz. Locally temperature-driven mathematical model of West Nile virus spread in Germany. *Journal of Theoretical Biology*, 488(??):Article 110117, March 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519319304862.

Boudin:2023:CMD

[BGGM23] Laurent Boudin, Céline Grandmont, Bérénice Grec, and Sébastien Martin. A coupled model for the dynamics of gas exchanges in the human lung with Haldane and Bohr's effects. *Journal of Theoretical Biology*, 573(??):??, September 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002251932300187X.

Browne:2022:DIC

[BGM22] Cameron J. Browne, Hayriye Gulbudak, and Joshua C. Macdonald. Differential impacts of contact tracing and lockdowns

on outbreak size in COVID-19 model applied to China. *Journal of Theoretical Biology*, 532(??):Article 110919, January 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003386`.

Brutovsky:2020:SIE

[BH20] B. Brutovsky and D. Horvath. *In Silico* implementation of evolutionary paradigm in therapy design: Towards anticancer therapy as Darwinian process. *Journal of Theoretical Biology*, 485(??):Article 110038, January 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304072`.

Baldwin:2023:SAW

[BH23] Scott A. Baldwin and Jason M. Haugh. Semi-autonomous wound invasion via matrix-deposited, haptotactic cues. *Journal of Theoretical Biology*, 568(??):??, July 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001029`.

Beeton:2020:MCB

[BHW+20] Nicholas J. Beeton, Geoffrey R. Hosack, Andrew Wilkins, Lawrence K. Forbes, Adrien Ickowicz, and Keith R. Hayes. Modelling competition between hybridising subspecies. *Journal of Theoretical Biology*, 486(??):Article 110072, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304412`.

Best:2020:MMS

[BJB+20] Alex Best, Jamil Jubrail, Mike Boots, David Dockrell, and Helen Marriott. A mathematical model shows macrophages delay *Staphylococcus aureus* replication, but limitations in microbicidal capacity restrict bacterial clearance. *Journal of Theoretical Biology*, 497(??):Article 110256, July 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301119`.

Biswas:2021:FPT

[BJG21] Kuheli Biswas, Mohit Kumar Jolly, and Anandamohan Ghosh. First passage time properties of miRNA-mediated protein translation. *Journal of Theoretical Biology*, 529 (??):Article 110863, November 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002824`.

Balasekaran:2022:QNE

[BJR+22] Madhumitha Balasekaran, Michal Johanis, Jan Rychtár, Dewey Taylor, and Jackie Zhu. Quasi-neutral evolution in populations under small demographic fluctuations. *Journal of Theoretical Biology*, 538(??):Article 111040, April 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000388`.

Borges:2020:CIP

[BK20a] Rui Borges and Carolin Kosiol. Consistency and identifiability of the polymorphism-aware phylogenetic models. *Journal of Theoretical Biology*, 486(??):Article 110074, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304436`.

Broom:2020:TSG

[BK20b] Mark Broom and Vlastimil Krivan. Two-strategy games with time constraints on regular graphs. *Journal of Theoretical Biology*, 506(??):Article 110426, December 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302812`.

Blyuss:2021:ELA

[BK21] K. B. Blyuss and Y. N. Kyrychko. Effects of latency and age structure on the dynamics and containment of COVID-19. *Journal of Theoretical Biology*, 513(??):Article 110587, March 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000096`.

Bedekar:2023:PEO

[BKP23] Prajakta Bedekar, Anthony J. Kearsley, and Paul N. Patrone. Prevalence estimation and optimal classification methods to account for time dependence in antibody levels. *Journal of Theoretical Biology*, 559(??):??, February 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003666`.

Becker:2022:MDD

[BKZ+22] Sid Becker, Andrey V. Kuznetsov, Dan Zhao, Filippo de Monte, and Giuseppe Pontrelli. Model of drug delivery to populations composed of two cell types. *Journal of Theoretical Biology*, 534(??):Article 110947, February 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003660`.

Burbano-L:2020:DDM

[BLP20] Daniel A. Burbano-L. and Maurizio Porfiri. Data-driven modeling of zebrafish behavioral response to acute caffeine administration. *Journal of Theoretical Biology*, 485 (??):Article 110054, January 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304230`.

Bernhauerova:2021:MMS

[BLRV21] Veronika Bernhauerová, Bartek Lisowski, Veronica V. Rezelj, and Marco Vignuzzi. Mathematical modelling of SARS-CoV-2 infection of human and animal host cells reveals differences in the infection rates and delays in viral particle production by infected cells. *Journal of Theoretical Biology*, 531(??):Article 110895, December 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003143`.

Bolle:2020:DCM

[BM20] Nicolas Bolle and Matthew S. Mizuhara. Dynamics of a cell motility model near the sharp interface limit. *Journal of Theoretical Biology*, 505(??):Article 110420, November 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print),

1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320302757.

Browning:2021:MBD

[BMB+21] Alexander P. Browning, Oliver J. Maclaren, Pascal R. Buenzli, Matthew Lanaro, Mark C. Allenby, Maria A. Woodruff, and Matthew J. Simpson. Model-based data analysis of tissue growth in thin 3D printed scaffolds. *Journal of Theoretical Biology*, 528(??):Article 110852, November 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002251932100271X.

Baabdulla:2021:HRD

[BNP+21] Arwa Abdulla Baabdulla, Hesung Now, Ju An Park, Woo-Jong Kim, Sungjune Jung, Joo-Yeon Yoo, and Thomas Hillen. Homogenization of a reaction diffusion equation can explain influenza A virus load data. *Journal of Theoretical Biology*, 527(??):Article 110816, October 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519321002356.

Blokhuis:2020:GTC

[BNPL20] Alex Blokhuis, Philippe Nghe, Luca Peliti, and David Lacoste. The generality of transient compartmentalization and its associated error thresholds. *Journal of Theoretical Biology*, 487(??):Article 110110, February 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519319304795.

Boldin:2022:IED

[Bol22] Barbara Boldin. The importance of ecological dynamics in evolutionary processes: a host–bacteriophage model revisited. *Journal of Theoretical Biology*, 539(??):Article 111057, April 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322000558.

Baker:2020:EHF

[BP20] Ryan Baker and Michel Pleimling. The effect of habitats and fitness on species coexistence in systems with cyclic domi-

nance. *Journal of Theoretical Biology*, 486(??):Article 110084, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304539`.

Baldwin:2021:LTF

[BP21] Quenisha Baldwin and Eleni Panagiotou. The local topological free energy of proteins. *Journal of Theoretical Biology*, 529(??):Article 110854, November 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002733`.

Balakrishnan:2023:ATS

[BP23] Sreenath Balakrishnan and Safvan Palathingal. An adaptive testing strategy for efficient utilization of healthcare resources during an epidemic. *Journal of Theoretical Biology*, 571(??):??, August 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001522`.

Butuzova:2022:DGC

[BPM+22] Oksana Butuzova, Nikolay Pakudin, Andrey Minarsky, Nikolay Bessonov, and Nadya Morozova. Developmental graphs comparison strategy for analysis of pattern formation and phylogeny. *Journal of Theoretical Biology*, 532(??):Article 110925, January 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003441`.

Balelli:2020:MEM

[BPP+20] Irene Balelli, Chloé Pasin, Mélanie Prague, Fabien Crauste, Thierry Van Effelterre, Viki Bockstal, Laura Solforosi, and Rodolphe Thiébaut. A model for establishment, maintenance and reactivation of the immune response after vaccination against Ebola virus. *Journal of Theoretical Biology*, 495(??):Article 110254, June 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301090`.

Bohlin:2020:SSM

[BRBF20] Jon Bohlin, Brittany Rose, Ola Brynildsrud, and Birgitte Freiesleben De Blasio. A simple stochastic model describing genomic evolution over time of GC content in microbial symbionts. *Journal of Theoretical Biology*, 503(??):Article 110389, October 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302447`.

Bahramian:2022:SOD

[BRN+22] Alireza Bahramian, Janarthanan Ramadoss, Fahimeh Nazarimehr, Karthikeyan Rajagopal, Sajad Jafari, and Iqtadar Hussain. A simple one-dimensional map-based model of spiking neurons with wide ranges of firing rates and complexities. *Journal of Theoretical Biology*, 539(??):Article 111062, April 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000601`.

Bunimovich:2024:ACV

[BRS24] Leonid Bunimovich, Athulya Ram, and Pavel Skums. Antigenic cooperation in viral populations: Transformation of functions of intra-host viral variants. *Journal of Theoretical Biology*, 580(??):??, March 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323003168`.

Bazzazi:2021:MSP

[BS21] Hojjat Bazzazi and Azar Shahraz. A mechanistic systems pharmacology modeling platform to investigate the effect of PD-L1 expression heterogeneity and dynamics on the efficacy of PD-1 and PD-L1 blocking antibodies in cancer. *Journal of Theoretical Biology*, 522(??):??, August 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001193`.

Brautigam:2022:DAP

[BS22a] Camila Bräutigam and Matteo Smerlak. Diffusion approximations in population genetics and the rate of Muller's

ratchet. *Journal of Theoretical Biology*, 550(??):Article 111236, October 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002314`.

Bruner:2022:TBS

[BS22b] Justin P. Bruner and Rory Smead. Tag-based spite with correlated interactions. *Journal of Theoretical Biology*, 540(??):Article 111052, May 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000509`.

Bandyopadhyay:2020:CAN

[BSC20a] Anirban Bandyopadhyay, Gaurav Sharma, and Shubhajit Roy Chowdhury. Computational analysis of NIRS and BOLD signal from neurovascular coupling with three neuron-system feedforward inhibition network. *Journal of Theoretical Biology*, 498(??):Article 110297, August 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301521`.

Banerjee:2020:CPM

[BSC20b] Swarnendu Banerjee, Amar Sha, and Joydev Chattopadhyay. Cooperative predation on mutualistic prey communities. *Journal of Theoretical Biology*, 490(??):Article 110156, April 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300126`.

Baker:2020:LCT

[BSJ20] Chris Baker, Mark Sterling, and Mike Jesson. The lodging of crops by tornadoes. *Journal of Theoretical Biology*, 500(??):Article 110309, September 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301648`.

Bhardwaj:2020:EBT

[BSS+20] Vijay Bhardwaj, Rahul Singh, Pooja Singh, Rituraj Purohit, and Sanjay Kumar. Elimination of bitter-off taste

of stevioside through structure modification and computational interventions. *Journal of Theoretical Biology*, 486(??):Article 110094, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304631`.

Bowen:2024:MME

[BSV+24] M. Bowen, P. Samozino, M. Vonderscher, D. Dutykh, and B. Morel. Mathematical modeling of exercise fatigability in the severe domain: a unifying integrative framework in isokinetic condition. *Journal of Theoretical Biology*, 578(??):??, February 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932300293X`.

Bitsouni:2022:MMT

[BT22] Vasiliki Bitsouni and Vasilis Tsilidis. Mathematical modeling of tumor-immune system interactions: the effect of rituximab on breast cancer immune response. *Journal of Theoretical Biology*, 539(??):Article 111001, April 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321004215`.

Bergmann:2024:MMM

[BTS24] Philip J. Bergmann and Isabel Tonelli-Sippel. Many-to-many mapping: a simulation study of how the number of traits and tasks affect the evolution of form and function. *Journal of Theoretical Biology*, 581(??):??, March 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000250`.

Bouchnita:2024:PSM

[BV24] Anass Bouchnita and Vitaly Volpert. Phenotype-structured model of intra-clonal heterogeneity and drug resistance in multiple myeloma. *Journal of Theoretical Biology*, 576(??):??, January 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002497`.

Bailey:2020:OMI

[BvdG20] Richard M. Bailey and Jesse M. A. van der Grient. OSIRIS: a model for integrating the effects of multiple stressors on marine ecosystems. *Journal of Theoretical Biology*, 493(??):Article 110211, May 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300667`.

Bai:2024:MLC

[BW24] Jie Bai and Jin Wang. Modeling long COVID dynamics: Impact of underlying health conditions. *Journal of Theoretical Biology*, 576(??):??, January 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002667`.

Bessho:2020:SEM

[BYHH20] Kazuhiro Bessho, Kenta Yashima, Toyomitsu Horii, and Masakazu Hori. Spatially explicit modeling of metapopulation dynamics of broadcast spawners and stabilizing/destabilizing effects of heterogeneity of quality across local habitats. *Journal of Theoretical Biology*, 492(??):Article 110157, May 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300138`.

Cox:2021:MMI

[CA21] Kingsley J. A. Cox and Paul R. Adams. A minimal model of the interaction of social and individual learning. *Journal of Theoretical Biology*, 527(??):Article 110712, October 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932100134X`.

Castano-Arcila:2021:MID

[CAARG21] Mauricio Castaño-Arcila, Luis U. Aguilera, and Jesús Rodríguez-González. Modeling the intracellular dynamics of the dengue viral infection and the innate immune response. *Journal of Theoretical Biology*, 509(??):Article 110529, January 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303842`.

Cai:2022:ECM

[Cai22] Yuhua Cai. Evolutionary coexistence in a metacommunity: Competition–colonization trade-off, ownership effects, environmental fluctuations. *Journal of Theoretical Biology*, 533(??):Article 110944, January 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003635`.

Carvalho:2023:CMC

[Car23] Joao Carvalho. A computational model of cell membrane bioelectric polarization and depolarization, connected with cell proliferation, in different tissue geometries. *Journal of Theoretical Biology*, 557(??):??, January 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003290`.

Casenave:2022:IBN

[CBBD22] Céline Casenave, Anne Bisson, Simon Boudsocq, and Tanguy Daufresne. Impact of biological nitrogen fixation and livestock management on the manure transfer from grazing land in mixed farming systems. *Journal of Theoretical Biology*, 545(??):Article 111136, July 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001345`.

Celora:2022:DSM

[CBH+22] Giulia L. Celora, Samuel B. Bader, Ester M. Hammond, Philip K. Maini, Joe M. Pitt-Francis, and Helen M. Byrne. A DNA-structured mathematical model of cell-cycle progression in cyclic hypoxia. *Journal of Theoretical Biology*, 545(??):Article 111104, July 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001023`. See corrigendum [CBH+23].

Celora:2023:CDS

[CBH+23] Giulia L. Celora, Samuel B. Bader, Ester M. Hammond, Philip K. Maini, Joe M. Pitt-Francis, and Helen M.

Byrne. Corrigendum to "A DNA-structured mathematical model of cell-cycle progression in cyclic hypoxia" [J. Theor. Biol. **545** (2022) 111104]. *Journal of Theoretical Biology*, 571(??):??, August 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001030`. See [CBH+22].

Cloete:2020:DMC

[CBK+20] Ielyaas Cloete, Paula J. Bartlett, Vivien Kirk, Andrew P. Thomas, and James Sneyd. Dual mechanisms of Ca $^{2+}$ oscillations in hepatocytes. *Journal of Theoretical Biology*, 503(??):Article 110390, October 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302459`.

Celora:2023:STM

[CBK23] Giulia L. Celora, Helen M. Byrne, and P. G. Kevrekidis. Spatio-temporal modelling of phenotypic heterogeneity in tumour tissues and its impact on radiotherapy treatment. *Journal of Theoretical Biology*, 556(??):??, January 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002417`.

Cochrane:2021:EME

[CBKS21] Courtney Cochrane, Demba Ba, Elizabeth B. Klerman, and Melissa A. St. Hilaire. An ensemble mixed effects model of sleep loss and performance. *Journal of Theoretical Biology*, 509(??):Article 110497, January 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303520`.

Chowdhury:2023:EEC

[CBPG23] Sayantan Nag Chowdhury, Jeet Banerjee, Matjaz Perc, and Dibakar Ghosh. Eco-evolutionary cyclic dominance among predators, prey, and parasites. *Journal of Theoretical Biology*, 564(??):??, May 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000425`.

Celora:2021:PVM

[CBZK21] Giulia L. Celora, Helen M. Byrne, Christos E. Zois, and P. G. Kevrekidis. Phenotypic variation modulates the growth dynamics and response to radiotherapy of solid tumours under normoxia and hypoxia. *Journal of Theoretical Biology*, 527(??):Article 110792, October 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002113`.

Corcoran:2022:ANM

[CC22] Carl Corcoran and John Michael Clark. Adaptive network modeling of social distancing interventions. *Journal of Theoretical Biology*, 546(??):Article 111151, August 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001497`.

Capitan:2020:CDP

[CCA20] José A. Capitán, Sara Cuenda, and David Alonso. Competitive dominance in plant communities: Modeling approaches and theoretical predictions. *Journal of Theoretical Biology*, 502(??):Article 110349, October 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302046`.

Carlsson:2020:MWB

[CCF+20] Rose-Marie Carlsson, Lauren M. Childs, Zhilan Feng, John W. Glasser, Jane M. Heffernan, Jing Li, and Gergely Röst. Modeling the waning and boosting of immunity from infection or vaccination. *Journal of Theoretical Biology*, 497(??):Article 110265, July 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932030120X`.

Castiblanco:2022:SCM

[CCPD22] Julieth Castiblanco, Paulo F. Cristaldo, Leticia R. Paiva, and Og DeSouza. Social context modulates scale-free movements in a social insect. *Journal of Theoretical Biology*, 542(??):Article 111106, June 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S0022519322001047.

Christensen:2021:AIL

[CCSF21] Kim Christensen, Luca Cocconi, and Ana B. Sendova-Franks. Animal intermittent locomotion: a null model for the probability of moving forward in bounded space. *Journal of Theoretical Biology*, 510(??):Article 110533, February 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002251932030388X.

Cloete:2021:TTR

[CCVB+21] Ielyaas Cloete, Juliana C. Corrêa-Velloso, Paula J. Bartlett, Vivien Kirk, Andrew P. Thomas, and James Sneyd. A tale of two receptors. *Journal of Theoretical Biology*, 518(??):Article 110629, June 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519321000515.

Calabrese:2022:HOA

[CD22] Justin M. Calabrese and Jeffery Demers. How optimal allocation of limited testing capacity changes epidemic dynamics. *Journal of Theoretical Biology*, 538(??):Article 111017, April 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322000157.

Chiu:2020:MFM

[CDC20] Loren Z. F. Chiu, Torstein E. Dæhlin, and Jason P. Carey. A multiple fascicle muscle force model of the human triceps surae. *Journal of Theoretical Biology*, 495(??):Article 110251, June 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320301065.

Coton:2023:EEL

[CDdV23] Charlotte Coton, Christine Dillmann, and Dominique de Vienne. Evolution of enzyme levels in metabolic pathways: a theoretical approach. Part 2. *Journal of Theoretical Biology*, 558(??):??, February 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S0022519322003459.

Cess:2020:DDA

[CF20] Colin G. Cess and Stacey D. Finley. Data-driven analysis of a mechanistic model of CAR T cell signaling predicts effects of cell-to-cell heterogeneity. *Journal of Theoretical Biology*, 489(??):Article 110125, March 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519319304941.

Cai:2021:EIT

[CG21] Yuhua Cai and Stefan A. H. Geritz. The evolution of the irreversible transition from a free-swimming state to an immobile sessile state in aquatic invertebrates modelled in a chemostat. *Journal of Theoretical Biology*, 522(??):??, August 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002251932100103X.

Conte:2020:GII

[CGGG20] Martina Conte, Luca Gerardo-Giorda, and Maria Groppi. Glioma invasion and its interplay with nervous tissue and therapy: a multiscale model. *Journal of Theoretical Biology*, 486(??):Article 110088, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519319304576.

Cao:2023:MNC

[CGK23] Jiaming Cao, Pulkit Grover, and Jana M. Kainerstorfer. A model of neurovascular coupling and its application to cortical spreading depolarization. *Journal of Theoretical Biology*, 572(??):??, September 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519323001777.

Cheng:2020:GTA

[CGP+20] Emily Cheng, Neeha Gambhirrao, Rohani Patel, Aufia Zhowandai, Jan Rychtář, and Dewey Taylor. A game-theoretical analysis of poliomyelitis vaccination. *Journal of*

Theoretical Biology, 499(??):Article 110298, August 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301533`.

Cuesta:2022:BBP

[CGR22] Fernando Alcalde Cuesta, Gustavo Guerberoff, and Álvaro Lozano Rojo. Bernoulli and binomial proliferation on evolutionary graphs. *Journal of Theoretical Biology*, 534 (??):Article 110942, February 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003611`.

Chang:2022:OCP

[CGW22] Lili Chang, Shupeng Gao, and Zhen Wang. Optimal control of pattern formations for an SIR reaction–diffusion epidemic model. *Journal of Theoretical Biology*, 536(??):Article 111003, March 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000017`.

Caasi:2023:MMI

[CGY+23] Jovic Aaron S. Caasi, Alex Leon Guerrero, Kangsan Yoon, Leslie J. Camacho Aquino, Aubrey Moore, Hyunju Oh, Jan Rychtář, and Dewey Taylor. A mathematical model of invasion and control of coconut rhinoceros beetle *Oryctes rhinoceros* (L.) in Guam. *Journal of Theoretical Biology*, 570(??):??, August 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001212`.

Chauvet:2023:TAR

[CHMM23] Sophie Chauvet, Florence Hubert, Fanny Mann, and Mathieu Mezache. Tumorigenesis and axons regulation for the pancreatic cancer: a mathematical approach. *Journal of Theoretical Biology*, 556(??):??, January 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002922`.

Choua:2020:EVP

[CHSB20] Melinda Choua, Michael R. Heath, Douglas C. Speirs, and Juan A. Bonachela. The effect of viral plasticity on the persistence of host-virus systems. *Journal of Theoretical Biology*, 498(??):Article 110263, August 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301181`.

Chen:2022:MEC

[CHT22] Liam Chen, Yousef Hannawi, and David Terman. Modeling the effect of cerebral capillary blood flow on neuronal firing. *Journal of Theoretical Biology*, 537(??):Article 111018, March 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000169`.

Chaley:2020:SMD

[CK20a] Maria Chaley and Vladimir Kutyrkin. Stochastic models for description of structural-statistical properties in DNA sequences. *Journal of Theoretical Biology*, 496 (??):Article 110126, July 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304953`.

Cressman:2020:RCT

[CK20b] Ross Cressman and Vlastimil Krivan. Reducing courtship time promotes marital bliss: the Battle of the Sexes game revisited with costs measured as time lost. *Journal of Theoretical Biology*, 503(??):Article 110382, October 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932030237X`.

Chowdhury:2021:EED

[CKB+21] Sayantan Nag Chowdhury, Srilena Kundu, Jeet Banerjee, Matjaz Perc, and Dibakar Ghosh. Eco-evolutionary dynamics of cooperation in the presence of policing. *Journal of Theoretical Biology*, 518(??):Article 110606, June 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932100028X`.

Chaplain:2020:JEM

[CKI20] Mark Chaplain, Denise Kirschner, and Yoh Iwasa. JTB Editorial: Malpractice: a case report. *Journal of Theoretical Biology*, 488(??):Article 110171, March 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300278`.

Coggan:2020:ESM

[CKM+20] Jay S. Coggan, Daniel Keller, Henry Markram, Felix Schürmann, and Pierre J. Magistretti. Excitation states of metabolic networks predict dose-response fingerprinting and ligand pulse phase signalling. *Journal of Theoretical Biology*, 487(??):Article 110123, February 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304928`.

Coggan:2022:RSI

[CKM+22] Jay S. Coggan, Daniel Keller, Henry Markram, Felix Schürmann, and Pierre J. Magistretti. Representing stimulus information in an energy metabolism pathway. *Journal of Theoretical Biology*, 540(??):Article 111090, May 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000881`.

Crawford-Kahrl:2022:GNE

[CKNCG22] Peter Crawford-Kahrl, Robert R. Nerem, Bree Cummins, and Tomas Gedeon. Genetic networks encode secrets of their past. *Journal of Theoretical Biology*, 541(??):Article 111092, May 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932200090X`.

Choi:2024:DSP

[CKTW24] Kwok Pui Choi, Gursharn Kaur, Ariadne Thompson, and Taoyang Wu. Distributions of 4-subtree patterns for uniform random unrooted phylogenetic trees. *Journal of Theoretical Biology*, 584(??):??, May 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000754`.

Chakraborty:2021:LTM

[CLD21] Jeevanjyoti Chakraborty, Jingxi Luo, and Rosemary J. Dyson. Lockhart with a twist: Modelling cellulose microfibril deposition and reorientation reveals twisting plant cell growth mechanisms. *Journal of Theoretical Biology*, 525(??):??, September 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001582`.

Carson:2022:BCM

[CLF+22] Jake Carson, Alice Ledda, Luca Ferretti, Matt Keeling, and Xavier Didelot. The bounded coalescent model: Conditioning a genealogy on a minimum root date. *Journal of Theoretical Biology*, 548(??):Article 111186, September 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001849`.

Crona:2020:ULM

[CLG20] Kristina Crona, Mengming Luo, and Devin Greene. An uncertainty law for microbial evolution. *Journal of Theoretical Biology*, 489(??):Article 110155, March 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300114`.

Cheng:2023:MXS

[CLJ+23] Ziqiang Cheng, Yinglei Lai, Kui Jin, Mengping Zhang, and Jin Wang. Modeling the XBB strain of SARS-CoV-2: Competition between variants and impact of reinfection. *Journal of Theoretical Biology*, 574(??):??, October 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002084`.

Chen:2020:MEF

[CLLL20] Zhimin Chen, Kaihui Liu, Xiuxiang Liu, and Yijun Lou. Modelling epidemics with fractional-dose vaccination in response to limited vaccine supply. *Journal of Theoretical Biology*, 486(??):Article 110085, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (elec-

tronic). URL http://www.sciencedirect.com/science/article/pii/S0022519319304540.

Cho:2023:DEC

[CLSB23] Heyrim Cho, Allison L. Lewis, Kathleen M. Storey, and Helen M. Byrne. Designing experimental conditions to use the Lotka–Volterra model to infer tumor cell line interaction types. *Journal of Theoretical Biology*, 559(??):??, February 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002251932200368X.

Cervera:2023:TFD

[CMLM23] Javier Cervera, José A. Manzanares, Michael Levin, and Salvador Mafe. Transplantation of fragments from different planaria: a bioelectrical model for head regeneration. *Journal of Theoretical Biology*, 558(??):??, February 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322003472.

Chulian:2021:DPF

[CMRMC+21] Salvador Chulián, Álvaro Martínez-Rubio, Anna Marciniak-Czochra, Thomas Stiehl, Cristina Blázquez Goñi, Juan Francisco Rodríguez Gutiérrez, Manuel Ramírez Orellana, Ana Castillo Robleda, Víctor M. Pérez-García, and María Rosa. Dynamical properties of feedback signalling in B lymphopoiesis: a mathematical modelling approach. *Journal of Theoretical Biology*, 522(??):??, August 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519321001077.

Cropp:2020:ENT

[CN20] Roger Cropp and John Norbury. The emergence of new trophic levels in eco-evolutionary models with naturally-bounded traits. *Journal of Theoretical Biology*, 496 (??):Article 110264, July 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320301193.

Cropp:2021:EEM

[CN21] Roger Cropp and John Norbury. The eco-evolutionary modelling of populations and their traits using a measure of trait differentiation. *Journal of Theoretical Biology*, 531(??):Article 110893, December 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932100312X`.

Collis:2023:LDH

[COB23] Heather L. Collis, Markus R. Owen, and Leah R. Band. Long-distance hormone transport via the phloem. *Journal of Theoretical Biology*, 562(??):??, April 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000115`.

Cohen:2020:FDM

[Coh20] Noy Cohen. Force distribution and multi-scale mechanics in smooth muscle tissues. *Journal of Theoretical Biology*, 491(??):Article 110188, April 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300448`.

Cortez:2021:USA

[Cor21] Michael H. Cortez. Using sensitivity analysis to identify factors promoting higher versus lower infection prevalence in multi-host communities. *Journal of Theoretical Biology*, 526(??):Article 110766, October 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001880`. See corrigendum [Cor22].

Cortez:2022:CUS

[Cor22] Michael H. Cortez. Corrigendum to "Using sensitivity analysis to identify factors promoting higher versus lower infection prevalence in multi-host communities" [J. Theor. Biol. **526** (2021) 110766]. *Journal of Theoretical Biology*, 534(??):Article 110959, February 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003799`. See [Cor21].

Chitpin:2023:MCU

[CP23] Justin G. Chitpin and Theodore J. Perkins. A Markov constraint to uniquely identify elementary flux mode weights in unimolecular metabolic networks. *Journal of Theoretical Biology*, 575(??):??, November 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002291`.

Colman:2023:ARS

[CPEK23] Ewan Colman, Gavrila A. Puspitarani, Jessica Enright, and Rowland R. Kao. Ascertainment rate of SARS-CoV-2 infections from healthcare and community testing in the UK. *Journal of Theoretical Biology*, 558(??):??, February 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003241`.

Carrera-Pineyro:2020:CAV

[CPHL+20] Daniel Carrera-Pineyro, Harley Hanes, Adam Litzler, Andrea McCormack, Josean Velazquez-Molina, Anuj Mubayi, Karen Ríos-Soto, and Christopher Kribs. Cost analysis of vaccination in tick-mouse transmission of Lyme disease. *Journal of Theoretical Biology*, 494(??):Article 110245, June 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301004`.

Coletti:2021:MEI

[CPM21] Roberta Coletti, Andrea Pugliese, and Luca Marchetti. Modeling the effect of immunotherapies on human castration-resistant prostate cancer. *Journal of Theoretical Biology*, 509(??):Article 110500, January 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303556`.

Chekroun:2022:TEO

[CPMF+22] Abdennasser Chekroun, Laurent Pujo-Menjouet, Steve Falcoz, Kamyine Tsuen, Kevin Yueh-Hsun Yang, and Jean-Philippe Berteau. Theoretical evidence of osteoblast self-inhibition after activation of the genetic regulatory network controlling mineralization. *Journal of Theoretical*

Biology, 537(??):Article 111005, March 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000030`.

Couto:2020:GRP

[CPS20] Marta C. Couto, Jorge M. Pacheco, and Francisco C. Santos. Governance of risky public goods under graduated punishment. *Journal of Theoretical Biology*, 505 (??):Article 110423, November 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302782`.

Cope:2020:IRT

[CR20] Robert C. Cope and Joshua V. Ross. Identification of the relative timing of infectiousness and symptom onset for outbreak control. *Journal of Theoretical Biology*, 486(??):Article 110079, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304485`.

Capello:2022:SHA

[CRDD22] Manuela Capello, Jonathan Rault, Jean-Louis Deneubourg, and Laurent Dagorn. Schooling in habitats with aggregative sites: the case of tropical tuna and floating objects. *Journal of Theoretical Biology*, 547(??):Article 111163, August 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001618`.

Creswell:2023:BNM

[CRG+23] Richard Creswell, Martin Robinson, David Gavaghan, Kris V. Parag, Chon Lok Lei, and Ben Lambert. A Bayesian nonparametric method for detecting rapid changes in disease transmission. *Journal of Theoretical Biology*, 558(??):??, February 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003423`.

Capo-Rangel:2020:MPC

[CRGGSC20] G. Capo-Rangel, L. Gerardo-Giorda, E. Somersalo, and D. Calvetti. Metabolism plays a central role in the cortical spreading depression: Evidence from a mathematical model. *Journal of Theoretical Biology*, 486(??):Article 110093, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251931930462X`.

Cruz-Rosas:2020:MSK

[CRRRP+20] Hugo I. Cruz-Rosas, Francisco Riquelme, Alejandra Ramírez-Padrón, Thomas Buhse, Germinal Cocho, and Pedro Miramontes. Molecular shape as a key source of prebiotic information. *Journal of Theoretical Biology*, 499(??):Article 110316, August 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301715`.

Choi:2020:OSV

[CS20] Wongyeong Choi and Eunha Shim. Optimal strategies for vaccination and social distancing in a game-theoretic epidemiologic model. *Journal of Theoretical Biology*, 505 (??):Article 110422, November 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302770`.

Choi:2021:OSS

[CS21] Wongyeong Choi and Eunha Shim. Optimal strategies for social distancing and testing to control COVID-19. *Journal of Theoretical Biology*, 512(??):Article 110568, March 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320304239`.

Czaran:2022:WSH

[CS22] Tamás Czárán and István Scheuring. Weak selection helps cheap but harms expensive cooperation in spatial threshold dilemmas. *Journal of Theoretical Biology*, 536(??):Article 110995, March 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932100415X`.

Cavallo:2020:DDO

[CSF20] James C. Cavallo, Steffen Scholpp, and Mark B. Flegg. Delay-driven oscillations via Axin2 feedback in the Wnt/β-catenin signalling pathway. *Journal of Theoretical Biology*, 507(??):Article 110458, December 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303131`.

Cao:2020:EPG

[CSHH20] Xiulei Cao, Zilong Song, Tzyy-Leng Horng, and Huaxiong Huang. Electric potential generation of electrocytes: Modelling, analysis, and computation. *Journal of Theoretical Biology*, 487(??):Article 110107, February 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251931930476X`.

Colombi:2021:HID

[CSP21] Annachiara Colombi, Marco Scianna, and Luigi Preziosi. A hybrid integro-differential model for the early development of the zebrafish posterior lateral line. *Journal of Theoretical Biology*, 514(??):Article 110578, April 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320304331`.

Crowley:2022:RCW

[CT22] Philip H. Crowley and Cédric Tentelier. Resolving conflict over within-pair mating rate in external fertilizers. *Journal of Theoretical Biology*, 532(??):Article 110926, January 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003453`.

Coton:2022:EEL

[CTL+22] Charlotte Coton, Grégoire Talbot, Maud Le Louarn, Christine Dillmann, and Dominique de Vienne. Evolution of enzyme levels in metabolic pathways: a theoretical approach. Part 1. *Journal of Theoretical Biology*, 538(??):Article 111015, April 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S0022519322000133.

Chen:2023:APS

[CWF23] Alex Chen, Timothy Wessler, and M. Gregory Forest. Antibody protection from SARS-CoV-2 respiratory tract exposure and infection. *Journal of Theoretical Biology*, 557(??):??, January 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322003253.

Cho:2020:SDD

[CWL20] Heyrim Cho, Zuping Wang, and Doron Levy. Study of dose-dependent combination immunotherapy using engineered T cells and IL-2 in cervical cancer. *Journal of Theoretical Biology*, 505(??):Article 110403, November 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320302587.

Clifton:2021:TCV

[CWR21] Sara M. Clifton, Rachel J. Whitaker, and Zoi Rapti. Temperate and chronic virus competition leads to low lysogen frequency. *Journal of Theoretical Biology*, 523(??):??, August 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519321001326.

Cueno:2023:SPS

[CWT+23] Marni E. Cueno, Kanta Wada, Arisa Tsuji, Kouta Ishikawa, and Kenichi Imai. Structural patterns of SARS-CoV-2 variants of concern (alpha, beta, gamma, delta) spike protein are influenced by variant-specific amino acid mutations: a computational study with implications on viral evolution. *Journal of Theoretical Biology*, 558(??):??, February 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322003678.

Chen:2022:EDZ

[CWW22] Fang Chen, Te Wu, and Long Wang. Evolutionary dynamics of zero-determinant strategies in repeated multiplayer games. *Journal of Theoretical Biology*, 549

(??):Article 111209, September 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002077`.

Cai:2021:MEC

[CZN+21] Yongli Cai, Shi Zhao, Yun Niu, Zhihang Peng, Kai Wang, Daihai He, and Weiming Wang. Modelling the effects of the contaminated environments on tuberculosis in Jiangsu, China. *Journal of Theoretical Biology*, 508(??):Article 110453, January 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303088`.

DAgata:2020:CDS

[D'A20a] Antonio D'Agata. Corrigendum to 'Dynamics of spatially dispersed population under ideal free distribution' [Journal of Theoretical Biology **486** (2020) 110071]. *Journal of Theoretical Biology*, 487(??):Article 110116, February 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304850`. See [D'A20b].

DAgata:2020:DSD

[D'A20b] Antonio D'Agata. Dynamics of spatially dispersed population under ideal free distribution. *Journal of Theoretical Biology*, 486(??):Article 110071, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304400`. See corrigendum [D'A20a].

Dangerfield:2023:GMM

[DAB+23] Ciara E. Dangerfield, I. David Abrahams, Chris Budd, Matt Butchers, Michael E. Cates, Alan R. Champneys, Christine S. M. Currie, Jessica Enright, Julia R. Gog, Alain Goriely, T. Déirdre Hollingsworth, Rebecca B. Hoyle, INI Professional Services, Valerie Isham, Joanna Jordan, Maha H. Kaouri, Kostas Kavoussanakis, Jane Leeks, Philip K. Maini, Christie Marr, Clare Merritt, Denis Mollison, Surajit Ray, Robin N. Thompson, Alexandra Wakefield, and Dawn Wasley. Getting the most out of maths: How to coordinate mathematical modelling research to support a pandemic, lessons learnt from three initiatives that were part of the COVID-19 response

in the UK. *Journal of Theoretical Biology*, 557(??):??, January 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932200323X`.

Dalton:2022:HEB

[Dal22] Dave Dalton. How evolutionary biology can explain why human and a few marine mammal females are the only ones that are menopausal. *Journal of Theoretical Biology*, 543(??):Article 111123, June 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001217`.

Prado:2020:NMD

[dAPdBMTS20] Carlos Henrique Britto de Assis Prado, Dilma Maria de Brito Melo Trovão, and João Paulo Souza. A network model for determining decomposition, topology, and properties of the woody crown. *Journal of Theoretical Biology*, 499(??):Article 110318, August 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301739`.

Das:2022:PSB

[DB22a] Soutrick Das and Debashis Barik. Pulsatile signaling of bistable switches reveal the distinct nature of pulse processing by mutual activation and mutual inhibition loop. *Journal of Theoretical Biology*, 540(??):Article 111075, May 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932200073X`.

Diekman:2022:BLC

[DB22b] Casey O. Diekman and Amitabha Bose. Beyond the limits of circadian entrainment: Non-24-h sleep–wake disorder, shift work, and social jet lag. *Journal of Theoretical Biology*, 545(??):Article 111148, July 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001461`.

Deb:2023:ETP

[DBD23] Smita Deb, Subhendu Bhandary, and Partha Sharathi Dutta. Evading tipping points in socio-mutualistic networks via structure mediated optimal strategy. *Journal of Theoretical Biology*, 567(??):??, June 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000905`.

Delamonica:2023:CBM

[DBS23] Brenda Delamonica, Gábor Balázsi, and Michael Shub. Cusp bifurcation in a metastatic regulatory network. *Journal of Theoretical Biology*, 575(??):??, November 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002278`.

Daegling:2021:ESS

[DBTI21] David J. Daegling, Henna D. Bhramdat, and Viviana Toro-Ibacache. Efficacy of shear strain gradients as an osteogenic stimulus. *Journal of Theoretical Biology*, 524(??):??, September 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001521`.

Duran:2022:MIR

[DBW22] Cecilia Duran, Manuel Barcenas, and Qixuan Wang. Modeling of ionizing radiation induced hair follicle regenerative dynamics. *Journal of Theoretical Biology*, 555 (??):Article 111283, December 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002740`.

dePillis:2023:MMW

[dCC+23] Lisette dePillis, Rebecca Caffrey, Ge Chen, Mark D. Dela, Leif Eldevik, Joseph McConnell, Shahrokh Shabahang, and Stephen A. Varvel. A mathematical model of the within-host kinetics of SARS-CoV-2 neutralizing antibodies following COVID-19 vaccination. *Journal of Theoretical Biology*, 556(??):??, January 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S0022519322002715.

Docken:2023:RDE

[DCL23] Steffen S. Docken, Colleen E. Clancy, and Timothy J. Lewis. Rate-dependent effects of state-specific sodium channel blockers in cardiac tissue: Insights from idealized models. *Journal of Theoretical Biology*, 573(??):??, September 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519323001923.

Detmer:2022:FCD

[DCP+22] A. Raine Detmer, Ross Cunning, Ferdinand Pfab, Alexandra L. Brown, Adrian C. Stier, Roger M. Nisbet, and Holly V. Moeller. Fertilization by coral-dwelling fish promotes coral growth but can exacerbate bleaching response. *Journal of Theoretical Biology*, 541(??):Article 111087, May 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322000856.

Diabate:2020:PET

[DCS20] Modibo Diabaté, Loren Coquille, and Adeline Samson. Parameter estimation and treatment optimization in a stochastic model for immunotherapy of cancer. *Journal of Theoretical Biology*, 502(??):Article 110359, October 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320302149.

delValleRafo:2021:DDM

[dDA21] María del Valle Rafo, Juan Pablo Di Mauro, and Juan Pablo Aparicio. Disease dynamics and mean field models for clustered networks. *Journal of Theoretical Biology*, 526 (??):Article 110554, October 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320304094.

Djidjou-Demasse:2022:UDP

[DDDMT22] Ramsès Djidjou-Demasse, Arnaud Ducrot, Nicole Mideo, and Gaëtan Texier. Understanding dynamics of *Plasmod-*

ium falciparum gametocytes production: Insightsl from an age-structured model. *Journal of Theoretical Biology*, 539(??):Article 111056, April 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000546`.

Dupin:2023:PCA

[DEM+23] Isabelle Dupin, Edmée Eyraud, Élise Maurat, Jean-Marc Sac-Épée, and Pierre Vallois. Probabilistic cellular automata modelling of intercellular interactions in airways: complex pattern formation in patients with chronic obstructive pulmonary disease. *Journal of Theoretical Biology*, 564(??):??, May 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000449`.

Descary:2022:EBR

[DF22] Marie-Hélène Descary and Sorana Froda. Estimating the basic reproduction number from noisy daily data. *Journal of Theoretical Biology*, 549(??):Article 111210, September 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002089`.

Ladron-de-Guevara:2022:PPM

[dGSNK22] Antonio Ladrón de Guevara, Jessica K. Shang, Maiken Nedergaard, and Douglas H. Kelley. Perivascular pumping in the mouse brain: Improved boundary conditions reconcile theory, simulation, and experiment. *Journal of Theoretical Biology*, 542(??):Article 111103, June 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001011`.

Doro:2022:FTQ

[DH22] Stephen Doro and Matthew A. Herman. On the Fourier transform of a quantitative trait: Implications for compressive sensing. *Journal of Theoretical Biology*, 540 (??):Article 110985, May 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321004057`.

Duchen:2020:LMM

[DHLS20] Pablo Duchen, Sophie Hautphenne, Laurent Lehmann, and Nicolas Salamin. Linking micro and macroevolution in the presence of migration. *Journal of Theoretical Biology*, 486(??):Article 110087, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304564`.

DiGiulio:2020:CAE

[Di 20] Massimo Di Giulio. Common ancestry of eukaryotes and *Asgardarchaeota*: Three, two or more cellular domains of life? *Journal of Theoretical Biology*, 486(??):Article 110083, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304527`.

DiGiulio:2021:OGC

[Di 21] Massimo Di Giulio. The origin of the genetic code and origin of ideas. *Journal of Theoretical Biology*, 516(??):Article 110615, May 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000370`.

Duan:2022:HMM

[DJ22] Moran Duan and Zhen Jin. The heterogeneous mixing model of COVID-19 with interventions. *Journal of Theoretical Biology*, 553(??):Article 111258, November 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002508`.

deJong:2020:MFH

[dJHP20] T. G. de Jong, J. Hulshof, and G. Prokert. Modelling fungal hypha tip growth via viscous sheet approximation. *Journal of Theoretical Biology*, 492(??):Article 110189, May 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932030045X`.

deKemmeter:2022:SSH

[dKCA22] Jean-François de Kemmeter, Timoteo Carletti, and Malbor Asllani. Self-segregation in heterogeneous metapopulation landscapes. *Journal of Theoretical Biology*, 554 (??):Article 111271, December 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002624`.

Dufek:2024:EDD

[DKSP24] Grant Dufek, Guy Katriel, Sagi Snir, and Matteo Pellegrini. Exponential dynamics of DNA methylation with age. *Journal of Theoretical Biology*, 579(??):??, February 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002941`.

deLeon:2021:PBM

[dLFO21] Marco A. Avila Ponce de León, Bryan Félix, and Hans G. Othmer. A phosphoinositide-based model of actin waves in frustrated phagocytosis. *Journal of Theoretical Biology*, 527(??):Article 110764, October 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001867`.

Donovan:2020:PPS

[DLN20] Graham M. Donovan, David Langton, and Peter B. Noble. Phenotype- and patient-specific modelling in asthma: Bronchial thermoplasty and uncertainty quantification. *Journal of Theoretical Biology*, 501(??):Article 110337, September 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301922`.

Diouf:2021:CCA

[DMAC21] Abdoulaye Diouf, Houda Mokrani, Evans Afenya, and Baba Issa Camara. Computation of the conditions for anti-angiogenesis and gene therapy synergistic effects: Sensitivity analysis and robustness of target solutions. *Journal of Theoretical Biology*, 528(??):Article 110850, November 7, 2021.

CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002691`.

Dague:2024:TQT

[DMPIG24] Philippe Dague, Laurent Muller, Loïc Paulevé, and Marc Irigoin-Guichandut. Towards a qualitative theory of the interruption of eating behavior change. *Journal of Theoretical Biology*, 581(??):??, March 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000122`.

Quintela:2022:TAS

[dMQHRGA+22] Bárbara de Melo Quintela, Silvia Hervas-Raluy, Jose Manuel Garcia-Aznar, Dawn Walker, Kenneth Y. Wertheim, and Marco Viceconti. A theoretical analysis of the scale separation in a model to predict solid tumour growth. *Journal of Theoretical Biology*, 547(??):Article 111173, August 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001710`.

Denes:2021:GAC

[DMR21] Attila Dénes, Sadegh Marzban, and Gergely Röst. Global analysis of a cancer model with drug resistance due to Lamarckian induction and microvesicle transfer. *Journal of Theoretical Biology*, 527(??):Article 110812, October 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002319`.

Denysova:2022:CAO

[DN22] Olga Denysova and Johannes M. Nitsche. Conclusions about osmotically inactive volume and osmotic fragility from a detailed erythrocyte model. *Journal of Theoretical Biology*, 539(??):Article 110982, April 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321004021`.

Gaetano:2024:SLM

[DNK+24] Andrea De Gaetano, Ilona Nagy, Daniel Kiss, Valery G. Romanovski, and Thomas A. Hardy. A simplified longitudinal model for the development of Type 2 diabetes mellitus. *Journal of Theoretical Biology*, 587(??):??, June 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324001036`.

Domogo:2021:PSP

[DO21] Andrei A. Domogo and Johnny T. Ottesen. Patient-specific parameter estimation: Coupling a heart model and experimental data. *Journal of Theoretical Biology*, 526(??):Article 110791, October 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002101`.

Donovan:2023:PTB

[Don23] Graham M. Donovan. Pillars of theoretical biology: Airway stability and heterogeneity in the constricted lung. *Journal of Theoretical Biology*, 575(??):??, November 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002254`.

Deeley:2022:PIP

[DP22] Bradly Deeley and Natalia Petrovskaya. Propagation of invasive plant species in the presence of a road. *Journal of Theoretical Biology*, 548(??):Article 111196, September 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001941`.

Diaz-Pachon:2021:SCC

[DPR21] Daniel Andrés Díaz-Pachón and J. Sunil Rao. A simple correction for COVID-19 sampling bias. *Journal of Theoretical Biology*, 512(??):Article 110556, March 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320304112`.

Deyranlou:2023:EDA

[DRK23] Amin Deyranlou, Alistair Revell, and Amir Keshmiri. Exergy destruction in atrial fibrillation and a new 'Exergy Age Index'. *Journal of Theoretical Biology*, 575(??):??, November 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002205`.

Domogo:2023:MMM

[DRO23] Andrei A. Domogo, Peter Reinstrup, and Johnny T. Ottesen. Mechanistic-mathematical modeling of intracranial pressure (ICP) profiles over a single heart cycle. The fundament of the ICP curve form. *Journal of Theoretical Biology*, 564(??): ??, May 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000474`.

DeGaetano:2021:MCG

[DSB+21] Andrea De Gaetano, Sasikarn Sakulrang, Alessandro Borri, Dario Pitocco, Surattana Sungnul, and Elvin J. Moore. Modeling continuous glucose monitoring with fractional differential equations subject to shocks. *Journal of Theoretical Biology*, 526(??):Article 110776, October 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001983`.

Dela:2022:MMG

[DSdP22] An Dela, Blerta Shtylla, and Lisette de Pillis. Multi-method global sensitivity analysis of mathematical models. *Journal of Theoretical Biology*, 546(??):Article 111159, August 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001576`.

Dodd:2023:MMM

[DSM+23] Josie Dodd, Peter K. Sweby, Sean Mayes, Erik H. Murchie, Asha S. Karunaratne, Festo Massawe, and Marcus J. Tindall. A multiscale mathematical model describing the growth and development of bambara groundnut. *Journal of Theoretical Biology*, 560(??):??, March 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (elec-

tronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322003642.

Deng:2024:LIP

[DTLS24] Jie Deng, Washington Taylor, Simon A. Levin, and Serguei Saavedra. On the limits to invasion prediction using coexistence outcomes. *Journal of Theoretical Biology*, 577(??):??, January 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519323002710.

Deng:2021:JIM

[DTS21] Jiawei Deng, Sanyi Tang, and Hongying Shu. Joint impacts of media, vaccination and treatment on an epidemic Filippov model with application to COVID-19. *Journal of Theoretical Biology*, 523(??):??, August 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002251932100120X.

Rafo:2020:SEN

[dVRA20] María del Valle Rafo and Juan Pablo Aparicio. Simple epidemic network model for highly heterogeneous populations. *Journal of Theoretical Biology*, 486(??):Article 110056, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519319304254.

Dokukina:2021:CDI

[DYS+21] Irina V. Dokukina, Mikhail V. Yamashev, Ekaterina A. Samarina, Oksana M. Tilinova, and Eugene A. Grachev. Calcium-dependent insulin resistance in hepatocytes: mathematical model. *Journal of Theoretical Biology*, 522(??):??, August 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519321001065.

Eftimie:2021:MII

[EB21] Raluca Eftimie and Charlotte Barelle. Mathematical investigation of innate immune responses to lung cancer: the role of macrophages with mixed phenotypes. *Journal of Theoretical Biology*, 524(??):??, September 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (elec-

tronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001612`.

ElKhalifi:2024:SEI

[EB24] Mohamed El Khalifi and Tom Britton. SIRS epidemics with individual heterogeneity of immunity waning. *Journal of Theoretical Biology*, 587(??):??, June 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000961`.

Ecoffet:2021:NBD

[EBA21] Paul Ecoffet, Nicolas Bredeche, and Jean-Baptiste André. Nothing better to do? Environment quality and the evolution of cooperation by partner choice. *Journal of Theoretical Biology*, 527(??):Article 110805, October 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002241`.

Ewing:2021:PBS

[EBK21] David A. Ewing, Vivian Blok, and Helen Kettle. A process-based, stage-structured model of potato cyst nematode population dynamics: Effects of temperature and resistance. *Journal of Theoretical Biology*, 522(??):??, August 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001235`.

Etienne:2020:CEB

[ECBR20] Thibault A. Etienne, Muriel Cocaign-Bousquet, and Delphine Ropers. Competitive effects in bacterial mRNA decay. *Journal of Theoretical Biology*, 504(??):Article 110333, November 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301880`.

Escosio:2023:MBS

[ECH+23] Rey Audie S. Escosio, Olive R. Cawiding, Bryan S. Hernandez, Renier G. Mendoza, Victoria May P. Mendoza, Rhudaina Z. Mohammad, Carlene P. C. Pilar-Arceo, Pamela Kim N. Salonga, Fatima Lois E. Suarez, Polly W. Sy, Thomas Herald M. Vergara, and Aurelio A. de los

Reyes. A model-based strategy for the COVID-19 vaccine roll-out in the Philippines. *Journal of Theoretical Biology*, 573(??):??, September 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001935`.

ElHajj:2023:EPI

[EE23] W. El Hajj and N. El Khatib. Effect of permeability on the initiation of Atherosclerosis modeled as an inflammatory process. *Journal of Theoretical Biology*, 564(??):??, May 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000577`.

Esmaeili:2021:DDR

[EHA+21] Shadisadat Esmaeili, Alan Hastings, Karen Abbott, Jonathan Machta, and Vahini Reddy Nareddy. Density dependent Resource Budget Model for alternate bearing. *Journal of Theoretical Biology*, 509(??):Article 110498, January 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303532`.

Engelhard:2021:MMG

[EHP+21] Cesar A. Gonzalez Engelhard, Allison P. Hodgkins, Essence E. Pearl, Paul K. Spears, Jan Rychtář, and Dewey Taylor. A mathematical model of Guinea worm disease in Chad with fish as intermediate transport hosts. *Journal of Theoretical Biology*, 521(??):??, July 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001053`.

Ei:2021:ENK

[EIK+21] Shin-Ichiro Ei, Hiroshi Ishii, Shigeru Kondo, Takashi Miura, and Yoshitaro Tanaka. Effective nonlocal kernels on reaction–diffusion networks. *Journal of Theoretical Biology*, 509(??):Article 110496, January 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303519`.

Esteve:2021:FDS

[ELRG21] Jorge Esteve, Matheo López, Carlos-Guillermo Ramírez, and Iván Gómez. Fluid dynamic simulation suggests hopping locomotion in the Ordovician trilobite *Placoparia*. *Journal of Theoretical Biology*, 531(??):Article 110916, December 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003350`.

Eksin:2021:RON

[ENMW21] Ceyhun Eksin, Martial Ndeffo-Mbah, and Joshua S. Weitz. Reacting to outbreaks at neighboring localities. *Journal of Theoretical Biology*, 520(??):??, July 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000540`.

Ellis:2020:CSD

[EP20] John R. Ellis and Natalia B. Petrovskaya. A computational study of density-dependent individual movement and the formation of population clusters in two-dimensional spatial domains. *Journal of Theoretical Biology*, 505 (??):Article 110421, November 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302769`.

Emami:2020:CPA

[EPF20] Neda Emami, Parvin Samadi Pakchin, and Reza Ferdousi. Computational predictive approaches for interaction and structure of aptamers. *Journal of Theoretical Biology*, 497(??):Article 110268, July 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301235`.

Eigentler:2020:SSO

[ES20] L. Eigentler and J. A. Sherratt. Spatial self-organisation enables species coexistence in a model for savanna ecosystems. *Journal of Theoretical Biology*, 487(??):Article 110122, February 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304916`.

Eilertsen:2024:UET

[ESW24] Justin Eilertsen, Santiago Schnell, and Sebastian Walcher. The unreasonable effectiveness of the total quasi-steady state approximation, and its limitations. *Journal of Theoretical Biology*, 583(??):??, April 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000511`.

Eastman:2020:EPP

[EWK20] Brydon Eastman, Dominik Wodarz, and Mohammad Kohandel. The effects of phenotypic plasticity on the fixation probability of mutant cancer stem cells. *Journal of Theoretical Biology*, 503(??):Article 110384, October 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302393`.

Ekanayake:2023:EPM

[EWS23] E. M. E. K. Ekanayake, J. Angus Webb, and Michael J. Stewardson. The effect of population model choice and network topologies on extinction time patterns in dendritic ecological networks. *Journal of Theoretical Biology*, 556(??):??, January 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003058`.

Fischer:2023:TGT

[FB23] Matthias M. Fischer and Nils Blüthgen. On tumoural growth and treatment under cellular dedifferentiation. *Journal of Theoretical Biology*, 557(??):??, January 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003186`.

Fischer:2024:MTG

[FB24] Matthias M. Fischer and Nils Blüthgen. On minimising tumoural growth under treatment resistance. *Journal of Theoretical Biology*, 579(??):??, February 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323003132`.

Farahbakhsh:2021:BRD

[FBA21] Isaiah Farahbakhsh, Chris T. Bauch, and Madhur Anand. Best response dynamics improve sustainability and equity outcomes in common-pool resources problems, compared to imitation dynamics. *Journal of Theoretical Biology*, 509(??):Article 110476, January 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303313`.

Fotinos:2023:EDT

[FBC23] J. Fotinós, L. Barberis, and C. A. Condat. Effects of a differentiating therapy on cancer-stem-cell-driven tumors. *Journal of Theoretical Biology*, 572(??):??, September 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001601`.

Fraboul:2023:ASC

[FBD23] Jules Fraboul, Giulio Biroli, and Silvia De Monte. Artificial selection of communities drives the emergence of structured interactions. *Journal of Theoretical Biology*, 571(??):??, August 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001546`.

Ferdousi:2020:NWW

[FBJR20] M. Ferdousi, T. Babaie-Janvier, and P. A. Robinson. Nonlinear wave-wave interactions in the brain. *Journal of Theoretical Biology*, 500(??):Article 110308, September 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301636`.

Fiandaca:2022:PSM

[FBSD22] Giada Fiandaca, Sara Bernardi, Marco Scianna, and Marcello Edoardo Delitala. A phenotype-structured model to reproduce the avascular growth of a tumor and its interaction with the surrounding environment. *Journal of Theoretical Biology*, 535(??):Article 110980, February 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321004008`.

Fouedji:2024:MLP

[FET+24] Chenceline Fouedji, Armand Sylvin Etémé, Conrad Bertrand Tabi, Henri Paul Ekobena Fouda, and Timoléon Crépin Kofané. Multisolitons-like patterns in a one-dimensional MARCKS protein cyclic model. *Journal of Theoretical Biology*, 579(??):??, February 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002990`.

Flores:2021:SBP

[FFAV21] Lucas S. Flores, Heitor C. M. Fernandes, Marco A. Amaral, and Mendeli H. Vainstein. Symbiotic behaviour in the public goods game with altruistic punishment. *Journal of Theoretical Biology*, 524(??):??, September 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001594`.

Flores-Ferrer:2021:EGD

[FFNG+21] Alheli Flores-Ferrer, Anne Nguyen, Sylvain Glémin, Jean-Marc Deragon, Olivier Panaud, and Sébastien Gourbière. The ecology of the genome and the dynamics of the biological dark matter. *Journal of Theoretical Biology*, 518(??):Article 110641, June 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000631`.

Farina:2022:MVA

[FFR22] Angiolo Farina, Antonio Fasano, and Fabio Rosso. Modeling of vasomotion in arterioles. *Journal of Theoretical Biology*, 544(??):Article 111124, July 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001229`.

Farina:2023:TMF

[FFR23] Angiolo Farina, Antonio Fasano, and Fabio Rosso. A theoretical model for the Fåhræus effect in medium-large microvessels. *Journal of Theoretical Biology*, 558(??):??, February 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print),

1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003460`.

Fan:2021:VMC

[FG21] Ruili Fan and Stefan A. H. Geritz. Virulence management: Closing the feedback loop between healthcare interventions and virulence evolution. *Journal of Theoretical Biology*, 531(??):Article 110900, December 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003192`.

Fan:2022:MOH

[FG22] Ruili Fan and Stefan A. H. Geritz. Modelling and optimising healthcare interventions in a model with explicit within- and between-host dynamics. *Journal of Theoretical Biology*, 554(??):Article 111276, December 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002673`.

Fan:2023:EPC

[FG23] Ruili Fan and Stefan A. H. Geritz. Evolution of pathogens with cross-immunity in response to healthcare interventions. *Journal of Theoretical Biology*, 572(??):??, September 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001728`.

Fotso:2024:MLM

[FGA+24] Christian Tayou Fotso, Simon Girel, Fabienne Anjuère, Véronique M. Braud, Florence Hubert, and Thierry Goudon. A mixture-like model for tumor-immune system interactions. *Journal of Theoretical Biology*, 581(??):??, March 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000195`.

Fung:2024:LTE

[FGC24] Tak Fung, Jonah Goh, and Ryan A. Chisholm. Long-term effects of non-pharmaceutical interventions on total disease burden in parsimonious epidemiological models. *Journal of Theoretical Biology*, 587(??):??, June 21, 2024. CO-

DEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000985`.

Febvre:2024:TPE

[FGES24] Camille Febvre, Colin Goldblatt, and Rana El-Sabaawi. Thermal performance of ecosystems: Modeling how physiological responses to temperature scale up in communities. *Journal of Theoretical Biology*, 585(??):??, May 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000730`.

Farmer:2023:MMC

[FH23] Adam Farmer and Paul J. Harris. A mathematical model of cell movement and clustering due to chemotaxis. *Journal of Theoretical Biology*, 575(??):??, November 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002436`.

Flaig:2020:CEP

[FHM20] Julien Flaig, Nicolas Houy, and Philippe Michel. Cost effectiveness and policy announcement: the case of measles mandatory vaccination. *Journal of Theoretical Biology*, 485(??):Article 110028, January 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319303984`.

Fischer-Holzhausen:2022:HRO

[FHR22] Sophie Fischer-Holzhausen and Susanna Röblitz. Hormonal regulation of ovarian follicle growth in humans: Model-based exploration of cycle variability and parameter sensitivities. *Journal of Theoretical Biology*, 547(??):Article 111150, August 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001485`.

Fujita:2020:SRR

[FHTK20] Hironori Fujita, Mika Hayashi-Tsugane, and Masayoshi Kawaguchi. Spatial regulation of resource allocation in response to nutritional availability. *Journal of Theoretical*

Biology, 486(??):Article 110078, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304473`.

FitzGerald:2021:PMR

[FK21] Cody E. FitzGerald and James P. Keener. The PafBC-mediated response sensitizes a bistable DNA damage response in *Mycobacteria*. *Journal of Theoretical Biology*, 508(??):Article 110462, January 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303179`.

Frank:2021:BSA

[FLR+21] Anna S. Frank, Kamila Larripa, Hwayeon Ryu, Ryan G. Snodgrass, and Susanna Röblitz. Bifurcation and sensitivity analysis reveal key drivers of multistability in a model of macrophage polarization. *Journal of Theoretical Biology*, 509(??):Article 110511, January 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303660`.

Flandoli:2023:MMC

[FLR23] Franco Flandoli, Marta Leocata, and Cristiano Ricci. The mathematical modeling of cancer growth and angiogenesis by an individual based interacting system. *Journal of Theoretical Biology*, 562(??):??, April 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000280`.

Frank:2023:MPT

[FLRR23] Anna-Simone Josefine Frank, Kamila Larripa, Hwayeon Ryu, and Susanna Röblitz. Macrophage phenotype transitions in a stochastic gene-regulatory network model. *Journal of Theoretical Biology*, 575(??):??, November 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932300231X`.

Fahimi:2023:SMP

[FMO23] Peyman Fahimi, Chérif F. Matta, and Jordan G. Okie. Are size and mitochondrial power of cells inter-determined? *Journal of Theoretical Biology*, 572(??):??, September 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001625`.

Foroutannia:2021:CMF

[FNGJ21] Ali Foroutannia, Fahimeh Nazarimehr, Mahdieh Ghasemi, and Sajad Jafari. Chaos in memory function of sleep: a nonlinear dynamical analysis in thalamocortical study. *Journal of Theoretical Biology*, 528(??):Article 110837, November 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002563`.

Fagundes:2021:RMF

[FOY21] Tadeu M. Fagundes, Juan C. Ordonez, and Neda Yaghoobian. The role of mound functions and local environment in the diversity of termite mound structures. *Journal of Theoretical Biology*, 527(??):Article 110823, October 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002423`.

Fernandez-Peralta:2021:SMC

[FPGC21] R. Fernández-Peralta and A. Gómez-Corral. A structured Markov chain model to investigate the effects of pre-exposure vaccines in tuberculosis control. *Journal of Theoretical Biology*, 509(??):Article 110490, January 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303453`.

Fang:2020:SMP

[FPX20] Yinhai Fang, Matjaz Perc, and Haiyan Xu. The Singaporean model in public goods dilemmas with benevolent leaders and bribery. *Journal of Theoretical Biology*, 501(??):Article 110345, September 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302009`.

Frascoli:2022:DRD

[FRMK22] Federico Frascoli, Izanne Roos, Charles B. Malpas, and Tomas Kalincik. The dynamics of relapses during treatment switch in relapsing-remitting multiple sclerosis. *Journal of Theoretical Biology*, 541(??):Article 111091, May 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000893`.

Filar:2022:SRI

[FS22] Jerzy Filar and Sabrina Streipert. Square root identities for harvested Beverton–Holt models. *Journal of Theoretical Biology*, 549(??):Article 111199, September 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001977`.

Franssen:2021:NAC

[FSC21] Linnea C. Franssen, Nikolaos Sfakianakis, and Mark A. J. Chaplain. A novel 3D atomistic-continuum cancer invasion model: In silico simulations of an *in vitro* organotypic invasion assay. *Journal of Theoretical Biology*, 522(??):??, August 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000990`.

Forouzannia:2021:IRM

[FSK21] Farinaz Forouzannia, Vahid Shahrezaei, and Mohammad Kohandel. The impact of random microenvironmental fluctuations on tumor control probability. *Journal of Theoretical Biology*, 509(??):Article 110494, January 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303490`.

Fornari:2020:SEN

[FSKG20] Sveva Fornari, Amelie Schäfer, Ellen Kuhl, and Alain Goriely. Spatially-extended nucleation–aggregation–fragmentation models for the dynamics of prion-like neurodegenerative protein-spreading in the brain and its connectome. *Journal of Theoretical Biology*, 486(??):Article 110102, February 7,

2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304710`. See comment [GMMR22].

Frank:2021:PDR

[FSKG21] A. Frank, S. Subbey, M. Kobras, and H. Gjøsæter. Population dynamic regulators in an empirical predator–prey system. *Journal of Theoretical Biology*, 527(??):Article 110814, October 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002332`.

Farzanfar:2020:PCV

[FSNS20] Arezoo Farzanfar, Farzaneh Shayegh, Behzad Nazari, and Saeid Sadri. Physiological constraints of visual pathway lead to more efficient coding of information in retina. *Journal of Theoretical Biology*, 506(??):Article 110418, December 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302733`.

Fazli:2020:PBM

[FVB20] Mehran Fazli, Theodore Vo, and Richard Bertram. Phantom bursting may underlie electrical bursting in single pancreatic β-cells. *Journal of Theoretical Biology*, 501 (??):Article 110346, September 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302010`.

Fung:2020:PDE

[FVC20] Tak Fung, Sonali Verma, and Ryan A. Chisholm. Probability distributions of extinction times, species richness, and immigration and extinction rates in neutral ecological models. *Journal of Theoretical Biology*, 485(??):Article 110051, January 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304205`.

Fletcher:2022:NCM

[FZE22] Alvaro Fletcher, Ruonan Zhao, and German Enciso. Noncooperative mechanism for bounded and ultrasensitive chro-

matin remodeling. *Journal of Theoretical Biology*, 534 (??):Article 110946, February 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003659`.

Gardner:2023:WDH

[Gar23] Andy Gardner. W. D. Hamilton and the golden sex ratio. *Journal of Theoretical Biology*, 573(??):??, September 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001960`.

Gardner:2024:GAE

[Gar24] Andy Gardner. A geometric approach to the evolution of altruism. *Journal of Theoretical Biology*, 576(??):??, January 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002503`.

Gabriel:2023:TID

[GB23] Jean-Pierre Gabriel and Louis-Félix Bersier. Theoretical investigation of the dependence of population parameters on initial population size. *Journal of Theoretical Biology*, 568(??):??, July 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000887`.

Garcia:2020:CII

[GBF20] Victor Garcia, Sebastian Bonhoeffer, and Feng Fu. Cancer-induced immunosuppression can enable effectiveness of immunotherapy through bistability generation: a mathematical and computational examination. *Journal of Theoretical Biology*, 492(??):Article 110185, May 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300412`.

Giral-Barajas:2023:PAS

[GBHNHVL23] José Giral-Barajas, Carlos Ignacio Herrera-Nolasco, Marco Arieli Herrera-Valdez, and Sergio I. López. A probabilistic approach for the study of epidemiological dynamics of infec-

tious diseases: Basic model and properties. *Journal of Theoretical Biology*, 572(??):??, September 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932300173X`.

Ghosh:2021:RAC

[GBRM21] Aditi Ghosh, Isaac Berger, Christopher H. Remien, and Anuj Mubayi. The role of alcohol consumption on acetaminophen induced liver injury: Implications from a mathematical model. *Journal of Theoretical Biology*, 519(??):??, June 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320304148`.

Gray:2020:IAT

[GC20] Catheryn W. Gray and Adelle C. F. Coster. From insulin to Akt: Time delays and dominant processes. *Journal of Theoretical Biology*, 507(??):Article 110454, December 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932030309X`.

Guo:2020:DSI

[GCA+20] Xiaohui Guo, Jun Chen, Asma Azizi, Jennifer Fewell, and Yun Kang. Dynamics of social interactions, in the flow of information and disease spreading in social insects colonies: Effects of environmental events and spatial heterogeneity. *Journal of Theoretical Biology*, 492(??):Article 110191, May 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300461`.

Gawthrop:2020:PPM

[GCC20] Peter J. Gawthrop, Peter Cudmore, and Edmund J. Crampin. Physically-plausible modelling of biomolecular systems: a simplified, energy-based model of the mitochondrial electron transport chain. *Journal of Theoretical Biology*, 493(??):Article 110223, May 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300783`.

Garay:2023:SSA

[GCM23] József Garay, Villő Csiszár, and Tamás F. Móri. Subsistence of sib altruism in different mating systems and Haldane's arithmetic. *Journal of Theoretical Biology*, 557(??):??, January 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003216`.

Garzon:2021:DPP

[GCNZ+21] Doménica N. Garzón, Yair Castillo, M. Gabriela Navas-Zuloaga, Leah Darwin, Abigail Hardin, Nora Culik, Anji Yang, Carlos Castillo-Garsow, Karen Ríos-Soto, Leon Arriola, and Aditi Ghosh. Dynamics of prion proliferation under combined treatment of pharmacological chaperones and interferons. *Journal of Theoretical Biology*, 527(??):Article 110797, October 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002162`.

Garay:2020:WOF

[GCX+20] József Garay, Ross Cressman, Fei Xu, Mark Broom, Villő Csiszár, and Tamás F. Móri. When optimal foragers meet in a game theoretical conflict: a model of kleptoparasitism. *Journal of Theoretical Biology*, 502(??):Article 110306, October 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301612`.

Gandolfi:2021:AVC

[GDd+21] A. Gandolfi, S. De Franciscis, A. d'Onofrio, A. Fasano, and C. Sinisgalli. Angiogenesis and vessel co-option in a mathematical model of diffusive tumor growth: the role of chemotaxis. *Journal of Theoretical Biology*, 512(??):Article 110526, March 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303817`.

Gunnarsson:2020:URP

[GDLF20] Einar Bjarki Gunnarsson, Subhajyoti De, Kevin Leder, and Jasmine Foo. Understanding the role of phenotypic switching in cancer drug resistance. *Journal of Theoretical Biology*, 490(??):Article 110162, April 7, 2020. CO-

DEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320300187.

Guo:2023:HID

[GDQR23] Ting Guo, Qi Deng, Zhipeng Qiu, and Libin Rong. HIV infection dynamics and viral rebound: Modeling results from humanized mice. *Journal of Theoretical Biology*, 567(??):??, June 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519323000863.

Gomez:2022:SES

[GEHL+22] Angela Maria Gomez, J. F. Escobar-Huertas, D. L. Linero, F. P. Cardenas, and D. A. Garzón-Alvarado. Simulation of the electrical stimulation of the rat brain using sleep frequencies: a finite element modeling approach. *Journal of Theoretical Biology*, 542(??):Article 111093, June 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322000911.

Goodin:2023:EIA

[GF23] Dylan A. Goodin and Hermann B. Frieboes. Evaluation of innate and adaptive immune system interactions in the tumor microenvironment via a 3D continuum model. *Journal of Theoretical Biology*, 559(??):??, February 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322003745.

Gomes:2022:IVS

[GFC+22] M. Gabriela M. Gomes, Marcelo U. Ferreira, Rodrigo M. Corder, Jessica G. King, Caetano Souto-Maior, Carlos Penha-Gonçalves, Guilherme Gonçalves, Maria Chikina, Wesley Pegden, and Ricardo Aguas. Individual variation in susceptibility or exposure to SARS-CoV-2 lowers the herd immunity threshold. *Journal of Theoretical Biology*, 540(??):Article 111063, May 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322000613.

Ganyani:2020:IGG

[GFH20] Tapiwa Ganyani, Christel Faes, and Niel Hens. Inference of the generalized-growth model via maximum likelihood estimation: a reflection on the impact of overdispersion. *Journal of Theoretical Biology*, 484(??):Article 110029, January 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319303996`.

Gunnarsson:2023:SIR

[GFL23] Einar Bjarki Gunnarsson, Jasmine Foo, and Kevin Leder. Statistical inference of the rates of cell proliferation and phenotypic switching in cancer. *Journal of Theoretical Biology*, 568(??):??, July 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000930`.

Ghasemi:2023:PCS

[GFN23] Mahdieh Ghasemi, Ali Foroutannia, and Fatemeh Nikdelfaz. A PID controller for synchronization between master-slave neurons in fractional-order of neocortical network model. *Journal of Theoretical Biology*, 556(??):??, January 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003022`.

Glasser:2023:ASS

[GFV+23] John W. Glasser, Zhilan Feng, MyVan Vo, Jefferson N. Jones, and Kristie E. N. Clarke. Analysis of serological surveys of antibodies to SARS-CoV-2 in the United States to estimate parameters needed for transmission modeling and to evaluate and improve the accuracy of predictions. *Journal of Theoretical Biology*, 556(??):??, January 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002879`.

Gutierrez:2023:IVI

[GG23] Maria A. Gutierrez and Julia R. Gog. The importance of vaccinated individuals to population-level evolution of pathogens. *Journal of Theoretical Biology*, 567(??):??, June

21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000899`.

Goy:2021:AVT

[GGG21] Natascha Goy, Simone M. Glaser, and Christoph Grüter. The adaptive value of tandem communication in ants: Insights from an agent-based model. *Journal of Theoretical Biology*, 526(??):Article 110762, October 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001843`.

Gevertz:2021:NCE

[GGSTS21] Jana L. Gevertz, James M. Greene, Cynthia H. Sanchez-Tapia, and Eduardo D. Sontag. A novel COVID-19 epidemiological model with explicit susceptible and asymptomatic isolation compartments reveals unexpected consequences of timing social distancing. *Journal of Theoretical Biology*, 510(??):Article 110539, February 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303945`.

Ghaderi:2020:SCM

[GHA+20] Susan Ghaderi, Hulda S. Haraldsdóttir, Masoud Ahookhosh, Sylvain Arreckx, and Ronan M. T. Fleming. Structural conserved moiety splitting of a stoichiometric matrix. *Journal of Theoretical Biology*, 499(??):Article 110276, August 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301314`.

Gasior:2022:MIC

[GHB22] Kelsey Gasior, Marlene Hauck, and Sudin Bhattacharya. Modeling the influence of cell-cell contact and TGF-β signaling on the epithelial mesenchymal transition in MCF7 breast carcinoma cells. *Journal of Theoretical Biology*, 546(??):Article 111160, August 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001588`.

Grunnill:2022:CYA

[GHF22] Martin Grunnill, Ian Hall, and Thomas Finnie. Check your assumptions: Further scrutiny of basic model frameworks of antimicrobial resistance. *Journal of Theoretical Biology*, 554(??):Article 111277, December 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002685`.

Gunther:2018:BMS

[GHS18] Michael Günther, Daniel F. B. Haeufle, and Syn Schmitt. The basic mechanical structure of the skeletal muscle machinery: One model for linking microscopic and macroscopic scales. *Journal of Theoretical Biology*, 456(??):137–167, November 7, 2018. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519318303473`. See [GHS20].

Gunther:2020:CBM

[GHS20] Michael Günther, Daniel F. B. Haeufle, and Syn Schmitt. Corrigendum to "The basic mechanical structure of the skeletal muscle machinery: One model for linking microscopic and macroscopic scales" [Journal of Theoretical Biology **456** (2018) 137–167]. *Journal of Theoretical Biology*, 488(??):Article 110143, March 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319305132`. See [GHS18].

Gutierrez-Jara:2020:SOP

[GJCLMQC20] J. P. Gutiérrez-Jara, F. D. Córdova-Lepe, M. T. Muñoz-Quezada, and G. Chowell. Susceptibility to organophosphates pesticides and the development of infectious-contagious respiratory diseases. *Journal of Theoretical Biology*, 488(??):Article 110133, March 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319305028`.

Ghasemi:2020:SNO

[GJDS20] Maryam Ghasemi, Benjamin Jenkins, Andrew C. Doxey, and Sivabal Sivaloganathan. A study of nitric oxide

dynamics in a growing biofilm using a density dependent reaction–diffusion model. *Journal of Theoretical Biology*, 485(??):Article 110053, January 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304229`.

Gibo:2020:TSR

[GK20] Shingo Gibo and Gen Kurosawa. Theoretical study on the regulation of circadian rhythms by RNA methylation. *Journal of Theoretical Biology*, 490(??):Article 110140, April 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319305090`.

Giri:2021:IMB

[GK21] Amitava Giri and Sandip Kar. Incoherent modulation of bistable dynamics orchestrates the Mushroom and Isola bifurcations. *Journal of Theoretical Biology*, 530(??):Article 110882, December 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003015`.

Giverso:2023:COU

[GLLP23] Chiara Giverso, Nadia Loy, Giulio Lucci, and Luigi Preziosi. Cell orientation under stretch: a review of experimental findings and mathematical modelling. *Journal of Theoretical Biology*, 572(??):??, September 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001613`.

Gao:2022:TSM

[GMMR22] Shasha Gao, Maia Martcheva, Hongyu Miao, and Libin Rong. A two-sex model of human papillomavirus infection: Vaccination strategies and a case study. *Journal of Theoretical Biology*, 536(??):Article 111006, March 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000042`.

Giacobbi:2024:MMA

[GMR+24] Anne-Sophie Giacobbi, Leo Meyer, Magali Ribot, Romain Yvinec, Hedi Soula, and Chloe Audebert. Mathematical modeling of adipocyte size distributions: Identifiability and parameter estimation from rat data. *Journal of Theoretical Biology*, 581(??):??, March 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000286`.

Guerrero-Morin:2020:CDB

[GMS20] José G. Guerrero-Morín and Moisés Santillán. Crosstalk dynamics between the circadian clock and the mTORC1 pathway. *Journal of Theoretical Biology*, 501(??):Article 110360, September 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302150`.

Gupta:2020:PDR

[GMV+20] Ankit Gupta, Marc Manceau, Timothy Vaughan, Mustafa Khammash, and Tanja Stadler. The probability distribution of the reconstructed phylogenetic tree with occurrence data. *Journal of Theoretical Biology*, 488(??):Article 110115, March 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304849`.

Germano:2021:MMC

[GO21] Domenic P. J. Germano and James M. Osborne. A mathematical model of cell fate selection on a dynamic tissue. *Journal of Theoretical Biology*, 514(??):Article 110535, April 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303908`.

Goyal:2021:MRN

[Goy21] Ashish Goyal. Modeling reveals no direct role of the extent of HBV DNA integrations on the outcome of infection. *Journal of Theoretical Biology*, 526(??):Article 110793, October 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002125`.

Greenman:2020:CGR

[GPDW20] Chris D. Greenman, Luca Penso-Dolfin, and Taoyang Wu. The complexity of genome rearrangement combinatorics under the infinite sites model. *Journal of Theoretical Biology*, 501(??):Article 110335, September 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301909`.

Golnaraghi:2023:OFS

[GQG23] Farnaz Golnaraghi, David A. Quint, and Ajay Gopinathan. Optimal foraging strategies for mutually avoiding competitors. *Journal of Theoretical Biology*, 570(??):??, August 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001339`.

Guo:2021:MHM

[GQK+21] Ting Guo, Zhipeng Qiu, Kosaku Kitagawa, Shingo Iwami, and Libin Rong. Modeling HIV multiple infection. *Journal of Theoretical Biology*, 509(??):Article 110502, January 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932030357X`.

Gunther:2021:RNF

[GRW+21] Michael Günther, Robert Rockenfeller, Tom Weihmann, Daniel F. B. Haeufle, Thomas Götz, and Syn Schmitt. Rules of nature's *Formula Run*: Muscle mechanics during late stance is the key to explaining maximum running speed. *Journal of Theoretical Biology*, 523(??):??, August 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001363`.

Goddard:2023:ERP

[GSC23] Jerome Goddard, Ratnasingham Shivaji, and James T. Cronin. Ecological release and patch geometry can cause nonlinear density-area relationships. *Journal of Theoretical Biology*, 557(??):??, January 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003162`.

Gholampour:2022:ESB

[GSMG22] Maryam Gholampour, Ali Khaki Sedigh, Mohammad Ghassem Mahjani, and Abdorasoul Ghasemi. Eigenvalue sensitivity-based analysis for evaluation of biological network stability versus disturbances. *Journal of Theoretical Biology*, 533(??):Article 110941, January 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932100360X`.

Ghosh:2023:COW

[GSR23] Salil Ghosh, Shubhankar Saha, and Priti Kumar Roy. Critical observation of WHO recommended multidrug therapy on the disease leprosy through mathematical study. *Journal of Theoretical Biology*, 567(??):??, June 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000929`.

Gao:2023:MSM

[GSW+23] Shasha Gao, Mingwang Shen, Xueying Wang, Jin Wang, Maia Martcheva, and Libin Rong. A multi-strain model with asymptomatic transmission: Application to COVID-19 in the US. *Journal of Theoretical Biology*, 565(??):??, May 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000644`.

Ganguly:2020:MCM

[GT20] Krishnendu Ganguly and Surendra Kumar Trigun. Mapping connectome in mammalian brain: a novel approach by bioengineering neuro-glia specific vectors. *Journal of Theoretical Biology*, 496(??):Article 110244, July 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300990`.

Galimzyanov:2022:DMP

[GT22] A. V. Galimzyanov and R. N. Tchuraev. Dynamic mechanism of phase variation in bacteria based on multistable gene regulatory networks. *Journal of Theoretical Biology*, 549(??):Article 111212, September 21, 2022. CO-

DEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002107`.

Giaretta:2020:SMH

[GTE20] Alberto Giaretta, Gianna Maria Toffolo, and Timothy C. Elston. Stochastic modeling of *human papillomavirus* early promoter gene regulation. *Journal of Theoretical Biology*, 486(??):Article 110057, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304266`.

Gallo:2021:MUN

[GTGB21] Anthony J. Gallo, Hayden Tronnolone, J. Edward F. Green, and Benjamin J. Binder. Modelling uniaxial non-uniform yeast colony growth: Comparing an agent-based model and continuum approximations. *Journal of Theoretical Biology*, 523(??):??, August 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001375`.

Goerlitz:2020:NRB

[GtHH20] Holger R. Goerlitz, Hannah M. ter Hofstede, and Marc W. Holderied. Neural representation of bat predation risk and evasive flight in moths: a modelling approach. *Journal of Theoretical Biology*, 486(??):Article 110082, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304515`.

Glover:2020:VHM

[GW20] Andrew Glover and Andrew White. A vector–host model to assess the impact of superinfection exclusion on vaccination strategies using dengue and yellow fever as case studies. *Journal of Theoretical Biology*, 484(??):Article 110014, January 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319303844`.

Gumbel:2021:MLC

[GW21] M. Gumbel and P. Wiedemann. Motif lengths of circular codes in coding sequences. *Journal of Theoretical Biology*, 523(??):??, August 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001302`.

Gao:2022:DDM

[GWZ+22] Jia-Xing Gao, Zhen-Yi Wang, Michael Q. Zhang, Min-Ping Qian, and Da-Quan Jiang. A data-driven method to learn a jump diffusion process from aggregate biological gene expression data. *Journal of Theoretical Biology*, 532(??):Article 110923, January 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003428`.

Guo:2023:ACD

[GYY+23] Yuchen Guo, Ling Yong, Qingyu Yao, Mengyi Han, Junsheng Xue, Weizhe Jian, and Tianyan Zhou. Application of a count data model to evaluate the anti-metastatic efficacy of QAP14 in 4T1 breast cancer allografts. *Journal of Theoretical Biology*, 557(??):??, January 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003149`.

Giuraniuc:2022:MMP

[GZGH22] Claudiu V. Giuraniuc, Shabana Zain, Shahmama Ghafoor, and Stefan Hoppler. A mathematical modelling portrait of Wnt signalling in early vertebrate embryogenesis. *Journal of Theoretical Biology*, 551–552(??):Article 111239, ???? 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932200234X`.

Grubelnik:2020:MED

[GZM+20] Vladimir Grubelnik, Jan Zmazek, Rene Markovic, Marko Gosak, and Marko Marhl. Modelling of energy-driven switch for glucagon and insulin secretion. *Journal of Theoretical Biology*, 493(??):Article 110213, May 21, 2020. CO-

DEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300680`.

Haji:2020:CAT

[Haj20] Amir Hossein Haji. Cells adapt their shapes with their experienced stiffness: a geometrical approach to differentiation. *Journal of Theoretical Biology*, 486(??):Article 110086, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304552`.

Hanin:2023:CSM

[Han23] Leonid Hanin. The circulation stage of the metastatic cascade: a mathematical description and its clinical implications. *Journal of Theoretical Biology*, 572(??):??, September 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001790`.

Halkola:2022:TMM

[HAP22] Anni S. Halkola, Tero Aittokallio, and Kalle Parvinen. Tumor microenvironment as a metapopulation model: the effects of angiogenesis, emigration and treatment modalities. *Journal of Theoretical Biology*, 545(??):Article 111147, July 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932200145X`.

Hossjer:2021:WTU

[HBG21] Ola Hössjer, Günter Bechly, and Ann Gauger. On the waiting time until coordinated mutations get fixed in regulatory sequences. *Journal of Theoretical Biology*, 524(??):??, September 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000795`.

Heitzman-Breen:2021:MDU

[HBGV+21] Nora Heitzman-Breen, Jacob Golden, Ana Vazquez, Sarah C. Kuchinsky, Nisha K. Duggal, and Stanca M. Ciupe. Modeling the dynamics of Usutu virus infection in birds. *Journal of Theoretical Biology*, 531(??):Article 110896, December 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print),

1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519321003155.

Hahn:2020:GPF

[HBK+20] Artur Hahn, Julia Bode, Thomas Krüwel, Thomas Kampf, Lukas R. Buschle, Volker J. F. Sturm, Ke Zhang, Björn Tews, Heinz-Peter Schlemmer, Sabine Heiland, Martin Bendszus, Christian H. Ziener, Michael O. Breckwoldt, and Felix T. Kurz. Gibbs point field model quantifies disorder in microvasculature of U87-glioblastoma. *Journal of Theoretical Biology*, 494(??):Article 110230, June 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320300850.

Herron-Bedoya:2021:PBM

[HBWLLPA21] Alejandro Herron-Bedoya, Manuela Walteros-Leon, Laura Lema-Perez, and Hernan Alvarez. Phenomenological-based model of glucose transport from liver to abdominal subcutaneous adipose tissue. *Journal of Theoretical Biology*, 530(??):Article 110883, December 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519321003027.

Hengenius:2021:ONR

[HCC+21] James B. Hengenius, Erin G. Connor, John P. Crimaldi, Nathaniel N. Urban, and G. Bard Ermentrout. Olfactory navigation in the real world: Simple local search strategies for turbulent environments. *Journal of Theoretical Biology*, 516(??):Article 110607, May 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519321000291.

Hernandez:2023:MMW

[HCJT23] Julio A. Hernández, Silvia Chifflet, Cristian Justet, and Alicia Torriglia. A mathematical model of wound healing in bovine corneal endothelium. *Journal of Theoretical Biology*, 559(??):??, February 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322003654.

Hillmann:2020:AIH

[HCR20] Andreas Hillmann, Martin Crane, and Heather J. Ruskin. Assessing the impact of HIV treatment interruptions using stochastic cellular Automata. *Journal of Theoretical Biology*, 502(??):Article 110376, October 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302319`.

Hegarty-Cremer:2021:MCG

[HCSAB21] Solene G. D. Hegarty-Cremer, Matthew J. Simpson, Thomas L. Andersen, and Pascal R. Buenzli. Modelling cell guidance and curvature control in evolving biological tissues. *Journal of Theoretical Biology*, 520(??):??, July 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000801`.

Holt:2022:CMD

[HD22] Alan G. Holt and Adrian M. Davies. A comparison of mtDNA deletion mutant proliferation mechanisms. *Journal of Theoretical Biology*, 551–552(??):Article 111244, ???? 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002387`.

Holt:2024:LTE

[HD24] Alan G. Holt and Adrian M. Davies. The long term effects of uncoupling interventions as a therapy for dementia in humans. *Journal of Theoretical Biology*, 587(??):??, June 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324001061`.

Hayakawa:2020:BRC

[HDM20] Tomohiro Hayakawa, Shigeto Dobata, and Fumitoshi Matsuno. Behavioral responses to colony-level properties affect disturbance resistance of red harvester ant colonies. *Journal of Theoretical Biology*, 492(??):Article 110186, May 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300424`.

Henry:2020:HME

[Hen20] John M. Henry. A hybrid model for the effects of treatment and demography on malaria superinfection. *Journal of Theoretical Biology*, 491(??):Article 110194, April 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300497`.

Haun:2023:ECR

[HFD23] Asher Haun, Baylor Fain, and Hana M. Dobrovolny. Effect of cellular regeneration and viral transmission mode on viral spread. *Journal of Theoretical Biology*, 558(??):??, February 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003617`.

Halder:2022:UNC

[HGCC22] Suvankar Halder, Sumana Ghosh, Joydev Chattopadhyay, and Samrat Chatterjee. Understanding noise in cell signalling in the prospect of drug-targets. *Journal of Theoretical Biology*, 555(??):Article 111298, December 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002892`.

Huber:2023:SBP

[HGF23] Holly A. Huber, Senta K. Georgia, and Stacey D. Finley. Systematic Bayesian posterior analysis guided by Kullback–Leibler divergence facilitates hypothesis formation. *Journal of Theoretical Biology*, 558(??):??, February 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003320`.

Hedh:2020:MPM

[HH20] Linus Hedh and Anders Hedenström. The migration pattern of a monogamous shorebird challenges existing hypotheses explaining the evolution of differential migration. *Journal of Theoretical Biology*, 487(??):Article 110111, February 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304801`.

Huang:2021:MCF

[HH21] Yan-San Huang and Fu-Lan Hsu. Mechanism of cracking failure in curved stems due to transverse stress under a bending moment. *Journal of Theoretical Biology*, 509(??):Article 110516, January 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303714`.

Hayashi:2024:VRO

[HHI24] Rena Hayashi, Akane Hara, and Yoh Iwasa. Viral rebound occurrence immediately after drug discontinuation involving neither drug resistance nor latent reservoir. *Journal of Theoretical Biology*, 582(??):??, April 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000481`.

Hara:2020:ADI

[HI20] Akane Hara and Yoh Iwasa. Autoimmune diseases initiated by pathogen infection: Mathematical modeling. *Journal of Theoretical Biology*, 498(??):Article 110296, August 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932030151X`.

Hishida:2021:SDG

[HI21] Shintaro Hishida and Yoh Iwasa. Spatial distribution of gut microbes along the intestinal duct. *Journal of Theoretical Biology*, 523(??):??, August 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001478`.

Hadjicharalambous:2022:CAA

[HIA+22] Myrianthi Hadjicharalambous, Eleftherios Ioannou, Nicolas Aristokleous, Kristaq Gazeli, Charalambos Anastassiou, and Vasileios Vavourakis. Combined anti-angiogenic and cytotoxic treatment of a solid tumour: *in silico* investigation of a xenograft animal model's digital twin. *Journal of Theoretical Biology*, 553(??):Article 111246, November 21, 2022.

CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002399`.

Hayashi:2022:ESE

[HII22] Rena Hayashi, Shingo Iwami, and Yoh Iwasa. Escaping stochastic extinction of mutant virus: Temporal pattern of emergence of drug resistance within a host. *Journal of Theoretical Biology*, 537(??):Article 111029, March 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000273`.

Hill:2023:MEI

[Hil23] Edward M. Hill. Modelling the epidemiological implications for SARS-CoV-2 of Christmas household bubbles in England. *Journal of Theoretical Biology*, 557(??):??, January 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003228`.

Hajij:2020:GBA

[HJKS20] Mustafa Hajij, Natasa Jonoska, Denys Kukushkin, and Masahico Saito. Graph based analysis for gene segment organization in a scrambled genome. *Journal of Theoretical Biology*, 494(??):Article 110215, June 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300709`.

Hamley:2021:PEA

[HK21] Jonathan I. D. Hamley and Jacob C. Koella. Parasite evolution in an age-structured population. *Journal of Theoretical Biology*, 527(??):Article 110732, October 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001545`.

Herath:2020:CIT

[HL20] Samantha Herath and Daniel Lobo. Cross-inhibition of Turing patterns explains the self-organized regulatory mechanism of planarian fission. *Journal of Theoretical Biology*, 485(??):Article 110042, January 21, 2020. CO-

DEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519319304114.

Holden:2021:PPD

[HL21] Matthew H. Holden and Jakeb Lockyer. Poacher-population dynamics when legal trade of naturally deceased organisms funds anti-poaching enforcement. *Journal of Theoretical Biology*, 517(??):Article 110618, May 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519321000400.

Hunter:2024:FRN

[HL24] Iain Hunter and Raz Leib. A framework for relating natural movement to length and quality of life in human and non-human animals. *Journal of Theoretical Biology*, 576(??):??, January 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519323002461.

Hu:2024:ICR

[HLW24] Qing Hu, Min Luo, and Ruiqi Wang. Identifying critical regulatory interactions in cell fate decision and transition by systematic perturbation analysis. *Journal of Theoretical Biology*, 577(??):??, January 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519323002709.

Hurford:2023:PMR

[HMLO+23] Amy Hurford, Maria M. Martignoni, J. Concepción Loredo-Osti, Francis Anokye, Julien Arino, Bilal Saleh Husain, Brian Gaas, and James Watmough. Pandemic modelling for regions implementing an elimination strategy. *Journal of Theoretical Biology*, 561(??):??, March 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322003691.

Hasegawa:2021:OPS

[HMS21] Takuya M. Hasegawa, Takashi T. Makino, and Satoki Sakai. Optimal pollen stickiness to pollinators for maximizing pa-

ternal fitness: Increased number of recipient flowers or increased pollen deposition on recipient flowers? *Journal of Theoretical Biology*, 524(??):??, September 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001533`.

Hong:2020:MGN

[Hon20] Ze Hong. Modelling the on-going natural selection of educational attainment in contemporary societies. *Journal of Theoretical Biology*, 493(??):Article 110210, May 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300655`.

Hall:2020:DSA

[HPD20] Cameron L. Hall, Mason A. Porter, and Marian S. Dawkins. Dominance, sharing, and assessment in an iterated Hawk–Dove game. *Journal of Theoretical Biology*, 493(??):Article 110101, May 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304709`.

Halkola:2020:MKC

[HPK+20] Anni S. Halkola, Kalle Parvinen, Henna Kasanen, Satu Mustjoki, and Tero Aittokallio. Modelling of killer T-cell and cancer cell subpopulation dynamics under immuno- and chemotherapies. *Journal of Theoretical Biology*, 488(??):Article 110136, March 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319305053`.

Halimubieke:2021:HDB

[HPSA21] Naerhulan Halimubieke, Alistair Pirrie, Tamás Székely, and Ben Ashby. How do biases in sex ratio and disease characteristics affect the spread of sexually transmitted infections? *Journal of Theoretical Biology*, 527(??):Article 110832, October 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002514`. See corrigendum [HPSA23].

Halimubieke:2023:CHD

[HPSA23] Naerhulan Halimubieke, Alistair Pirrie, Tamás Székely, and Ben Ashby. Corrigendum to "How do biases in sex ratio and disease characteristics affect the spread of sexually transmitted infections?" [J. Theor. Biol. **527** (2021) 110832]. *Journal of Theoretical Biology*, 571(??):??, August 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932300142X`. See [HPSA21].

Helps:2020:DOI

[HPWvdB20] Joseph Christopher Helps, Neil D. Paveley, Sacha White, and Frank van den Bosch. Determinants of optimal insecticide resistance management strategies. *Journal of Theoretical Biology*, 503(??):Article 110383, October 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302381`.

Henningsen:2024:URD

[HRD+24] Maj Beldring Henningsen, Mossa Merhi Reimert, Matt Denwood, Maya Katrin Gussmann, Carsten Thure Kirkeby, and Søren Saxmose Nielsen. Using registry data to identify individual dairy cows with abnormal patterns in routinely recorded somatic cell counts. *Journal of Theoretical Biology*, 579(??):??, February 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323003156`.

Hassanpoor:2020:IER

[HS20] Hossein Hassanpoor and Maryam Saidi. An investigation into the effective role of astrocyte in the hippocampus pattern separation process: a computational modeling study. *Journal of Theoretical Biology*, 487(??):Article 110114, February 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304837`.

Harkos:2024:NSE

[HS24] Constantinos Harkos and Triantafyllos Stylianopoulos. Investigating the synergistic effects of immunotherapy and

normalization treatment in modulating tumor microenvironment and enhancing treatment efficacy. *Journal of Theoretical Biology*, 583(??):??, April 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000493`.

Hilker:2020:SSI

[HSAH20] F. M. Hilker, T. A. Sun, L. J. S. Allen, and F. M. Hamelin. Separate seasons of infection and reproduction can lead to multi-year population cycles. *Journal of Theoretical Biology*, 489(??):Article 110158, March 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932030014X`.

Huang:2024:DCT

[HSL24] Rongsheng Huang, Qiaojun Situ, and Jinzhi Lei. Dynamics of cell-type transition mediated by epigenetic modifications. *Journal of Theoretical Biology*, 577(??):??, January 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002618`.

Holmes:2022:ASS

[HTD22] Alex Holmes, Mike Tildesley, and Louise Dyson. Approximating steady state distributions for household structured epidemic models. *Journal of Theoretical Biology*, 534(??):Article 110974, February 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003945`.

Hardwick:2021:SSH

[HVC+21] Robert J. Hardwick, Carolin Vegvari, Benjamin Collyer, James E. Truscott, and Roy M. Anderson. Spatial scales in human movement between reservoirs of infection. *Journal of Theoretical Biology*, 524(??):??, September 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932100148X`.

Hardwick:2020:BST

[HVTA20] Robert J. Hardwick, Carolin Vegvari, James E. Truscott, and Roy M. Anderson. The 'breakpoint' of soil-transmitted helminths with infected human migration. *Journal of Theoretical Biology*, 486(??):Article 110076, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251931930445X`.

Huo:2020:SSN

[HXK+20] Yanhao Huo, Lihui Xin, Chuanze Kang, Minghui Wang, Qin Ma, and Bin Yu. SGL-SVM: a novel method for tumor classification via support vector machine with sparse group Lasso. *Journal of Theoretical Biology*, 486(??):Article 110098, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304679`.

Hu:2021:WBW

[HXS21] Di Hu, Cai-Hua Xiong, and Ronglei Sun. Working out the bipedal walking expenditure of energy based on foot morphology of different hominid genera: Implications for foot evolution. *Journal of Theoretical Biology*, 519(??):??, June 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000680`.

Hu:2022:BHB

[HXZ+22] Bing Hu, Minbo Xu, Luyao Zhu, Jiahui Lin, Zhizhi Wang, Dingjiang Wang, and Dongmei Zhang. A bidirectional Hopf bifurcation analysis of Parkinson's oscillation in a simplified basal ganglia model. *Journal of Theoretical Biology*, 536(??):Article 110979, March 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003994`.

Hayashi:2022:PFE

[HYM+22] Tatsuya Hayashi, Fumitaka Yura, Jun Mada, Hiroki Kurihara, and Tetsuji Tokihiro. Pattern formation of elliptic particles by two-body interactions: a model for dynamics of endothelial cells in angiogenesis. *Journal of Theoretical*

Biology, 555(??):Article 111300, December 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002910`.

He:2021:HRK

[HZM+21] Qiao-Qiao He, Xiu-Deng Zheng, Ruth Mace, Yi Tao, and Ting Ji. Hamilton's rule and kin competition in a finite kin population. *Journal of Theoretical Biology*, 529(??):Article 110862, November 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002812`.

He:2021:HHB

[HZS+21] Zike He, Wei Zhang, Yu Sun, Chuchu Li, Jianing Wu, and Zhigang Wu. How honey bees dip nectar: Dynamic spacing of tongue hairs facilitates to collect nectar of various viscosities. *Journal of Theoretical Biology*, 512(??):Article 110538, March 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303933`.

Itsko:2021:NTC

[IB21] Mark Itsko and Yuval Ben Abu. Novel type of coagulation equation and its application to DNA repeat expansion process. *Journal of Theoretical Biology*, 511(??):Article 110555, February 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320304100`.

Ispolatov:2023:EEP

[IDD23] Yaroslav Ispolatov, Carlos Doebeli, and Michael Doebeli. On the evolutionary emergence of predation. *Journal of Theoretical Biology*, 572(??):??, September 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001753`.

Imirzian:2021:ABM

[IH21] Natalie Imirzian and David P. Hughes. An agent-based model shows zombie ants exhibit search behavior. *Journal of Theoretical Biology*, 526(??):Article 110789, October

7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002083`.

Iwasa:2023:WIE

[IH23] Yoh Iwasa and Rena Hayashi. Waves of infection emerging from coupled social and epidemiological dynamics. *Journal of Theoretical Biology*, 558(??):??, February 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003575`.

Islier:2021:AIS

[IHG21] Zeynep Gökçe Islier, Wolfgang Hörmann, and Refik Güllü. Assessing intervention strategies for non-homogeneous populations using a closed form formula for R0. *Journal of Theoretical Biology*, 511(??):Article 110561, February 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320304161`.

Irons:2020:SBV

[IHO+20] Linda Irons, Huang Huang, Markus R. Owen, Reuben D. O'Dea, Gerald A. Meininger, and Bindi S. Brook. Switching behaviour in vascular smooth muscle cell-matrix adhesion during oscillatory loading. *Journal of Theoretical Biology*, 502(??):Article 110387, October 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302423`.

Iwasa:2021:VVH

[IHO21] Yoh Iwasa, Akane Hara, and Shihomi Ozone. Virulence of a virus: How it depends on growth rate, effectors, memory cells, and immune escape. *Journal of Theoretical Biology*, 530(??):Article 110875, December 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002940`.

Ikegawa:2021:SMF

[IHH21] Yusuke Ikegawa, Koichi Ito, Chihiro Himuro, and Atsushi Honma. Sterile males and females can synergistically sup-

press wild pests targeted by sterile insect technique. *Journal of Theoretical Biology*, 530(??):Article 110878, December 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002976`.

Ibarra-Junquera:2022:ETM

[IJROTE22] Vrani Ibarra-Junquera, Diego Radillo-Ochoa, and César A. Terrero-Escalante. Evolutionary timeline of a modeled cell. *Journal of Theoretical Biology*, 551–552(??):Article 111233, ???? 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002302`.

Ichinose:2021:DRS

[IKYW21] Natsuhiro Ichinose, Takeshi Kawashima, Tetsushi Yada, and Hiroshi Wada. Dynamical robustness and its structural dependence in biological networks. *Journal of Theoretical Biology*, 526(??):Article 110808, October 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002277`.

Ippolito:2020:SST

[ILGI20] Stephen Ippolito, Jose Laborde, Tim Gottwald, and Michael S. Irey. Studying the spatial temporal spread of the citrus tristeza virus through ODEs and Bernoulli trials. *Journal of Theoretical Biology*, 497(??):Article 110279, July 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932030134X`.

Iosilevskii:2021:FOS

[Ios21] Gil Iosilevskii. A foraging ocean sunfish and the 'nearest neighbor' problem. *Journal of Theoretical Biology*, 520(??):??, July 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001016`.

Ito:2020:EBD

[IS20] Hiroshi C. Ito and Akira Sasaki. Evolutionary branching in distorted trait spaces. *Journal of Theoretical Biology*, 489(??):Article 110152, March 21, 2020. CODEN

JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300084`.

Idumah:2023:SDM

[ISC23] Gideon Idumah, Erkki Somersalo, and Daniela Calvetti. A spatially distributed model of brain metabolism highlights the role of diffusion in brain energy metabolism. *Journal of Theoretical Biology*, 572(??):??, September 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001649`.

Ishii:2023:TAV

[Ish23] Yuichiro Ishii. Topological analysis of vertebrate phylogenetic trees utilizing Horton's first law. *Journal of Theoretical Biology*, 562(??):??, April 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000152`.

Iwasa:2022:EMN

[IY22] Yoh Iwasa and Sachi Yamaguchi. Evolution of male nuptial gift and female remating: a quantitative genetic model. *Journal of Theoretical Biology*, 533(??):Article 110939, January 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003581`.

Iwasa:2022:EGL

[IYY22] Yoh Iwasa, Yoichi Yusa, and Sachi Yamaguchi. Evolutionary game of life-cycle types in marine benthic invertebrates: Feeding larvae versus nonfeeding larvae versus direct development. *Journal of Theoretical Biology*, 537(??):Article 111019, March 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000170`.

Jiang:2023:IVM

[JA23] Jianfei Jiang and Christof M. Aegerter. An integrated vertex model of the mesoderm invagination during the embryonic development of *Drosophila*. *Journal of Theoretical Biology*, 572(??):??, September 7, 2023. CO-

DEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001789`.

Jnawali:2022:SIP

[JAB22] Kamal Jnawali, Madhur Anand, and Chris T. Bauch. Stochasticity-induced persistence in coupled social-ecological systems. *Journal of Theoretical Biology*, 542(??):Article 111088, June 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000868`.

James:2021:DTM

[Jam21] William H. James. Does testosterone in males facilitate evolution by natural selection? *Journal of Theoretical Biology*, 529(??):Article 110864, November 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002836`.

Jiao:2020:PPR

[JCC20] Yuhang Jiao, Tong Chen, and Qiao Chen. Probabilistic punishment and reward under rule of trust-based decision-making in continuous public goods game. *Journal of Theoretical Biology*, 486(??):Article 110103, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304722`.

Jordan-Cooley:2011:BDE

[JCLS+11] William C. Jordan-Cooley, Romuald N. Lipcius, Leah B. Shaw, Jian Shen, and Junping Shi. Bistability in a differential equation model of oyster reef height and sediment accumulation. *Journal of Theoretical Biology*, 289(??):1–11, November 21, 2011. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519311004085`. See correction [JCLS+21].

Jordan-Cooley:2021:CBD

[JCLS+21] William C. Jordan-Cooley, Romuald N. Lipcius, Leah B. Shaw, Jian Shen, and Junping Shi. Corrigendum to "Bistability in a differential equation model of oyster reef height

and sediment accumulation" [J. Theor. Biol. **289** (2011) 1–11]. *Journal of Theoretical Biology*, 525(??):??, September 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001570`. See [JCLS+11].

Jessie:2021:RSD

[JD21] Benjamin Jessie and Hana M. Dobrovolny. The role of syncytia during viral infections. *Journal of Theoretical Biology*, 525(??):??, September 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001715`.

Jenner:2020:EOV

[JFCK20] Adrianne L. Jenner, Federico Frascoli, Adelle C. F. Coster, and Peter S. Kim. Enhancing oncolytic virotherapy: Observations from a Voronoi cell-based model. *Journal of Theoretical Biology*, 485(??):Article 110052, January 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304217`.

Juayerk-Herrera:2021:DMS

[JHFMP+21] Kenia L. Juayerk-Herrera, Gerardo J. Félix-Martínez, Arturo Picones, José L. Del-Río-Correa, and J. Rafael Godínez-Fernández. Deterministic modeling of single-channel and whole-cell currents. *Journal of Theoretical Biology*, 508 (??):Article 110459, January 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303143`.

Joshi:2020:PAF

[JJR20] Shripad Joshi, Kung-Ming Jan, and David Rumschitzki. Pre-atherosclerotic flow and oncotically active solute transport across the arterial endothelium. *Journal of Theoretical Biology*, 499(??):Article 110275, August 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301302`.

Jung:2023:MSE

[JKH+23] Seungpil Jung, Jong-Hoon Kim, Seung-Sik Hwang, Junyoung Choi, and Woojoo Lee. Modified susceptible-exposed-infectious-recovered model for assessing the effectiveness of non-pharmaceutical interventions during the COVID-19 pandemic in Seoul. *Journal of Theoretical Biology*, 557(??):??, January 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003204`.

Jonas:2023:MAI

[JKSD23] Daniel Jonas, Michael Kirby, Alan R. Schenkel, and Gerhard Dangelmayr. Modeling of adaptive immunity uncovers disease tolerance mechanisms. *Journal of Theoretical Biology*, 568(??):??, July 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000942`.

Joslyn:2022:VHM

[JLK22] Louis R. Joslyn, Jennifer J. Linderman, and Denise E. Kirschner. A virtual host model of *Mycobacterium tuberculosis* infection identifies early immune events as predictive of infection outcomes. *Journal of Theoretical Biology*, 539(??):Article 111042, April 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000406`.

Jacobs:2020:RBP

[JMD20] Bas Jacobs, Jaap Molenaar, and Eva E. Deinum. Robust banded protoxylem pattern formation through microtubule-based directional ROP diffusion restriction. *Journal of Theoretical Biology*, 502(??):Article 110351, October 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932030206X`.

Jegatheesan:2024:MMC

[JME24] Thulasi Jegatheesan, Arun S. Moorthy, and Hermann J. Eberl. A mathematical model of competition between

fiber and mucin degraders in the gut provides a possible explanation for mucus thinning. *Journal of Theoretical Biology*, 587(??):??, June 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932400105X`.

Jing:2023:VHP

[JMWX23] Shuanglin Jing, Russell Milne, Hao Wang, and Ling Xue. Vaccine hesitancy promotes emergence of new SARS-CoV-2 variants. *Journal of Theoretical Biology*, 570(??):??, August 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001182`.

Jacquet:2023:RMC

[JS23] Pierre Jacquet and Angélique Stéphanou. A reduced model of cell metabolism to revisit the glycolysis-OXPHOS relationship in the deregulated tumor microenvironment. *Journal of Theoretical Biology*, 562(??):??, April 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000309`.

Jones:2021:AIF

[JSCW21] Eric Jones, Jiming Sheng, Jean Carlson, and Shenshen Wang. Aging-induced fragility of the immune system. *Journal of Theoretical Biology*, 510(??):Article 110473, February 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303283`.

Johnson:2021:DMO

[JWKA21] Joseph D. Johnson, Nathan L. White, Alain Kangabire, and Daniel M. Abrams. A dynamical model for the origin of anisogamy. *Journal of Theoretical Biology*, 521(??):??, July 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000916`.

Kania:2021:HIT

[Kan21] Adrian Kania. Harnessing the information theory and chaos game representation for pattern searching among essential

and non-essential genes in bacteria. *Journal of Theoretical Biology*, 531(??):Article 110917, December 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003362`.

Kaushik:2023:EBS

[Kau23] Sachin Kaushik. Effect of beneficial sweeps and background selection on genetic diversity in changing environments. *Journal of Theoretical Biology*, 562(??):??, April 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000279`.

Kushchenko:2020:EHT

[KB20] Yulia K. Kushchenko and Aleksey V. Belyaev. Effects of hydrophobicity, tethering and size on flow-induced activation of von Willebrand factor multimers. *Journal of Theoretical Biology*, 485(??):Article 110050, January 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304199`.

King:2022:CRD

[KB22] Clarence C. King and S. P. Beckman. Coupled reaction-diffusion transport into a core-shell geometry. *Journal of Theoretical Biology*, 546(??):Article 111138, August 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001369`.

Korosec:2023:MCS

[KBD+23] Chapin S. Korosec, Matthew I. Betti, David W. Dick, Hsu Kiang Ooi, Iain R. Moyles, Lindi M. Wahl, and Jane M. Heffernan. Multiple cohort study of hospitalized SARS-CoV-2 in-host infection dynamics: Parameter estimates, identifiability, sensitivity and the eclipse phase profile. *Journal of Theoretical Biology*, 564(??):??, May 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000450`.

King:2019:MRD

[KBS+19] Clarence C. King, Amelia Ann Brown, Irmak Sargin, K. M. Bratlie, and S. P. Beckman. Modeling of reaction–diffusion transport into a core-shell geometry. *Journal of Theoretical Biology*, 460(??):204–208, January 7, 2019. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519318304624`. See [KBS+20].

King:2020:CMR

[KBS+20] Clarence C. King, Amelia Ann Brown, Irmak Sargin, K. M. Bratlie, and S. P. Beckman. Corrigendum to: Modeling of reaction–diffusion transport into a core-shell geometry. *Journal of Theoretical Biology*, 507(??):Article 110439, December 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302940`. See [KBS+19].

KhudaBukhsh:2023:PCC

[KBW+23] Wasiur R. KhudaBukhsh, Caleb Deen Bastian, Matthew Wascher, Colin Klaus, Saumya Yashmohini Sahai, Mark H. Weir, Eben Kenah, Elisabeth Root, Joseph H. Tien, and Grzegorz A. Rempała. Projecting COVID-19 cases and hospital burden in Ohio. *Journal of Theoretical Biology*, 561(??):??, March 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003952`.

Krivan:2022:AHD

[KC22] Vlastimil Krivan and Ross Cressman. The asymmetric Hawk–Dove game with costs measured as time lost. *Journal of Theoretical Biology*, 547(??):Article 111162, August 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001606`.

Krivan:2024:IFD

[KC24] Vlastimil Krivan and Ross Cressman. The Ideal Free Distribution with travel costs. *Journal of Theoretical Biology*, 579(??):??, February 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S0022519323003144.

Kirschner:2020:D

[KCS20] Denise Kirschner, Mark Chaplain, and Akira Sasaki. Disclaimer. *Journal of Theoretical Biology*, 506(??): Article 110456, December 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320303118.

Keeling:2023:PRI

[Kee23] Matt J. Keeling. Patterns of reported infection and re-infection of SARS-CoV-2 in England. *Journal of Theoretical Biology*, 556(??):??, January 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322002909.

Koyama:2020:IEE

[KF20] Hiroshi Koyama and Toshihiko Fujimori. Isotropic expansion of external environment induces tissue elongation and collective cell alignment. *Journal of Theoretical Biology*, 496(??):Article 110248, July 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002251932030103X.

Kabir:2022:NBA

[KG22] M. Humayun Kabir and M. Osman Gani. Numerical bifurcation analysis and pattern formation in a minimal reaction–diffusion model for vegetation. *Journal of Theoretical Biology*, 536(??):Article 110997, March 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519321004173.

Karst:2023:MTT

[KG23] Nathaniel J. Karst and John B. Geddes. Modeling transit time distributions in microvascular networks. *Journal of Theoretical Biology*, 572(??):??, September 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519323001819.

Kahramanogullari:2022:SDC

[KGP+22] Ozan Kahramanogullari, Bruna Giordano, Jonathan Perrin, Daniel Vielzeuf, and Lorenzo Bramanti. Stochastic diffusion characterises early colony formation in Mediterranean coral *Corallium rubrum*. *Journal of Theoretical Biology*, 553(??):Article 111247, November 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002405`.

Kazarnikov:2020:SAP

[KH20] Alexey Kazarnikov and Heikki Haario. Statistical approach for parameter identification by Turing patterns. *Journal of Theoretical Biology*, 501(??):Article 110319, September 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301740`.

Koyama:2021:AGR

[KHAK21] Kento Koyama, Satoko Hiura, Hiroki Abe, and Shige Koseki. Application of growth rate from kinetic model to calculate stochastic growth of a bacteria population at low contamination level. *Journal of Theoretical Biology*, 525(??):??, September 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001806`.

Kaye:2022:DCM

[KHB+22] A. R. Kaye, W. S. Hart, J. Bromiley, S. Iwami, and R. N. Thompson. A direct comparison of methods for assessing the threat from emerging infectious diseases in seasonally varying environments. *Journal of Theoretical Biology*, 548(??):Article 111195, September 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932200193X`.

Kaitala:2020:CEI

[KHBS20] Veijo Kaitala, Teppo Hiltunen, Lutz Becks, and Thomas Scheuerl. Co-evolution as an important component explaining microbial predator–prey interaction. *Journal of Theoretical Biology*, 486(??):Article 110095, February 7, 2020. CO-

DEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519319304643.

Kim:2021:RAT

[KHST21] Bo-Moon Kim, Junnosuke Horita, Jun-Ichirou Suzuki, and Yuuya Tachiki. Resource allocation in tragedy of the commons game in plants for belowground competition. *Journal of Theoretical Biology*, 529(??):Article 110858, November 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519321002770.

Knight:2022:MMC

[KHW+22] Martin A. Knight, Michael R. Hutchings, Piran C. L. White, Ross S. Davidson, and Glenn Marion. A mechanistic model captures livestock trading, disease dynamics, and compensatory behaviour in response to control measures. *Journal of Theoretical Biology*, 539(??):Article 111059, April 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322000571.

Kuwabara:2020:TOS

[KI20] Tomohiko Kuwabara and Kensuke Igarashi. *Thermotogales* origin scenario of eukaryogenesis. *Journal of Theoretical Biology*, 492(??):Article 110192, May 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320300473.

Kanayama:2021:WDS

[KI21] Yuki Kanayama and Yoh Iwasa. Why did sauropod dinosaurs grow so big? — A possible answer from the life history theory. *Journal of Theoretical Biology*, 508(??):Article 110485, January 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320303404.

Kadelka:2022:EHA

[KIM+22] Claus Kadelka, Md Rafiul Islam, Audrey McCombs, Jake Alston, and Noah Morton. Ethnic homophily affects vaccine prioritization strategies. *Journal of Theoretical Bi-*

ology, 555(??):Article 111295, December 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002867`.

Kopfer:2020:MMR

[KJM20] Kai H. Kopfer, Willi Jäger, and Franziska Matthäus. A mechanochemical model for rho GTPase mediated cell polarization. *Journal of Theoretical Biology*, 504 (??):Article 110386, November 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302411`.

Kauffman:2020:TCE

[KJV20] Stuart A. Kauffman, Dávid Péter Jelenfi, and Gábor Vattay. Theory of chemical evolution of molecule compositions in the universe, in the Miller–Urey experiment and the mass distribution of interstellar and intergalactic molecules. *Journal of Theoretical Biology*, 486(??):Article 110097, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304667`.

Khosravi:2022:NRT

[KK22a] Ali Khosravi and Gholamreza Karimi. A new real-time analog circuit of Ca^{2+} Li–Rinzel astrocyte model based on analytical method. *Journal of Theoretical Biology*, 547(??):Article 111164, August 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932200162X`.

Kuznetsov:2022:BUU

[KK22b] Ivan A. Kuznetsov and Andrey V. Kuznetsov. Bidirectional, unlike unidirectional transport, allows transporting axonal cargos against their concentration gradient. *Journal of Theoretical Biology*, 546(??):Article 111161, August 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932200159X`.

Kuznetsov:2023:OAR

[KK23] Maxim Kuznetsov and Andrey Kolobov. Optimization of antitumor radiotherapy fractionation via mathematical modeling with account of 4 R's of radiobiology. *Journal of Theoretical Biology*, 558(??):??, February 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003629`.

Kurusu:2020:QAE

[KKK+20] Tatsuya Kurusu, Kwang Su Kim, Yoshiki Koizumi, Shinji Nakaoka, Keisuke Ejima, Naoko Misawa, Yoshio Koyanagi, Kei Sato, and Shingo Iwami. Quantifying the antiviral effect of APOBEC3 on HIV-1 infection in humanized mouse model. *Journal of Theoretical Biology*, 498(??):Article 110295, August 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301508`.

Kumbhari:2020:OAC

[KKL20] Adarsh Kumbhari, Peter S. Kim, and Peter P. Lee. Optimisation of anti-cancer peptide vaccines to preferentially elicit high-avidity T cells. *Journal of Theoretical Biology*, 486(??):Article 110067, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304369`.

Khan:2023:MES

[KKS23] Raheel Khan, D. Kulasiri, and S. Samarasinghe. A multifarious exploration of synaptic tagging and capture hypothesis in synaptic plasticity: Development of an integrated mathematical model and computational experiments. *Journal of Theoretical Biology*, 556(??):??, January 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003174`.

Kayser:2021:SDE

[KL21a] Kirk Kayser and Adam Lampert. Survivor's dilemma: the evolution of cooperation in volatile environments. *Journal of Theoretical Biology*, 516(??):Article 110603, May 7, 2021.

CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000254`.

Kroumi:2021:EVP

[KL21b] Dhaker Kroumi and Sabin Lessard. The effect of variability in payoffs on average abundance in two-player linear games under symmetric mutation. *Journal of Theoretical Biology*, 513(??):Article 110569, March 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320304240`.

Kinnunen:2022:CMI

[KLLL22] Patrick C. Kinnunen, Gary D. Luker, Kathryn E. Luker, and Jennifer J. Linderman. Computational modeling implicates protein scaffolding in p38 regulation of Akt. *Journal of Theoretical Biology*, 555(??):Article 111294, December 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002855`.

Krieg:2020:TPM

[KM20] Michael Krieg and Kamran Mohseni. Transient pressure modeling in jetting animals. *Journal of Theoretical Biology*, 494(??):Article 110237, June 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300928`.

Kribs:2022:CBO

[KM22] Christopher M. Kribs and Crystal Mackey. Competition between obligate and facultative scavengers and infection: vulture-jackal-anthrax dynamics in etosha national park. *Journal of Theoretical Biology*, 537(??):Article 110981, March 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932100401X`.

Kye:2021:SBF

[KMA+21] Geunho Kye, Jonathan Machta, Karen C. Abbott, Alan Hastings, William Huffmyer, Fang Ji, Andrew M. Liebhold, and Julie C. Blackwood. Sharp boundary formation and invasion

between spatially adjacent periodical cicada broods. *Journal of Theoretical Biology*, 515(??):Article 110600, April 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000229`.

Kaji:2023:EPC

[KMI23] Hotaka Kaji, Fumito Mori, and Hiroshi Ito. Enhanced precision of circadian rhythm by output system. *Journal of Theoretical Biology*, 574(??):??, October 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002187`.

Khudiakova:2021:TLL

[KNK21] Ksenia A. Khudiakova, Tatiana Yu. Neretina, and Alexey S. Kondrashov. Two linked loci under mutation-selection balance and Muller's ratchet. *Journal of Theoretical Biology*, 524(??):??, September 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932100151X`.

Koch:2020:HOS

[Koc20] Daniel Koch. Homo-oligomerisation in signal transduction: Dynamics, homeostasis, ultrasensitivity, bistability. *Journal of Theoretical Biology*, 499(??):Article 110305, August 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301600`.

Kumar:2021:CTA

[KP21] Abhimanyu Kumar and Om Prakash Pandey. Causal theory on acceleration of seed germination in the vicinity of high voltage direct current transmission line. *Journal of Theoretical Biology*, 531(??):Article 110899, December 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003180`.

Kemp:2021:MCD

[KPA+21] Françoise Kemp, Daniele Proverbio, Atte Aalto, Laurent Mombaerts, Aymeric Fouquier d'Hérouël, Andreas Husch,

Christophe Ley, Jorge Gonçalves, Alexander Skupin, and Stefano Magni. Modelling COVID-19 dynamics and potential for herd immunity by vaccination in Austria, Luxembourg and Sweden. *Journal of Theoretical Biology*, 530(??):Article 110874, December 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002939`.

Kassis:2024:DSM

[KPH+24] George Kassis, Mukta G. Palshikar, Shannon P. Hilchey, Martin S. Zand, and Juilee Thakar. Discrete-state models identify pathway specific B cell states across diseases and infections at single-cell resolution. *Journal of Theoretical Biology*, 583(??): ??, April 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932400050X`.

Kim:2020:CTL

[KPP20] Seyoung Kim, Cheolhoon Park, and Chanhun Park. Change in telescoping leg strategy with varying walking speed to modulate force advantage. *Journal of Theoretical Biology*, 496(??):Article 110249, July 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301041`.

Krantz:2020:TEG

[KPR20] Steven G. Krantz, Peter Polyakov, and Arni S. R. Srinivasa Rao. True epidemic growth construction through harmonic analysis. *Journal of Theoretical Biology*, 494 (??):Article 110243, June 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300989`.

Karimi:2022:TMS

[KR22] Gholamreza Karimi and Soraya Rastegar. A TSTDP memristive synapse based on a comprehensive mathematical model of memory-TFT threshold voltage shift. *Journal of Theoretical Biology*, 544(??):Article 111119, July 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001175`.

Krishnan:2024:CSH

[KRSG24] Nandakishor Krishnan, Lajos Rózsa, András Szilágyi, and József Garay. Coevolutionary stability of host-symbiont systems with mixed-mode transmission. *Journal of Theoretical Biology*, 576(??):??, January 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002175`.

Ke:2021:ERN

[KRSSH21] Ruian Ke, Ethan Romero-Severson, Steven Sanche, and Nick Hengartner. Estimating the reproductive number R_0 of SARS-CoV-2 in the United States and eight European countries and implications for vaccination. *Journal of Theoretical Biology*, 517(??):Article 110621, May 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000436`.

Kohnke:2020:TIF

[KSSM20] Merlin C. Köhnke, Ivo Siekmann, Hiromi Seno, and Horst Malchow. A type IV functional response with different shapes in a predator-prey model. *Journal of Theoretical Biology*, 505(??):Article 110419, November 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302745`.

Kabir:2020:CEA

[KT20a] K. M. Ariful Kabir and Jun Tanimoto. Cost-efficiency analysis of voluntary vaccination against n-serovar diseases using antibody-dependent enhancement: a game approach. *Journal of Theoretical Biology*, 503(??):Article 110379, October 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302344`.

Kabir:2020:RAL

[KT20b] K. M. Ariful Kabir and Jun Tanimoto. The role of advanced and late provisions in a co-evolutionary epidemic game model for assessing the social triple-dilemma aspect. *Journal of Theoretical Biology*, 503(??):Article 110399, October

21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932030254X`.

Kabir:2021:AIS

[KT21] K. M. Ariful Kabir and Jun Tanimoto. Analysis of individual strategies for artificial and natural immunity with imperfectness and durability of protection. *Journal of Theoretical Biology*, 509(??):Article 110531, January 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303866`.

Konstorum:2020:SBF

[KTP+20] Anna Konstorum, Lia Tesfay, Bibbin T. Paul, Frank M. Torti, Reinhard C. Laubenbacher, and Suzy V. Torti. Systems biology of ferroptosis: a modeling approach. *Journal of Theoretical Biology*, 493(??):Article 110222, May 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300771`.

Kitaguchi:2022:CSH

[KTU22] Yuta Kitaguchi, Hajime Tei, and Koichiro Uriu. Cell size homeostasis under the circadian regulation of cell division in cyanobacteria. *Journal of Theoretical Biology*, 553(??):Article 111260, November 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932200251X`.

Kurokawa:2021:EGS

[Kur21] Shun Kurokawa. Effect of the group size on the evolution of cooperation when an exit option is present. *Journal of Theoretical Biology*, 521(??):??, July 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001004`.

Kurokawa:2023:ESP

[Kur23] Shun Kurokawa. Evolution of spite in an n-player game with an opting-out option. *Journal of Theoretical Biology*, 572(??):??, September 7, 2023. CODEN JT-

BIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001820`.

Kuznetsov:2024:LBR

[Kuz24a] Andrey V. Kuznetsov. Lewy body radius growth: the hypothesis of the cube root of time dependency. *Journal of Theoretical Biology*, 581(??):??, March 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000158`.

Kuznetsov:2024:NMS

[Kuz24b] Andrey V. Kuznetsov. Numerical modeling of senile plaque development under conditions of limited diffusivity of amyloid-β monomers. *Journal of Theoretical Biology*, 587(??):??, June 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324001048`.

Khalili:2023:SIR

[KV23] Pariya Khalili and Ramin Vatankhah. Studying the importance of regulatory T cells in chemoimmunotherapy mathematical modeling and proposing new approaches for developing a mathematical dynamic of cancer. *Journal of Theoretical Biology*, 563(??):??, April 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000334`.

Kumakura:2023:DGC

[KYHN23] Daiki Kumakura, Ryo Yamaguchi, Akane Hara, and Shinji Nakaoka. Disentangling the growth curve of microbial culture. *Journal of Theoretical Biology*, 573(??):??, September 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001947`.

Kobayashi:2021:OCR

[KYI21] Ryota Kobayashi, Sachi Yamaguchi, and Yoh Iwasa. Optimal control of root nodulation — Prediction of life history theory of a mutualistic system. *Journal of Theoretical Biology*, 510(??):Article 110544, February 7, 2021. CO-

DEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320303994.

Liu:2020:RDE

[LB20] Lin Liu and Alexander Bockmayr. Regulatory dynamic enzyme-cost flux balance analysis: a unifying framework for constraint-based modeling. *Journal of Theoretical Biology*, 501(??):Article 110317, September 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320301727.

Liao:2024:CAP

[LBF24] Kang-Ling Liao, Xue-Feng Bai, and Avner Friedman. IL-27 in combination with anti-PD-1 can be anti-cancer or pro-cancer. *Journal of Theoretical Biology*, 579(??):??, February 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519323003016.

Liao:2021:MME

[LCMW21] Kang-Ling Liao, Wei-Chen Chang, Jeffrey M. Marcus, and Jenn-Nan Wang. Mathematical modeling of the eyespots in butterfly wings. *Journal of Theoretical Biology*, 531(??):Article 110898, December 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519321003179.

Lu:2023:RBD

[LCYD23] Zhengshu Lu, Xu Chen, Jing Yang, and Yanrui Ding. RSC-based differential model with correlation removal for improving multi-omics clustering. *Journal of Theoretical Biology*, 556(??):??, January 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322003198.

Li:2022:TSR

[LDaH22] Cancan Li, Qi Dai, and Ping an He. A time series representation of protein sequences for similarity comparison. *Journal of Theoretical Biology*, 538(??):Article 111039, April

7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000376`.

Lappo:2023:CAC

[LDF23] Egor Lappo, Kaleda K. Denton, and Marcus W. Feldman. Conformity and anti-conformity in a finite population. *Journal of Theoretical Biology*, 562(??):??, April 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000255`.

Li:2024:APE

[LDL+24] Shulan Li, Chunpeng Du, Xingxu Li, Chen Shen, and Lei Shi. Antisocial peer exclusion does not eliminate the effectiveness of prosocial peer exclusion in structured populations. *Journal of Theoretical Biology*, 576(??):??, January 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932300262X`.

Lehtinen:2021:EEC

[Leh21] Sami O. Lehtinen. Ecological and evolutionary consequences of predator-prey role reversal: Allee effect and catastrophic predator extinction. *Journal of Theoretical Biology*, 510(??):Article 110542, February 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303970`.

Lehmann:2022:HRE

[Leh22] Laurent Lehmann. Hamilton's rule, the evolution of behavior rules and the wizardry of control theory. *Journal of Theoretical Biology*, 555(??):Article 111282, December 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002739`.

Lei:2020:GMF

[Lei20] Jinzhi Lei. A general mathematical framework for understanding the behavior of heterogeneous stem cell regeneration. *Journal of Theoretical Biology*, 492(??):Article 110196, May 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print),

1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300515`.

Lin:2021:MDM

[LFJ21] Hsin-Yi Lin, William F. Fagan, and Pierre-Emmanuel Jabin. Memory-driven movement model for periodic migrations. *Journal of Theoretical Biology*, 508(??):Article 110486, January 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303416`.

Li:2023:WSS

[LFT+23] Cong Li, Tianjiao Feng, Yi Tao, Xiudeng Zheng, and Jiajia Wu. Weak selection and stochastic evolutionary stability in a stochastic replicator dynamics. *Journal of Theoretical Biology*, 570(??):??, August 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001200`.

Liu:2024:MST

[LFY+24] Jiashuai Liu, Zhenmin Fan, Xia Ye, Yingying Zhang, Mingyuan Liu, and Xiaoyan Deng. Modelling of the in-stent thrombus formation by dissipative particle dynamics. *Journal of Theoretical Biology*, 582(??):??, April 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000390`.

Li:2024:MMF

[LFZ+24] Xiong Li, Xuan Feng, Juan Zhou, Yuchao Luo, Xiao Chen, Jiapeng Zhao, Haowen Chen, Guoming Xiong, and Guoliang Luo. A multi-modal feature fusion method based on deep learning for predicting immunotherapy response. *Journal of Theoretical Biology*, 586(??):??, June 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000973`.

Lindwall:2023:BIA

[LG23] Gustav Lindwall and Philip Gerlee. Bayesian inference on the Allee effect in cancer cell line populations using time-lapse microscopy images. *Journal of Theoretical Biology*, 574(??):??,

October 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002217`.

Li:2023:MMN

[LGBG23] K. Li, A. J. Gallo, B. J. Binder, and J. E. F. Green. A mathematical model for nutrient-limited uniaxial growth of a compressible tissue. *Journal of Theoretical Biology*, 575(??):??, November 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932300228X`.

Lindsly:2021:UMB

[LGSR21] Stephen Lindsly, Maya Gupta, Cooper Stansbury, and Indika Rajapakse. Understanding memory B cell selection. *Journal of Theoretical Biology*, 531(??):Article 110905, December 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003246`.

Lambert:2021:MCM

[LGT21] Ben Lambert, David J. Gavaghan, and Simon J. Tavener. A Monte Carlo method to estimate cell population heterogeneity from cell snapshot data. *Journal of Theoretical Biology*, 511(??):Article 110541, February 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303969`.

Loos:2020:RCH

[LH20] Carolin Loos and Jan Hasenauer. Robust calibration of hierarchical population models for heterogeneous cell populations. *Journal of Theoretical Biology*, 488(??):Article 110118, March 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304874`.

Leech:2022:MMA

[LHG+22] V. Leech, J. W. Hazel, J. C. Gatlin, A. E. Lindsay, and A. Manhart. Mathematical modeling accurately predicts the dynamics and scaling of nuclear growth in discrete cytoplasmic volumes. *Journal of Theoretical Biology*, 533(??):Article 110936, January 21, 2022. CO-

DEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003556`.

Leng:2020:IPA

[LK20] Trystan Leng and Matt J. Keeling. Improving pairwise approximations for network models with susceptible-infected-susceptible dynamics. *Journal of Theoretical Biology*, 500(??):Article 110328, September 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301831`.

Lechthaler:2020:TPL

[LKP+20] Silvia Lechthaler, Natasa Kiorapostolou, Andrea Pitacco, Tommaso Anfodillo, and Giai Petit. The total path length hydraulic resistance according to known anatomical patterns: What is the shape of the root-to-leaf tension gradient along the plant longitudinal axis? *Journal of Theoretical Biology*, 502(??):Article 110369, October 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302241`.

Li:2020:EMI

[LL20] Wenjie Li and Yao Li. Entropy, mutual information, and systematic measures of structured spiking neural networks. *Journal of Theoretical Biology*, 501(??):Article 110310, September 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932030165X`.

Li:2021:EOS

[LL21] Cong Li and Sabin Lessard. The effect of the opting-out strategy on conditions for selection to favor the evolution of cooperation in a finite population. *Journal of Theoretical Biology*, 510(??):Article 110543, February 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303982`.

Leschiera:2022:MMS

[LLS+22] Emma Leschiera, Tommaso Lorenzi, Shensi Shen, Luis Almeida, and Chloe Audebert. A mathematical model to study the impact of intra-tumour heterogeneity on anti-tumour CD8$^+$ T cell immune response. *Journal of Theoretical Biology*, 538(??):Article 111028, April 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000261`.

Liu:2022:IGL

[LLZ+22] Liyue Liu, Xiangyu Liu, Juan Zhou, Weihua Wu, and Xiong Li. An improved graph Laplacian regularization method for identifying biomarkers of Alzheimer's disease. *Journal of Theoretical Biology*, 543(??):Article 111121, June 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001199`.

Lopez:2021:MRA

[LMA21] Alejandra Rojas López, Pablo Monzón, and Luis Acerenza. A model for the regulation of apoptosis intrinsic pathway: the potential role of the transcriptional regulator E2F in the point of no return. *Journal of Theoretical Biology*, 525(??):??, September 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001879`.

Lee:2022:SOS

[LMB22] Sanghun Lee, Yohsuke Murase, and Seung Ki Baek. A second-order stability analysis for the continuous model of indirect reciprocity. *Journal of Theoretical Biology*, 548 (??):Article 111202, September 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002004`.

Liu:2020:NSE

[LMC+20] Wei Liu, Liangyu Ma, Ling Chen, Bolun Chen, Byeungwoo Jeon, and Jipeng Qiang. A novel scheme for essential protein

discovery based on multi-source biological information. *Journal of Theoretical Biology*, 504(??):Article 110414, November 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302691`.

Li:2021:MWH

[LMC21] Ke Li, James M. McCaw, and Pengxing Cao. Modelling within-host macrophage dynamics in influenza virus infection. *Journal of Theoretical Biology*, 508(??):Article 110492, January 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303477`.

Le:2022:DHM

[LMG22] Thi Minh Thao Le, Sten Madec, and Erida Gjini. Disentangling how multiple traits drive 2 strain frequencies in SIS dynamics with coinfection. *Journal of Theoretical Biology*, 538(??):Article 111041, April 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932200039X`.

Lubenia:2024:CAK

[LML24] Patrick Vincent N. Lubenia, Eduardo R. Mendoza, and Angelyn R. Lao. Comparative analysis of kinetic realizations of insulin signaling. *Journal of Theoretical Biology*, 577(??):??, January 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002692`.

Li:2020:BSM

[LMLP20] Yuan Li, Ian C. McPhee, Michael P. H. Lau, and Leonard F. Pease. Biomimetic surgical mesh to replace fascia with tunable force-displacement. *Journal of Theoretical Biology*, 486(??):Article 110058, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304278`.

Levesque:2021:MCP

[LMS21] Jérôme Levesque, David W. Maybury, and R. H. A. David Shaw. A model of COVID-19 propagation based on a gamma

subordinated negative binomial branching process. *Journal of Theoretical Biology*, 512(??):Article 110536, March 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932030391X`.

Liu:2021:PNR

[LMW21] Z. Liu, P. Magal, and G. Webb. Predicting the number of reported and unreported cases for the COVID-19 epidemics in China, South Korea, Italy, France, Germany and United Kingdom. *Journal of Theoretical Biology*, 509(??):Article 110501, January 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303568`.

Le:2023:SMD

[LNT23] Dieu Huong Le, Trong Hieu Nguyen, and Fugo Takasu. Spatial metapopulation dynamics with local and global colonization. *Journal of Theoretical Biology*, 572(??):??, September 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001765`.

Lema-Perez:2021:PBS

[LPBMA21] Laura Lema-Perez, Carlos E. Builes-Montaño, and Hernan Alvarez. A phenomenological-based semi-physical model of the kidneys and its role in glucose metabolism. *Journal of Theoretical Biology*, 508(??):Article 110489, January 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303441`.

Lie-Panis:2023:RSE

[LPD23] Julien Lie-Panis and Jean-Louis Dessalles. Runaway signals: Exaggerated displays of commitment may result from second-order signaling. *Journal of Theoretical Biology*, 572(??):??, September 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001832`.

Legaria-Pena:2023:EEF

[LPSMCP23] Juan Uriel Legaria-Peña, Félix Sánchez-Morales, and Yuriria Cortés-Poza. Evaluation of entropy and fractal dimension as biomarkers for tumor growth and treatment response using cellular automata. *Journal of Theoretical Biology*, 564(??): ??, May 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000589`.

Lee:2021:DGT

[LR21] Tae Kyu Lee and Isaac I. Rosen. Development of generalized time-dependent TCP model and the investigation of the effect of repopulation and weekend breaks in fractionated external beam therapy. *Journal of Theoretical Biology*, 512(??):Article 110565, March 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320304203`.

Lacy:2022:CDD

[LRAP22] Thomas C. Lacy, Peter A. Robinson, Kevin M. Aquino, and James C. Pang. Cortical depth-dependent modeling of visual hemodynamic responses. *Journal of Theoretical Biology*, 535(??):Article 110978, February 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003982`.

Lovell-Read:2022:ELO

[LRST22] Francesca A. Lovell-Read, Silvia Shen, and Robin N. Thompson. Estimating local outbreak risks and the effects of non-pharmaceutical interventions in age-structured populations: SARS-CoV-2 as a case study. *Journal of Theoretical Biology*, 535(??):Article 110983, February 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321004033`.

Lasri:2021:IMS

[LS21] Ayoub Lasri and Marc Sturrock. The influence of methylation status on a stochastic model of MGMT dynamics in glioblastoma: Phenotypic selection can occur with and

without a downshift in promoter methylation status. *Journal of Theoretical Biology*, 521(??):??, July 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000849`.

Lachance:2020:LSS

[LSW20] Joseph Lachance, Corinne N. Simonti, and Joshua S. Weitz. Large sample spaces do not imply biological systems are 'fine-tuned'. *Journal of Theoretical Biology*, 507(??):Article 110457, December 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932030312X`.

Lehotzky:2021:CAM

[LSZ21] Dávid Lehotzky, Rifat Sipahi, and Günther K. H. Zupanc. Cellular automata modeling suggests symmetric stem-cell division, cell death, and cell drift as key mechanisms driving adult spinal cord growth in teleost fish. *Journal of Theoretical Biology*, 509(??):Article 110474, January 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303295`.

Loo:2022:RPI

[LT22] Sara L. Loo and Mark M. Tanaka. The role of a programmatic immune response on the evolution of pathogen traits. *Journal of Theoretical Biology*, 534(??):Article 110962, February 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003829`.

Legried:2023:IIP

[LT23] Brandon Legried and Jonathan Terhorst. Identifiability and inference of phylogenetic birth-death models. *Journal of Theoretical Biology*, 568(??):??, July 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001169`.

Leyshon:2021:DPD

[LTS+21] Thomas Leyshon, Elisa Tonello, David Schnoerr, Heike Siebert, and Michael P. H. Stumpf. The design principles of discrete Turing patterning systems. *Journal of Theoretical Biology*, 531(??):Article 110901, December 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003209`.

Lutscher:2020:RCE

[LW20] Frithjof Lutscher and Xiaoying Wang. Reactivity of communities at equilibrium and periodic orbits. *Journal of Theoretical Biology*, 493(??):Article 110240, May 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300953`.

Li:2023:EDT

[LWM23] Ao Li, Jianhong Wu, and Seyed M. Moghadas. Epidemic dynamics with time-varying transmission risk reveal the role of disease stage-dependent infectiousness. *Journal of Theoretical Biology*, 573(??):??, September 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001911`.

Li:2020:IAE

[LWXM20] Meili Li, Manting Wang, Shuyang Xue, and Junling Ma. The influence of awareness on epidemic spreading on random networks. *Journal of Theoretical Biology*, 486(??):Article 110090, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251931930459X`.

Li:2021:LDT

[LX21] Tangjuan Li and Yanni Xiao. Linking the disease transmission to information dissemination dynamics: an insight from a multi-scale model study. *Journal of Theoretical Biology*, 526(??):Article 110796, October 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002150`.

Lee:2024:EBC

[LYE+24] Lloyd Lee, Ryan Yoast, Scott Emrich, Mohamed Trebak, Vivien Kirk, and James Sneyd. Emergence of broad cytosolic Ca^{2+} oscillations in the absence of CRAC channels: a model for CRAC-mediated negative feedback on PLC and Ca^{2+} oscillations through PKC. *Journal of Theoretical Biology*, 581(??):??, March 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000213`.

Lee:2020:PVR

[LYYN20] Joung Hun Lee, Ryo Yamaguchi, Hiroyuki Yokomizo, and Mayuko Nakamaru. Preservation of the value of rice paddy fields: Investigating how to prevent farmers from abandoning the fields by means of evolutionary game theory. *Journal of Theoretical Biology*, 495(??):Article 110247, June 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301028`.

Lv:2023:HUE

[LZ23] Yanzhao Lv and Zupeng Zhou. Humeri under external load: Mechanical implications of differing bone curvature in American otter and honey badger. *Journal of Theoretical Biology*, 558(??):??, February 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003496`.

Lu:2023:EMR

[LZW23] Ruijin Lu, Hongxiao Zhu, and Xiaowei Wu. Estimating mutation rates in a Markov branching process using approximate Bayesian computation. *Journal of Theoretical Biology*, 565(??):??, May 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000632`.

Li:2020:SAD

[LZZ20] Chentong Li, Yingying Zhang, and Yicang Zhou. Spatially antiviral dynamics determines HCV in vivo replication and evolution. *Journal of Theoretical Biology*,

503(??):Article 110378, October 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302332`.

Li:2023:ABV

[LZZ+23] Zhaowan Li, Jianguo Zhao, Yuhao Zhou, Lina Tian, Qihuai Liu, Huaiping Zhu, and Guanghu Zhu. Adaptive behaviors and vaccination on curbing COVID-19 transmission: Modeling simulations in eight countries. *Journal of Theoretical Biology*, 559(??):??, February 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003708`.

Montaseri:2020:MMF

[MAHMH20] Ghazal Montaseri, Juan Carlos López Alfonso, Haralampos Hatzikirou, and Michael Meyer-Hermann. A minimal modeling framework of radiation and immune system synergy to assist radiotherapy planning. *Journal of Theoretical Biology*, 486(??):Article 110099, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304680`.

Martinelli:2024:ROI

[Mar24] Agostino Martinelli. Revisiting the observability and identifiability properties of a popular HIV model. *Journal of Theoretical Biology*, 584(??):??, May 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000614`.

Mairet:2021:PDM

[MB21] Francis Mairet and Térence Bayen. The promise of dawn: Microalgae photoacclimation as an optimal control problem of resource allocation. *Journal of Theoretical Biology*, 515(??):Article 110597, April 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000199`.

Mukund:2022:TSP

[MB22] Adi Mukund and Lacramioara Bintu. Temporal signaling, population control, and information processing through chromatin-mediated gene regulation. *Journal of Theoretical Biology*, 535(??):Article 110977, February 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003970`.

Mayer-Bacon:2021:BCU

[MBF21] Christopher Mayer-Bacon and Stephen J. Freeland. A broader context for understanding amino acid alphabet optimality. *Journal of Theoretical Biology*, 520(??):??, July 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000837`.

MacQueen:2022:MGF

[MBT22] Sarah A. MacQueen, W. John Braun, and Rebecca C. Tyson. Memory-guided foraging and landscape design interact to determine ecosystem services. *Journal of Theoretical Biology*, 534(??):Article 110958, February 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003775`.

Mazzolini:2020:GSE

[MC20a] Andrea Mazzolini and Antonio Celani. Generosity, selfishness and exploitation as optimal greedy strategies for resource sharing. *Journal of Theoretical Biology*, 485 (??):Article 110041, January 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304102`.

Mukhopadhyay:2020:POC

[MC20b] Archan Mukhopadhyay and Sagar Chakraborty. Periodic orbit can be evolutionarily stable: Case study of discrete replicator dynamics. *Journal of Theoretical Biology*, 497(??):Article 110288, July 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301430`.

Munoz:2022:PMS

[MC22] Estefanía Muñoz and Jorge Carneiro. Plant-microbe symbiosis widens the habitability range of the Daisyworld. *Journal of Theoretical Biology*, 554(??):Article 111275, December 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002661`.

Melfo:2020:IBN

[MCL20] Alejandra Melfo, Ragan M. Callaway, and Luis D. Llambí. Interactions between nurse plants and parasitic beneficiaries: a theoretical approach to indirect facilitation. *Journal of Theoretical Biology*, 494(??):Article 110238, June 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932030093X`.

Meyer:2021:DAS

[MCL21] Emily E. Meyer, Colleen E. Clancy, and Timothy J. Lewis. Dynamics of adrenergic signaling in cardiac myocytes and implications for pharmacological treatment. *Journal of Theoretical Biology*, 519(??):??, June 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000412`.

Meehan:2020:PSI

[MCM20] Michael T. Meehan, Robert C. Cope, and Emma S. McBryde. On the probability of strain invasion in endemic settings: Accounting for individual heterogeneity and control in multi-strain dynamics. *Journal of Theoretical Biology*, 487(??):Article 110109, February 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304783`.

McGrane-Corrigan:2024:ISG

[MCMdAM24] Blake McGrane-Corrigan, Oliver Mason, and Rafael de Andrade Moral. Inferring stochastic group interactions within structured populations via coupled autoregression. *Journal of Theoretical Biology*, 584(??):??, May 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (elec-

tronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000742`.

Miller:2021:MPC

[MCO21] Claire Miller, Edmund Crampin, and James M. Osborne. Maintaining the proliferative cell niche in multicellular models of epithelia. *Journal of Theoretical Biology*, 527 (??):Article 110807, October 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002265`.

Montefusco:2020:HAC

[MCP20] Francesco Montefusco, Giuliana Cortese, and Morten G. Pedersen. Heterogeneous alpha-cell population modeling of glucose-induced inhibition of electrical activity. *Journal of Theoretical Biology*, 485(??):Article 110036, January 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304059`.

Manjoo-Docrat:2022:SSM

[MD22] Raeesa Manjoo-Docrat. A spatio-stochastic model for the spread of infectious diseases. *Journal of Theoretical Biology*, 533(??):Article 110943, January 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003623`.

Meaney:2023:DLC

[MDCK23] Cameron Meaney, Sunit Das, Errol Colak, and Mohammad Kohandel. Deep learning characterization of brain tumours with diffusion weighted imaging. *Journal of Theoretical Biology*, 557(??):??, January 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003332`.

Moyles:2021:QSU

[MDF21] I. R. Moyles, J. G. Donohue, and A. C. Fowler. Quasi-steady uptake and bacterial community assembly in a mathematical model of soil-phosphorus mobility. *Journal of Theoretical Biology*, 509(??):Article 110530, January 21, 2021.

CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303854`.

Meca:2024:MTE

[MDG24] Esteban Meca, Concepción M. Díez, and Brandon S. Gaut. Modeling transposable elements dynamics during polyploidization in plants. *Journal of Theoretical Biology*, 579(??):??, February 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002989`.

Miele:2021:RST

[MEA21] Leonardo Miele, R. M. L. Evans, and Sandro Azaele. Redundancy-selection trade-off in phenotype-structured populations. *Journal of Theoretical Biology*, 531(??): Article 110884, December 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003039`.

Mohsin:2024:STV

[MEBNZ24] Nuverah Mohsin, Heiko Enderling, Renee Brady-Nicholls, and Mohammad U. Zahid. Simulating tumor volume dynamics in response to radiotherapy: Implications of model selection. *Journal of Theoretical Biology*, 576(??):??, January 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002539`.

Massard:2022:MSE

[MEPS22] Mathilde Massard, Raluca Eftimie, Antoine Perasso, and Bruno Saussereau. A multi-strain epidemic model for COVID-19 with infected and asymptomatic cases: Application to French data. *Journal of Theoretical Biology*, 545(??):Article 111117, July 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001151`.

Moise:2021:MMM

[MF21] Nicolae Moise and Avner Friedman. A mathematical model of the multiple sclerosis plaque. *Journal of Theoreti-*

cal Biology, 512(??):Article 110532, March 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303878`.

Moise:2022:MMI

[MF22] Nicolae Moise and Avner Friedman. A mathematical model of immunomodulatory treatment in myocardial infarction. *Journal of Theoretical Biology*, 544(??):Article 111122, July 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001205`.

Marquez-Florez:2023:CMA

[MFGACST23] K. Márquez-Flórez, D. A. Garzón-Alvarado, C. Carda, and M. Sancho-Tello. Computational model of articular cartilage regeneration induced by scaffold implantation *in vivo*. *Journal of Theoretical Biology*, 561(??):??, March 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003848`.

Milne:2021:CPA

[MG21] Russell Milne and Frederic Guichard. Coupled phase-amplitude dynamics in heterogeneous metacommunities. *Journal of Theoretical Biology*, 523(??):??, August 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000989`.

Mesterton-Gibbons:2021:EET

[MGCH21] Mike Mesterton-Gibbons, Antonino Cusumano, and Ian C. W. Hardy. Escaping the evolutionary trap: Can size-related contest advantage compensate for juvenile mortality disadvantage when parasitoids develop in unnatural invasive hosts? *Journal of Theoretical Biology*, 527(??):Article 110821, October 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932100240X`.

Martinez-Garcia:2020:HRR

[MGFS+20] Ricardo Martinez-Garcia, Christen H. Fleming, Ralf Seppelt, William F. Fagan, and Justin M. Calabrese. How range

residency and long-range perception change encounter rates. *Journal of Theoretical Biology*, 498(??):Article 110267, August 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301223`.

Manceau:2021:PDA

[MGVS21] Marc Manceau, Ankit Gupta, Timothy Vaughan, and Tanja Stadler. The probability distribution of the ancestral population size conditioned on the reconstructed phylogenetic tree with occurrence data. *Journal of Theoretical Biology*, 509(??):Article 110400, January 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302551`.

Martignoni:2021:CIA

[MGZ+21] Maria M. Martignoni, Jimmy Garnier, Xinlu Zhang, Daniel Rosa, Vasilis Kokkoris, Rebecca C. Tyson, and Miranda M. Hart. Co-inoculation with arbuscular mycorrhizal fungi differing in carbon sink strength induces a synergistic effect in plant growth. *Journal of Theoretical Biology*, 531 (??):Article 110859, December 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002782`.

Mallela:2022:OMS

[MH22a] Abhishek Mallela and Alan Hastings. Optimal management of stochastic invasion in a metapopulation with Allee effects. *Journal of Theoretical Biology*, 549(??): Article 111221, September 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002193`.

McAlister:2022:ADM

[MH22b] John S. McAlister and Ian M. Hamilton. An adaptive dynamic model of a vigilance game among group foragers. *Journal of Theoretical Biology*, 538(??):Article 111030, April 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000285`.

Matsuo:2023:MCC

[MHI23] Kosei Matsuo, Rena Hayashi, and Yoh Iwasa. Multiple colonies of cancer involved in mutual suppression with the immune system. *Journal of Theoretical Biology*, 572(??):??, September 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001741`.

Monter:2023:DRS

[MHPB23] Samuel Monter, Veit-Lorenz Heuthe, Emanuele Panizon, and Clemens Bechinger. Dynamics and risk sharing in groups of selfish individuals. *Journal of Theoretical Biology*, 562(??): ??, April 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000292`.

Minucci:2021:MMV

[MHV+21] Sarah Minucci, Rebecca L. Heise, Michael S. Valentine, Franck J. Kamga Gninzeko, and Angela M. Reynolds. Mathematical modeling of ventilator-induced lung inflammation. *Journal of Theoretical Biology*, 526(??):Article 110738, October 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001600`.

Melkikh:2020:AIT

[MI20] A. V. Melkikh and K. D. Izmozherova. Active ion transport as the basis for water movement in plants. *Journal of Theoretical Biology*, 500(??):Article 110332, September 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301879`.

Mimura:2023:CCB

[MI23] Tomohiro Mimura and Yasuhiro Inoue. Cell-center-based model for simulating three-dimensional monolayer tissue deformation. *Journal of Theoretical Biology*, 571(??):??, August 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001571`.

Mardanpour:2021:IWF

[MIP+21] Pezhman Mardanpour, Ehsan Izadpanahi, Shanae Powell, Siavash Rastkar, and Adrian Bejan. Inflected wings in flight: Uniform flow of stresses makes strong and light wings for stable flight. *Journal of Theoretical Biology*, 508(??):Article 110452, January 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303076`.

Mitarai:2020:HPP

[Mit20] Namiko Mitarai. How pirate phage interferes with helper phage: Comparison of the two distinct strategies. *Journal of Theoretical Biology*, 486(??):Article 110096, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304655`.

Mackey:2021:MAR

[MK21] Crystal Mackey and Christopher Kribs. Modeling anthrax–rabies interactions in zebra–jackal cycles. *Journal of Theoretical Biology*, 511(??):Article 110553, February 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320304082`.

Morris:2021:SHM

[ML21] Patricia Morris and Frithjof Lutscher. A seasonal hybrid model for the evolution of flowering onset. *Journal of Theoretical Biology*, 523(??):??, August 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000904`.

Mafessoni:2021:FIC

[MLG21] Fabrizio Mafessoni, Michael Lachmann, and Chaitanya S. Gokhale. On the fitness of informative cues in complex environments. *Journal of Theoretical Biology*, 527(??):Article 110819, October 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002381`.

MacKay:2021:DDL

[MLK21] Laurent MacKay, Etienne Lehman, and Anmar Khadra. Deciphering the dynamics of lamellipodium in a fish keratocytes model. *Journal of Theoretical Biology*, 512 (??):Article 110534, March 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303891`.

Meng:2022:EDM

[MM22] Lingqi Meng and Naoki Masuda. Epidemic dynamics on metapopulation networks with node2vec mobility. *Journal of Theoretical Biology*, 534(??):Article 110960, February 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003805`.

Maciel:2021:ESC

[MMG21] Gabriel Andreguetto Maciel and Ricardo Martinez-Garcia. Enhanced species coexistence in Lotka–Volterra competition models due to nonlocal interactions. *Journal of Theoretical Biology*, 530(??):Article 110872, December 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002915`.

Mamiya:2021:CEZ

[MMI21] Azumi Mamiya, Daiki Miyagawa, and Genki Ichinose. Conditions for the existence of zero-determinant strategies under observation errors in repeated games. *Journal of Theoretical Biology*, 526(??):Article 110810, October 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002290`.

Miyagawa:2022:APA

[MMI22] Daiki Miyagawa, Azumi Mamiya, and Genki Ichinose. Adapting paths against zero-determinant strategies in repeated prisoner's dilemma games. *Journal of Theoretical Biology*, 549(??):Article 111211, September 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002090`.

Morikawa:2023:URD

[MMS+23] Kentaro Morikawa, Shinichi Morita, Kazuki Sakura, Akiteru Maeno, Hiroki Gotoh, Teruyuki Niimi, and Yasuhiro Inoue. Unveiling the role of differential growth in 3D morphogenesis: an inference method to analyze area expansion rate distribution in biological systems. *Journal of Theoretical Biology*, 575(??):??, November 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002473`.

Morita:2023:EIH

[MN23] Satoru Morita and Kuninori Nakagawa. Evaluating the impact of human flow on the spread of infectious diseases. *Journal of Theoretical Biology*, 558(??):??, February 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003587`.

Ma:2022:MCI

[MP22] Linda Ma and Mainak Patel. Mechanism of carbachol-induced 40 Hz gamma oscillations and the effects of NMDA activation on oscillatory dynamics in a model of the CA3 subfield of the hippocampus. *Journal of Theoretical Biology*, 548(??):Article 111200, September 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001989`.

Mahmoodi:2023:NIP

[MPA23] Mohammad Mahmoodi, Ahmadreza Pishevar, and Farzaneh Azargoshasbi. Numerical investigation of the pharmacokinetics and pharmacodynamics of the chemotherapeutic drug in avascular and vascular stages of a brain tumor. *Journal of Theoretical Biology*, 575(??):??, November 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002308`.

Mitchinson:2024:SMT

[MPC+24] A. J. Mitchinson, M. Pogson, G. Czanner, D. Conway, R. R. Wilkinson, M. F. Murphy, I. Siekmann, and S. D. Webb.

A stochastic model for topographically influenced cell migration. *Journal of Theoretical Biology*, 581(??):??, March 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000262`.

Malige:2022:MML

[MPH+22] Franck Malige, Julie Patris, Maxime Hauray, Pascale Giraudet, and Hervé Glotin. Mathematical models of long term evolution of blue whale song types' frequencies. *Journal of Theoretical Biology*, 548(??):Article 111184, September 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001825`.

Marrero-Ponce:2020:LBG

[MPTCT+20] Yovani Marrero-Ponce, Julio E. Teran, Ernesto Contreras-Torres, César R. García-Jacas, Yunierkis Perez-Castillo, Nestor Cubillan, Facundo Peréz-Giménez, and José R. Valdés-Martini. LEGO-based generalized set of two linear algebraic 3D bio-macro-molecular descriptors: Theory and validation by QSARs. *Journal of Theoretical Biology*, 485(??):Article 110039, January 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304084`.

Mirchi:2020:EDT

[MS20] Pedram Mirchi and M. Soltani. Estimation of drug and tumor properties using novel hybrid meta-heuristic methods. *Journal of Theoretical Biology*, 488(??):Article 110121, March 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304904`.

Mandal:2024:NEP

[MSB24] Arindam Mandal, Nazmul Sk, and Saswati Biswas. Nutrient enrichment and phytoplankton toxicity influence a diversity of complex dynamics in a fear-induced plankton-fish model. *Journal of Theoretical Biology*, 578(??):??, February 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002953`.

Mehra:2022:HDP

[MSK+22] Somya Mehra, Eva Stadler, David Khoury, James M. McCaw, and Jennifer A. Flegg. Hypnozoite dynamics for *Plasmodium vivax* malaria: the epidemiological effects of radical cure. *Journal of Theoretical Biology*, 537(??):Article 111014, March 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000121`.

Matsufuji:2023:OSI

[MSL23] Taiga Matsufuji and Sungrim Seirin-Lee. The optimal strategy of incompatible insect technique (IIT) using *Wolbachia* and the application to malaria control. *Journal of Theoretical Biology*, 569(??):??, July 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001157`.

Magalie:2023:ODS

[MSLW23] Andreea Magalie, Daniel A. Schwartz, Jay T. Lennon, and Joshua S. Weitz. Optimal dormancy strategies in fluctuating environments given delays in phenotypic switching. *Journal of Theoretical Biology*, 561(??):??, March 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000097`.

McHuron:2023:IPA

[MSM23] Elizabeth A. McHuron, Jeremy T. Sterling, and Marc Mangel. The influence of prey availability on behavioral decisions and reproductive success of a central-place forager during lactation. *Journal of Theoretical Biology*, 560(??):??, March 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003836`.

Mei:2022:EGD

[MTLZ22] Jie Mei, Yi Tao, Cong Li, and Xiu-Deng Zheng. Evolutionary game dynamics with non-uniform interaction rates in finite population. *Journal of Theoretical Biology*, 540(??):Article 111086, May 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S0022519322000844.

Mitchell:2020:PHB

[MW20] Evan Mitchell and Geoff Wild. Prophylactic host behaviour discourages pathogen exploitation. *Journal of Theoretical Biology*, 503(??):Article 110388, October 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320302435.

Mullon:2021:CDG

[MWO21] Charles Mullon, Joe Yuichiro Wakano, and Hisashi Ohtsuki. Coevolutionary dynamics of genetic traits and their long-term extended effects under non-random interactions. *Journal of Theoretical Biology*, 525(??):??, September 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519321001727.

Murray:2020:NCD

[MY20] Ryan Murray and Glenn Young. Neutral competition in a deterministically changing environment: Revisiting continuum approaches. *Journal of Theoretical Biology*, 486(??):Article 110104, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519319304734.

Musa:2020:MML

[MZG+20] Salihu S. Musa, Shi Zhao, Daozhou Gao, Qianying Lin, Gerardo Chowell, and Daihai He. Mechanistic modelling of the large-scale Lassa fever epidemics in Nigeria from 2016 to 2019. *Journal of Theoretical Biology*, 493(??):Article 110209, May 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320300643.

Meng:2020:NAT

[MZLJ20] Jingbo Meng, Wensheng Zhu, Canhui Li, and Kyongson Jon. A novel association test for rare variants based on algebraic statistics. *Journal of Theoretical Biology*,

493(??):Article 110228, May 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300837`.

Nahalkova:2020:MMA

[Nah20] Jarmila Nahálková. The molecular mechanisms associated with PIN7, a protein-protein interaction network of seven pleiotropic proteins. *Journal of Theoretical Biology*, 487(??):Article 110124, February 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251931930493X`.

Nah:2020:IIV

[NAR+20] Kyeongah Nah, Mahnaz Alavinejad, Ashrafur Rahman, Jane M. Heffernan, and Jianhong Wu. Impact of influenza vaccine-modified infectivity on attack rate, case fatality ratio and mortality. *Journal of Theoretical Biology*, 492(??):Article 110190, May 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300400`.

Nitschke:2023:EBS

[NBBR23] Matthew C. Nitschke, Andrew J. Black, Pierrick Bourrat, and Paul B. Rainey. The effect of bottleneck size on evolution in nested Darwinian populations. *Journal of Theoretical Biology*, 561(??):??, March 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000103`.

Nakajima:2020:CSD

[NCL20] Rafael Takahiro Nakajima, Pedro Rafael Costa, and Ney Lemke. Cooperative and sequence-dependent model for RNAP dynamics: Application to ribosomal gene transcription. *Journal of Theoretical Biology*, 488(??):Article 110134, March 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251931930503X`.

Nicolis:2022:EIA

[ND22] Stamatios C. Nicolis and Jean-Louis Deneubourg. The effect of idiosyncrasy on aggregation in group-living organisms. *Journal of Theoretical Biology*, 542(??):Article 111120, June 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001187`.

Nisal:2020:PMV

[NDB20] Apoorva Nisal, Urmila Diwekar, and Vibha Bhalerao. Personalized medicine for in vitro fertilization procedure using modeling and optimal control. *Journal of Theoretical Biology*, 487(??):Article 110105, February 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304746`.

Newman:2020:CDW

[New20] Stuart A. Newman. Cell differentiation: What have we learned in 50 years? *Journal of Theoretical Biology*, 485(??):Article 110031, January 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304011`.

Ngonghala:2021:HCS

[NGKB21] Calistus N. Ngonghala, Palak Goel, Daniel Kutor, and Samit Bhattacharyya. Human choice to self-isolate in the face of the COVID-19 pandemic: a game dynamic modelling approach. *Journal of Theoretical Biology*, 521(??):??, July 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001144`.

Ngonghala:2022:AII

[Ngo22] Calistus N. Ngonghala. Assessing the impact of insecticide-treated nets in the face of insecticide resistance on malaria control. *Journal of Theoretical Biology*, 555(??):Article 111281, December 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002727`.

Nemati:2023:CPE

[NKE23] Hossein Nemati, Kamran Kaveh, and Mohammad Reza Ejtehadi. Counterintuitive properties of evolutionary measures: a stochastic process study in cyclic population structures with periodic environments. *Journal of Theoretical Biology*, 564(??):??, May 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000322`.

Noel:2023:PII

[NM23] Frédérique Noël and Benjamin Mauroy. Propagation of an idealized infection in an airway tree, consequences of the inflammation on the oxygen transfer to blood. *Journal of Theoretical Biology*, 561(??):??, March 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000012`.

Naim:2021:SMI

[NMC+21] Wan Naimah Wan Ab Naim, Mohd Jamil Mohamed Mokhtarudin, Bee Ting Chan, Einly Lim, Azam Ahmad Bakir, and Nik Abdullah Nik Mohamed. The study of myocardial ischemia-reperfusion treatment through computational modelling. *Journal of Theoretical Biology*, 509 (??):Article 110527, January 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303829`.

Ni:2020:MRG

[NNG20] Junjun Ni, Charles Wang Wai Ng, and Yufeng Gao. Modelling root growth and soil suction due to plant competition. *Journal of Theoretical Biology*, 484(??):Article 110019, January 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319303893`.

Nasab:2023:MSM

[NNOBS23] Mohammad Salar Ghasemi Nasab, Hanieh Niroomand-Oscuii, Hossein Bazmara, and Majid Soltani. Multi-scale model of lumen formation via inverse membrane blebbing

mechanism during sprouting angiogenesis process. *Journal of Theoretical Biology*, 556(??):??, January 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003034`.

Nishihara:2024:MPT

[NO24] Shin Nishihara and Toru Ohira. The mechanism of pattern transitions between formation and dispersion. *Journal of Theoretical Biology*, 581(??):??, March 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000171`.

Nourani:2020:AEB

[NR20] Esmaeil Nourani and Vahideh Reshadat. Association extraction from biomedical literature based on representation and transfer learning. *Journal of Theoretical Biology*, 488(??):Article 110112, March 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304813`.

Nugent:2022:ERP

[NSD22] Andrew Nugent, Emma Southall, and Louise Dyson. Exploring the role of the potential surface in the behaviour of early warning signals. *Journal of Theoretical Biology*, 554(??):Article 111269, December 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002600`.

Nishiyama:2022:MEL

[NTTI22] Takara Nishiyama, Toru Takada, Hiroaki Takeuchi, and Shingo Iwami. Maternal embryonic leucine zipper kinase (MELK) optimally regulates the HIV-1 uncoating process. *Journal of Theoretical Biology*, 545(??):Article 111152, July 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001503`.

Nguyen:2022:TGE

[NV22] Vu A. T. Nguyen and Dervis Can Vural. Theoretical guidelines for editing ecological communities. *Journal of Theoretical Biology*, 534(??):Article 110945, February 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003647`.

Nematollahi:2020:NAC

[NVS20] Mohammad Hassan Nematollahi, Ramin Vatankhah, and Mojtaba Sharifi. Nonlinear adaptive control of tuberculosis with consideration of the risk of endogenous reactivation and exogenous reinfection. *Journal of Theoretical Biology*, 486(??):Article 110081, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304503`.

Northrup:2024:EDH

[NWP+24] Graham R. Northrup, Andy White, Steven R. Parratt, Carly Rozins, Anna-Liisa Laine, and Mike Boots. The evolutionary dynamics of hyperparasites. *Journal of Theoretical Biology*, 582(??):??, April 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000225`.

Nikolov:2020:RCG

[NWVN20] Svetoslav Nikolov, Olaf Wolkenhauer, Julio Vera, and Momchil Nenov. The role of cooperativity in a p53–miR34 dynamical mathematical model. *Journal of Theoretical Biology*, 495(??):Article 110252, June 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301077`.

Osojnik:2020:ICI

[OGD+20] Ana Osojnik, Eamonn A. Gaffney, Michael Davies, James W. T. Yates, and Helen M. Byrne. Identifying and characterising the impact of excitability in a mathematical model of tumour-immune interactions. *Journal of Theoretical Biology*, 501(??):Article 110250, September 21, 2020. CO-

DEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320301053.

Omori:2024:HMA

[OIK+24] Ryosuke Omori, Koichi Ito, Shunsuke Kanemitsu, Ryusuke Kimura, and Yoh Iwasa. Human movement avoidance decisions during Coronavirus disease 2019 in Japan. *Journal of Theoretical Biology*, 585(??):??, May 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519324000766.

Oda:2021:QAE

[OKF+21] Takafumi Oda, Kwang Su Kim, Yasuhisa Fujita, Yusuke Ito, Tomoyuki Miura, and Shingo Iwami. Quantifying antiviral effects against simian/human immunodeficiency virus induced by host immune response. *Journal of Theoretical Biology*, 509(??):Article 110493, January 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320303489.

OConnell:2021:CFS

[OKT+21] Delaney O'Connell, Catherine E. Kehl, Brian K. Taylor, Joseph Piacenza, Susan Piacenza, and Kenneth John Faller II. A computational framework for studying energetics and resource management in sea turtle migration and autonomous systems. *Journal of Theoretical Biology*, 527(??):Article 110815, October 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519321002344.

Olejarz:2024:GDE

[ON24] Jason W. Olejarz and Martin A. Nowak. Gene drives for the extinction of wild metapopulations. *Journal of Theoretical Biology*, 577(??):??, January 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519323002515.

Onifade:2024:DGL

[ORT24] Akindele Akano Onifade, Jan Rychtár, and Dewey Taylor. A dynamic game of lymphatic filariasis prevention by voluntary use of insecticide treated nets. *Journal of Theoretical Biology*, 585(??):??, May 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000778`.

Ohtsuki:2020:CDD

[ORW+20] Hisashi Ohtsuki, Claus Rueffler, Joe Yuichiro Wakano, Kalle Parvinen, and Laurent Lehmann. The components of directional and disruptive selection in heterogeneous group-structured populations. *Journal of Theoretical Biology*, 507(??):Article 110449, December 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303040`.

Otero:2021:TMP

[OSAR21] Marcelo Otero, Silvina N. Sarno, Sofía L. Acebedo, and Javier A. Ramírez. Tracing molecular properties throughout evolution: a chemoinformatic approach. *Journal of Theoretical Biology*, 515(??):Article 110601, April 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000230`.

Oster:2023:LMJ

[Ost23] Andrew M. Oster. A laminar model for the joint development of ocular dominance columns and CO blobs in the primary visual cortex. *Journal of Theoretical Biology*, 572(??):??, September 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001856`.

Omta:2020:QNT

[OTI+20] A. W. Omta, D. Talmy, K. Inomura, A. J. Irwin, Z. V. Finkel, D. Sher, J. D. Liefer, and M. J. Follows. Quantifying nutrient throughput and DOM production by algae in continuous culture. *Journal of Theoretical Biology*, 494(??):Article 110214,

June 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300692`.

Ohtsuki:2022:ISD

[OU22] Hisashi Ohtsuki and Shumpei Ujiyama. Impact of social dominance on the evolution of individual learning. *Journal of Theoretical Biology*, 535(??):Article 110986, February 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321004069`.

Okabe:2021:TSM

[OY21] Takuya Okabe and Jin Yoshimura. Two-step mechanism of spiral phyllotaxis. *Journal of Theoretical Biology*, 508(??):Article 110484, January 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303398`.

Pattni:2023:EED

[PABS23] Karan Pattni, Wajid Ali, Mark Broom, and Kieran J. Sharkey. Eco-evolutionary dynamics in finite network-structured populations with migration. *Journal of Theoretical Biology*, 572(??):??, September 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001844`.

Plaugher:2022:UPI

[PAM22] Daniel Plaugher, Boris Aguilar, and David Murrugarra. Uncovering potential interventions for pancreatic cancer patients via mathematical modeling. *Journal of Theoretical Biology*, 548(??):Article 111197, September 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001953`.

Pandula:2024:IRA

[PAM24] Neel Pandula, Erol Akçay, and Bryce Morsky. Indirect reciprocity with abductive reasoning. *Journal of Theoretical Biology*, 580(??):??, March 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (elec-

tronic). URL http://www.sciencedirect.com/science/article/pii/S0022519323003120.

Park:2022:ECB

[Par22] Peter S. Park. The evolution of cognitive biases in human learning. *Journal of Theoretical Biology*, 541 (??):Article 111031, May 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322000297.

Pedersen:2021:MMH

[PASO21] Rasmus Kristoffer Pedersen, Morten Andersen, Thomas Stiehl, and Johnny T. Ottesen. Mathematical modelling of the hematopoietic stem cell-niche system: Clonal dominance based on stem cell fitness. *Journal of Theoretical Biology*, 518(??):Article 110620, June 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519321000424.

Patsatzis:2022:AAA

[Pat22] Dimitrios G. Patsatzis. Algorithmic asymptotic analysis: Extending the arsenal of cancer immunology modeling. *Journal of Theoretical Biology*, 534(??):Article 110975, February 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519321003957.

Pinti:2021:CAB

[PAV21] Jérôme Pinti, Ken H. Andersen, and André W. Visser. Co-adaptive behavior of interacting populations in a habitat selection game significantly impacts ecosystem functions. *Journal of Theoretical Biology*, 523(??):??, August 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519321000850.

Phillips:2021:NSM

[PB21] Brendon Phillips and Chris T. Bauch. Network structural metrics as early warning signals of widespread vaccine refusal in social-epidemiological networks. *Journal of Theoretical Biology*, 531(??):Article 110881, December 21, 2021.

CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003003`.

Picoche:2022:SBC

[PB22] Coralie Picoche and Frédéric Barraquand. Seed banks can help to maintain the diversity of interacting phytoplankton species. *Journal of Theoretical Biology*, 538 (??):Article 111020, April 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000182`.

Piltz:2020:HSD

[PBB20] Sofia H. Piltz, Cecilia G. Diniz Behn, and Victoria Booth. Habitual sleep duration affects recovery from acute sleep deprivation: a modeling study. *Journal of Theoretical Biology*, 504(??):Article 110401, November 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302563`.

Pitcher:2020:MEE

[PBD+20] Michael J. Pitcher, Ruth Bowness, Simon Dobson, Raluca Eftimie, and Stephen H. Gillespie. Modelling the effects of environmental heterogeneity within the lung on the tuberculosis life-cycle. *Journal of Theoretical Biology*, 506(??):Article 110381, December 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302368`.

Papa:2023:TGC

[PBP23] Federico Papa, Alessandro Borri, and Pasquale Palumbo. Tumour growth control: analysis of alternative approaches. *Journal of Theoretical Biology*, 562(??):??, April 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000164`.

Pan:2021:RVS

[PCLL21] Jichao Pan, Yan Cai, Mengchen Liu, and Zhiyong Li. Role of vascular smooth muscle cell phenotypic switching in plaque

progression: a hybrid modeling study. *Journal of Theoretical Biology*, 526(??):Article 110794, October 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002137`.

Palmer:2021:AAE

[PCR21] Ryan A. Palmer, Isaac V. Chenchiah, and Daniel Robert. Analysis of aerodynamic and electrostatic sensing in mechanoreceptor arthropod hairs. *Journal of Theoretical Biology*, 530(??):Article 110871, December 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002903`.

Palmer:2023:PET

[PCR23] Ryan A. Palmer, Isaac V. Chenchiah, and Daniel Robert. Passive electrolocation in terrestrial arthropods: Theoretical modelling of location detection. *Journal of Theoretical Biology*, 558(??):??, February 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003484`.

Padmanabhan:2023:MHI

[PD23] Pranesh Padmanabhan and Narendra M. Dixit. Modelling how increased Cathepsin B/L and decreased TMPRSS2 usage for cell entry by the SARS-CoV-2 Omicron variant may affect the efficacy and synergy of TMPRSS2 and Cathepsin B/L inhibitors. *Journal of Theoretical Biology*, 572(??):??, September 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001650`.

Portet:2022:INR

[PEMLD22] Stéphanie Portet, Sandrine Etienne-Manneville, Cécile Leduc, and J. C. Dallon. Impact of noise on the regulation of intracellular transport of intermediate filaments. *Journal of Theoretical Biology*, 547(??):Article 111183, August 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001813`.

Pfeuty:2022:MTB

[Pfe22] Benjamin Pfeuty. Multistability and transitions between spatiotemporal patterns through versatile Notch–Hes signaling. *Journal of Theoretical Biology*, 539(??):Article 111060, April 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000583`.

Pozzi:2022:CTA

[PGC+22] G. Pozzi, B. Grammatica, L. Chaabane, M. Catucci, A. Mondino, P. Zunino, and P. Ciarletta. T cell therapy against cancer: a predictive diffuse-interface mathematical model informed by pre-clinical studies. *Journal of Theoretical Biology*, 547(??):Article 111172, August 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001709`.

Ponce:2020:QAE

[PGML20] Luis F. Ponce, Karina García-Martínez, and Kalet León. Quantitative assessment of extracellular IL-1 regulation. *Journal of Theoretical Biology*, 487(??):Article 110113, February 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304825`.

Padilla:2023:MRL

[PGP23] Dustin G. Padilla, Xiaoqian Gong, and Charles Perrings. Modeling the role of land conversion on the spread of an epizootic disease. *Journal of Theoretical Biology*, 557(??):??, January 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003150`.

Pei:2023:DBM

[PHL+23] Yongzhen Pei, Siqi Han, Changguo Li, Jinzhi Lei, and Fengxi Wen. Data-based modeling of breast cancer and optimal therapy. *Journal of Theoretical Biology*, 573(??):??, September 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932300190X`.

Park:2023:VGH

[PHN+23] Hye Jin Park, Christian Hilbe, Martin A. Nowak, Beom Jun Kim, and Hyeong-Chai Jeong. Vacancies in growing habitats promote the evolution of cooperation. *Journal of Theoretical Biology*, 575(??):??, November 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002266`.

Pierson:2021:UGR

[Pie21] Kawika Pierson. Using geometry to rank evenness measures: Towards a deeper understanding of divergence. *Journal of Theoretical Biology*, 531(??):Article 110902, December 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003210`.

Pramanik:2021:MAR

[PJB21] D. Pramanik, M. K. Jolly, and R. Bhat. Matrix adhesion and remodeling diversifies modes of cancer invasion across spatial scales. *Journal of Theoretical Biology*, 524(??):??, September 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001557`.

Pandey:2023:MIC

[PJVR23] Rakesh Pandey, Amit Jangid, Ramalakshmi Gayathri Vinjamuri, and Ramakrishna Ramaswamy. Modelling of indirect cell-cell interaction networks mediated by IFNγ / IL-4 cytokine involved in atopic dermatitis. *Journal of Theoretical Biology*, 556(??):??, January 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932200282X`.

Plazen:2023:EDM

[PK23] Lucie Plazen and Anmar Khadra. Excitable dynamics in a molecularly-explicit model of cell motility: Mixed-mode oscillations and beyond. *Journal of Theoretical Biology*, 564(??):??, May 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000462`.

Posner:2020:CMM

[PL20] Russell Posner and Reinhard Laubenbacher. The contribution of microRNA-mediated regulation to short- and long-term gene expression predictability. *Journal of Theoretical Biology*, 486(??):Article 110055, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304242`.

Parisey:2022:OSM

[PLAC22] Nicolas Parisey, Melen Leclerc, and Katarzyna Adamczyk-Chauvat. Optimal spatial monitoring of populations described by reaction–diffusion models. *Journal of Theoretical Biology*, 534(??):Article 110976, February 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003969`.

Peyhardi:2024:PSD

[PLM24] Jean Peyhardi, Fabien Laroche, and Frédéric Mortier. Pólya-splitting distributions as stationary solutions of multivariate birth-death processes under extended neutral theory. *Journal of Theoretical Biology*, 582(??):??, April 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000365`.

Pontarp:2024:SED

[PLR24] Mikael Pontarp, Per Lundberg, and Jörgen Ripa. The succession of ecological divergence and reproductive isolation in adaptive radiations. *Journal of Theoretical Biology*, 587(??):??, June 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324001000`.

Paquin-Lefebvre:2020:PFC

[PLXD+20] Frédéric Paquin-Lefebvre, Bin Xu, Kelsey L. DiPietro, Alan E. Lindsay, and Alexandra Jilkine. Pattern formation in a coupled membrane-bulk reaction–diffusion model for intracellular polarization and oscillations. *Journal of Theoretical Biology*, 497(??):Article 110242, July 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (elec-

tronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320300977.

Paredes:2023:LEA

[PMCLC+23] Omar Paredes, Elsa Magaña-Cuevas, Sorpresa Lora-Castro, Juan D. Serna-Grilló, D. Y. De la Mora, Diana Ríos Patiño, Rebeca Romo-Vázquez, and J. Alejandro Morales. A letter to the editor about the article "The modularity codes". *Journal of Theoretical Biology*, 559(??):??, February 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322003605.

Parvinen:2021:WED

[PMD21] Kalle Parvinen, Johan A. J. Metz, and Ulf Dieckmann. WITHDRAWN: Environmental dimensionality determines species coexistence. *Journal of Theoretical Biology*, 526 (??):Article 110280, October 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320301351.

Pizarro:2020:DCW

[PO20] Gonzalo Pizarro and J. Fernando Olivera. The dynamics of Ca $^{2+}$ within the sarcoplasmic reticulum of frog skeletal muscle. A simulation study. *Journal of Theoretical Biology*, 504(??):Article 110371, November 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320302265.

Pattni:2021:EGT

[POS21] Karan Pattni, Christopher E. Overton, and Kieran J. Sharkey. Evolutionary graph theory derived from eco-evolutionary dynamics. *Journal of Theoretical Biology*, 519 (??):??, June 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519321000709.

Parvinen:2023:EDU

[POW23] Kalle Parvinen, Hisashi Ohtsuki, and Joe Yuichiro Wakano. Evolution of dispersal under spatio-temporal heterogeneity. *Journal of Theoretical Biology*, 574(??):??, October 7, 2023.

CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002096`.

Pozzobon:2020:MNW

[PP20] Victor Pozzobon and Patrick Perré. Multiscale numerical workflow describing microalgae motion and light pattern incidence towards population growth in a photobioreactor. *Journal of Theoretical Biology*, 498(??):Article 110293, August 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932030148X`. See correction [PP24].

Perret:2022:IRL

[PP22] Cedric Perret and Simon T. Powers. An investigation of the role of leadership in consensus decision-making. *Journal of Theoretical Biology*, 543(??):Article 111094, June 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000923`.

Pozzobon:2024:CMN

[PP24] Victor Pozzobon and Patrick Perré. Corrigendum to "Multiscale numerical workflow describing microalgae motion and light pattern incidence towards population growth in a photobioreactor" [J. Theoret. Biol. **498** (2020) 110293]. *Journal of Theoretical Biology*, 581(??):??, March 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000237`. See [PP20].

Pak:2024:MFE

[PPFB24] Thomas F. Pak, Joe Pitt-Francis, and Ruth E. Baker. A mathematical framework for the emergence of winners and losers in cell competition. *Journal of Theoretical Biology*, 577(??):??, January 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002631`.

Peng:2020:EFA

[PPGB20] Zhen Peng, Alex M. Plum, Praful Gagrani, and David A. Baum. An ecological framework for the analysis of prebiotic chemical reaction networks. *Journal of Theoretical Biology*, 507(??):Article 110451, December 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303064`.

Panday:2021:DSS

[PPS+21] Pijush Panday, Nikhil Pal, Sudip Samanta, Piotr Tryjanowski, and Joydev Chattopadhyay. Dynamics of a stage-structured predator–prey model: cost and benefit of fear-induced group defense. *Journal of Theoretical Biology*, 528(??):Article 110846, November 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002654`.

Patel:2021:OEW

[PR21] Mainak Patel and Aaditya Rangan. Olfactory encoding within the insect antennal lobe: the emergence and role of higher order temporal correlations in the dynamics of antennal lobe spiking activity. *Journal of Theoretical Biology*, 522(??):??, August 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001223`.

Parra-Rojas:2020:QMF

[PRFSHV20] César Parra-Rojas, Boris Fürtig, Harald Schwalbe, and Esteban A. Hernandez-Vargas. Quantitative modeling of the function of kinetically driven transcriptional riboswitches. *Journal of Theoretical Biology*, 506(??):Article 110406, December 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302617`.

Perez:2020:MGD

[PRHS20] Pablo Pérez, Alfonso Ruiz-Herrera, and Ana María San Luis. Management guidelines in disturbance-prone populations: the importance of the intervention time. *Journal of*

Theoretical Biology, 486(??):Article 110075, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304448`.

Payandeh:2020:DEA

[PRJ+20] Zahra Payandeh, Mohammad Reza Rahbar, Abolfazl Jahangiri, Zahra Sadat Hashemi, Alireza Zakeri, Moslem Jafarisani, Mohammad Javad Rasaee, and Saeed Khalili. Design of an engineered ACE2 as a novel therapeutics against COVID-19. *Journal of Theoretical Biology*, 505 (??):Article 110425, November 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302800`.

Proverbio:2024:CHE

[Pro24] Daniele Proverbio. Chemotaxis in heterogeneous environments: a multi-agent model of decentralized gathering past obstacles. *Journal of Theoretical Biology*, 586(??):??, June 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324001012`.

Palacios:2020:MBH

[PRP+20] Ensor Rafael Palacios, Adeel Razi, Thomas Parr, Michael Kirchhoff, and Karl Friston. On Markov blankets and hierarchical self-organisation. *Journal of Theoretical Biology*, 486(??):Article 110089, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304588`.

Pande:2022:HTE

[PS22a] Jayant Pande and Nadav M. Shnerb. How temporal environmental stochasticity affects species richness: Destabilization, neutralization and the storage effect. *Journal of Theoretical Biology*, 539(??):Article 111053, April 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000510`.

Pouryahya:2022:PSU

[PS22b] Fatemeh Pouryahya and David Sankoff. Peripheral structures in unlabelled trees and the accumulation of subgenomes in the evolution of polyploids. *Journal of Theoretical Biology*, 532(??):Article 110924, January 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932100343X`.

Piephoff:2024:BTM

[PTK+24] Faye Piephoff, Brian K. Taylor, Catherine E. Kehl, Bruno Mota, and Cynthia M. Harley. Biomechanics of transduction by mechanosensory cilia for prey detection in aquatic organisms. *Journal of Theoretical Biology*, 583(??):??, April 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000638`.

Preziosi:2021:CTG

[PTZ21] Luigi Preziosi, Giuseppe Toscani, and Mattia Zanella. Control of tumor growth distributions through kinetic methods. *Journal of Theoretical Biology*, 514(??):Article 110579, April 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000011`.

Pearson:2023:MIV

[PWC+23] Jason Pearson, Timothy Wessler, Alex Chen, Richard C. Boucher, Ronit Freeman, Samuel K. Lai, Raymond Pickles, and M. Gregory Forest. Modeling identifies variability in SARS-CoV-2 uptake and eclipse phase by infected cells as principal drivers of extreme variability in nasal viral load in the 48 h post infection. *Journal of Theoretical Biology*, 565(??):??, May 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000668`.

Petrovskaya:2020:WSB

[PZ20] Natalia Petrovskaya and Wenxin Zhang. When seeing is not believing: Comparative study of various spatial distributions of invasive species. *Journal of Theoretical*

Biology, 488(??):Article 110141, March 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319305107`.

Poormohammadi:2020:NMC

[PZG20] Hadi Poormohammadi, Mohsen Sardari Zarchi, and Hossein Ghaneai. NCHB: a method for constructing rooted phylogenetic networks from rooted triplets based on height function and binarization. *Journal of Theoretical Biology*, 489(??):Article 110144, March 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319305144`.

Paryad-Zanjani:2023:OHR

[PZJPZ23] Sasan Paryad-Zanjani, Aditya Jagarapu, Michael J. Piovoso, and Ryan Zurakowski. Ongoing HIV replication in lymph node sanctuary sites in treated individuals contributes to the total latent HIV at a very slow rate. *Journal of Theoretical Biology*, 575(??):??, November 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002485`.

Pan:2022:RCD

[PZXC22] Yufeng Pan, Hudong Zhang, Yan Xie, and Yuan Chai. Role of coupling distances in a coupled thalamocortical network in the treatment of epilepsy. *Journal of Theoretical Biology*, 550(??):Article 111206, October 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002041`.

Qu:2023:BMG

[QHS23] Hongchun Qu, Aviad Heifetz, and Merav Seifan. Batesian mimicry or general food deception? An evolutionary game between plants for pollinator services. *Journal of Theoretical Biology*, 575(??):??, November 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002060`.

Quevreux:2021:PAF

[QPL21] Pierre Quévreux, Rémi Pigeault, and Michel Loreau. Predator avoidance and foraging for food shape synchrony and response to perturbations in trophic metacommunities. *Journal of Theoretical Biology*, 528(??):Article 110836, November 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002551`.

Quillien:2020:ECU

[Qui20] Tadeg Quillien. Evolution of conditional and unconditional commitment. *Journal of Theoretical Biology*, 492(??):Article 110204, May 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932030059X`.

Qi:2023:MOM

[QYY+23] Hong Qi, Yu-Song Yin, Zhi-Yong Yin, Xiang Li, and Jian-Wei Shuai. Mitochondrial outer membrane permeabilization and inner membrane permeabilization in regulating apoptosis and inflammation. *Journal of Theoretical Biology*, 571(??):??, August 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001558`.

Ravoni:2021:LTB

[Rav21] Alessandro Ravoni. Long-term behaviours of Autocatalytic Sets. *Journal of Theoretical Biology*, 529(??):Article 110860, November 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002794`.

Rahimabadi:2022:CAS

[RB22] Arsalan Rahimabadi and Habib Benali. Comment on the article "Spatially-extended nucleation–aggregation–fragmentation models for the dynamics of prion-like neurodegenerative protein-spreading in the brain and its connectome **486** (2020) 110102". *Journal of Theoretical Biology*, 534 (??):Article 110965, February 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S0022519321003854. See [FSKG20].

Roy:2020:ERT

[RBD+20] Suvam Roy, Niraja V. Bapat, Julien Derr, Sudha Rajamani, and Supratim Sengupta. Emergence of ribozyme and tRNA-like structures from mineral-rich muddy pools on prebiotic earth. *Journal of Theoretical Biology*, 506(??):Article 110446, December 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320303015.

Rostami:2023:ILM

[RBG+23] Minghao W. Rostami, Brittany E. Bannish, Kelsey Gasior, Rebecca L. Pinals, Calina Copos, and Adriana T. Dawes. Inferring local molecular dynamics from the global actin network structure: a case study of 2D synthetic branching actin networks. *Journal of Theoretical Biology*, 575(??):??, November 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519323002102.

Rudrauf:2020:MIE

[RBW20] David Rudrauf, Daniel Bennequin, and Kenneth Williford. The Moon illusion explained by the projective consciousness model. *Journal of Theoretical Biology*, 507 (??):Article 110455, December 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320303106.

Renardy:2020:PSW

[REK20] Marissa Renardy, Marisa Eisenberg, and Denise Kirschner. Predicting the second wave of COVID-19 in Washtenaw County, MI. *Journal of Theoretical Biology*, 507 (??):Article 110461, December 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320303167.

Risau-Gusman:2021:CDP

[RG21] Sebastián Risau-Gusman. Color discrimination properties arising from optimal decoding in the early stages of visual sys-

tems. *Journal of Theoretical Biology*, 526(??):Article 110773, October 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001958`.

Ruiz-Herrera:2023:RST

[RH23] Alfonso Ruiz-Herrera. The role of the spatial topology in trophic metacommunities: Species with reduced mobility and total population size. *Journal of Theoretical Biology*, 566(??): ??, June 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000759`.

Rubin:2023:ADN

[RID23] Ilan N. Rubin, Yaroslav Ispolatov, and Michael Doebeli. Adaptive diversification and niche packing on rugged fitness landscapes. *Journal of Theoretical Biology*, 562(??):??, April 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000176`.

Ranjan:2022:HRS

[RK22a] Ravi Ranjan and Christopher A. Klausmeier. How the resource supply distribution structures competitive communities. *Journal of Theoretical Biology*, 538(??):Article 111054, April 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000522`.

Richards:2022:SPP

[RK22b] A. Richards and L. Kubatko. Site pattern probabilities under the multispecies coalescent and a relaxed molecular clock: Theory and applications. *Journal of Theoretical Biology*, 542(??):Article 111078, June 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000765`.

Raguin:2020:SMC

[RKP20] Adélaïde Raguin, Norbert Kern, and Andrea Parmeggiani. Stochastic modelling of collective motor protein transport through a crossing of microtubules. *Journal of Theoretical*

Biology, 505(??):Article 110370, November 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302253`.

Ren:2021:RFA

[RLW+21] Hua-Rong Ren, Ming-Tao Li, You-Ming Wang, Zhen Jin, and Juan Zhang. The risk factor assessment of the spread of foot-and-mouth disease in mainland China. *Journal of Theoretical Biology*, 512(??):Article 110558, March 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320304136`.

Rose:2021:HSD

[RMG+21] Christopher Rose, Andrew J. Medford, C. Franklin Goldsmith, Tejs Vegge, Joshua S. Weitz, and Andrew A. Peterson. Heterogeneity in susceptibility dictates the order of epidemic models. *Journal of Theoretical Biology*, 528(??):Article 110839, November 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002587`.

Ravaee:2024:IPD

[RMSS24] Hamid Ravaee, Mohammad Hossein Manshaei, Mehran Safayani, and Javad Salimi Sartakhti. Intelligent phenotype-detection and gene expression profile generation with generative adversarial networks. *Journal of Theoretical Biology*, 577(??):??, January 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002333`.

Reckell:2021:MSP

[RNP+21] Trevor Reckell, Kyle Nguyen, Tin Phan, Sharon Crook, Eric J. Kostelich, and Yang Kuang. Modeling the synergistic properties of drugs in hormonal treatment for prostate cancer. *Journal of Theoretical Biology*, 514(??):Article 110570, April 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320304252`.

Roberts:2022:MMR

[Rob22] Paul A. Roberts. Mathematical models of retinitis pigmentosa: the trophic factor hypothesis. *Journal of Theoretical Biology*, 534(??):Article 110938, February 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932100357X`.

Rosenberg:2021:DML

[Ros21] Eric Rosenberg. On deriving Murray's law from constrained minimization of flow resistance. *Journal of Theoretical Biology*, 512(??):Article 110563, March 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320304185`.

Rosenberg:2022:TFL

[Ros22] Eric Rosenberg. Three or four levels of hierarchy minimize hydraulic power in leaves with pinnate dendritic venation. *Journal of Theoretical Biology*, 539(??):Article 111061, April 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000595`.

Royce:2021:ANM

[Roy21] Katherine Royce. Application of a novel mathematical model to identify intermediate hosts of SARS-CoV-2. *Journal of Theoretical Biology*, 526(??):Article 110761, October 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001831`.

Renton:2021:CSE

[RP21a] Jessie Renton and Karen M. Page. Cooperative success in epithelial public goods games. *Journal of Theoretical Biology*, 528(??):Article 110838, November 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002575`.

Rosandic:2021:NIS

[RP21b] Marija Rosandić and Vladimir Paar. The novel Ideal Symmetry Genetic Code table — common purine–pyrimidine

symmetry net for all RNA and DNA species. *Journal of Theoretical Biology*, 524(??):??, September 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001703`.

Randall:2021:GSA

[RRAO21] E. Benjamin Randall, Nicholas Z. Randolph, Alen Alexanderian, and Mette S. Olufsen. Global sensitivity analysis informed model reduction and selection applied to a Valsalva maneuver model. *Journal of Theoretical Biology*, 526(??):Article 110759, October 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001818`.

Ruiz-Ramirez:2020:MPL

[RRZDF20] Javier Ruiz-Ramírez, Arturas Ziemys, Prashant Dogra, and Mauro Ferrari. A modeling platform for the lymphatic system. *Journal of Theoretical Biology*, 493(??):Article 110193, May 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300485`.

Radunskaya:2024:KRI

[RS24] Ami Radunskaya and Joshua Sack. Kill rates by immune cells: Ratio-dependent, or mass action? *Journal of Theoretical Biology*, 582(??):??, April 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000298`.

Rudrauf:2022:MSP

[RSPB+22] D. Rudrauf, G. Sergeant-Perthuis, O. Belli, Y. Tisserand, and G. Di Marzo Serugendo. Modeling the subjective perspective of consciousness and its role in the control of behaviours. *Journal of Theoretical Biology*, 534(??):Article 110957, February 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003763`.

Rahnsch:2024:NBU

[RT24a] Beatrix Rahnsch and Leila Taghizadeh. Network-based uncertainty quantification for mathematical models in epidemiology. *Journal of Theoretical Biology*, 577(??):??, January 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002680`.

Richards:2024:DIS

[RT24b] Kelvin J. Richards and Axel Timmermann. Dispersal and interbreeding as survival strategies for species exposed to environment change. *Journal of Theoretical Biology*, 585(??): ??, May 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932400078X`.

Reda:2020:AIG

[RW20] Clémence Réda and Bartek Wilczyński. Automated inference of gene regulatory networks using explicit regulatory modules. *Journal of Theoretical Biology*, 486(??):Article 110091, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304606`.

Rybnikov:2021:FDP

[RWHK21] Sviatoslav Rybnikov, Daniel B. Weissman, Sariel Hübner, and Abraham B. Korol. Fitness dependence preserves selection for recombination across diverse mixed mating strategies. *Journal of Theoretical Biology*, 528(??):Article 110849, November 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932100268X`.

Rubio:2022:MME

[RY22] Felipe Alves Rubio and Hyun Mo Yang. A mathematical model to evaluate the role of memory B and T cells in heterologous secondary dengue infection. *Journal of Theoretical Biology*, 534(??):Article 110961, February 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003817`.

Ramirez-Zuniga:2022:DDM

[RZRS+22] Ivan Ramirez-Zuniga, Jonathan. E. Rubin, David Swigon, Heinz Redl, and Gilles Clermont. A data-driven model of the role of energy in sepsis. *Journal of Theoretical Biology*, 533(??):Article 110948, January 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003672`.

Sachs:2022:PGC

[Sac22] Gottfried Sachs. Powered-gliding/climbing flight. *Journal of Theoretical Biology*, 547(??):Article 111146, August 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001448`.

Sole:2021:ECD

[SAG21] Ricard Solé and Guim Aguadé-Gorgorió. The ecology of cancer differentiation therapy. *Journal of Theoretical Biology*, 511(??):Article 110552, February 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320304070`.

Sakai:2020:MHI

[Sak20] Satoki Sakai. Maintenance of high inbreeding depression in selfing populations: Two-stage effect of early- and late-acting mutations. *Journal of Theoretical Biology*, 502(??):Article 110307, October 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301624`.

Salamatin:2021:LMA

[SAK21] Artur A. Salamatin, Peter H. Adler, and Konstantin G. Kornev. Lepidopteran mouthpart architecture suggests a new mechanism of fluid uptake by insects with long proboscises. *Journal of Theoretical Biology*, 510(??):Article 110525, February 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303805`.

Sakai:2022:EMM

[Sak22a] Satoki Sakai. Evolution of mixed mating: Effects of among-parent variation in early-acting inbreeding depression coupled with overproduction of ovules. *Journal of Theoretical Biology*, 550(??):Article 111241, October 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002363`.

Sakai:2022:WDM

[Sak22b] Satoki Sakai. Why are deleterious mutations maintained in selfing populations? An analysis of the effects of early- and late-acting mutations by a two-locus two-allele model. *Journal of Theoretical Biology*, 533(??):Article 110956, January 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003751`.

Salvador:2024:PTB

[Sal24] Armindo Salvador. Pillars of theoretical biology: "Biochemical systems analysis, I, II and III". *Journal of Theoretical Biology*, 576(??):??, January 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002527`.

Santoni:2021:ICC

[San21] Daniele Santoni. The impact of codon choice on translation process in *Saccharomyces cerevisiae*: folding class, protein function and secondary structure. *Journal of Theoretical Biology*, 526(??):Article 110806, October 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002253`.

Simpson:2022:REP

[SBB+22] Matthew J. Simpson, Ruth E. Baker, Pascal R. Buenzli, Ruanui Nicholson, and Oliver J. Maclaren. Reliable and efficient parameter estimation using approximate continuum limit descriptions of stochastic models. *Journal of Theoretical Biology*, 549(??):Article 111201, September 21, 2022.

CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001990`.

Schweinoch:2020:MME

[SBC+20] Darius Schweinoch, Pia Bachmann, Diana Clausznitzer, Marco Binder, and Lars Kaderali. Mechanistic modeling explains the dsRNA length-dependent activation of the RIG-I mediated immune response. *Journal of Theoretical Biology*, 500(??):Article 110336, September 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301910`.

Sun:2021:MMK

[SBJR21] Shan Sun, Mark Broom, Michal Johanis, and Jan Rychtár. A mathematical model of kin selection in floral displays. *Journal of Theoretical Biology*, 509(??):Article 110470, January 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303258`.

Sharp:2020:DCT

[SBM+20] Jesse A. Sharp, Alexander P. Browning, Tarunendu Mapder, Christopher M. Baker, Kevin Burrage, and Matthew J. Simpson. Designing combination therapies using multiple optimal controls. *Journal of Theoretical Biology*, 497(??):Article 110277, July 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301326`.

Soltanzadeh:2023:LBS

[SBSB23] Milad Soltanzadeh, Solenna Blanchard, Jean-Paul Soucy, and Habib Benali. Lactate's behavioral switch in the brain: an *in-silico* model. *Journal of Theoretical Biology*, 575(??):??, November 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932300245X`.

Simpson:2022:PIM

[SBW+22a] Matthew J. Simpson, Alexander P. Browning, David J. Warne, Oliver J. Maclaren, and Ruth E. Baker. Param-

eter identifiability and model selection for sigmoid population growth models. *Journal of Theoretical Biology*, 535(??):Article 110998, February 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321004185`.

Sund:2022:UMH

[SBW+22b] Derrick T. Sund, Andrew F. Brouwer, Heather M. Walline, Thomas E. Carey, Rafael Meza, Trachette Jackson, and Marisa C. Eisenberg. Understanding the mechanisms of HPV-related carcinogenesis: Implications for cell cycle dynamics. *Journal of Theoretical Biology*, 551–552(??):Article 111235, ???? 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002326`.

Serodio:2021:POT

[SC21] João Serôdio and Douglas A. Campbell. Photoinhibition in optically thick samples: Effects of light attenuation on chlorophyll fluorescence-based parameters. *Journal of Theoretical Biology*, 513(??):Article 110580, March 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000023`.

Sherlock:2023:OVT

[SC23a] Brock D. Sherlock and Adelle C. F. Coster. Oncolytic virus treatment of human breast cancer cells: Modelling therapy efficacy. *Journal of Theoretical Biology*, 560(??):??, March 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932200385X`.

Sibly:2023:AFS

[SC23b] Richard M. Sibly and Robert N. Curnow. Allele frequencies and selection coefficients in locally adapted populations. *Journal of Theoretical Biology*, 565(??):??, May 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000590`.

Skedros:2023:ESR

[SCD+23] John G. Skedros, John T. Cronin, Michael R. Dayton, Roy D. Bloebaum, and Kent N. Bachus. Exploration of the synergistic role of cortical thickness asymmetry ("Trabecular Eccentricity" concept) in reducing fracture risk in the human femoral neck and a control bone (Artiodactyl Calcaneus). *Journal of Theoretical Biology*, 567(??):??, June 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000917`.

Schulman:2017:BRA

[Sch17] Lawrence S. Schulman. Bacterial resistance to antibodies: a model evolutionary study. *Journal of Theoretical Biology*, 417(??):61–67, March 21, 2017. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251931730022X`. See corrigendum [Sch23].

Schlomann:2018:SMD

[Sch18] Brandon H. Schlomann. Stationary moments, diffusion limits, and extinction times for logistic growth with random catastrophes. *Journal of Theoretical Biology*, 454(??):154–163, October 7, 2018. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519318302996`. See corrigendum [Sch21a].

Schlomann:2021:CSM

[Sch21a] Brandon H. Schlomann. Corrigendum to "Stationary moments, diffusion limits, and extinction times for logistic growth with random catastrophes" [J. Theor. Biol. **454** (2018) 154–163]. *Journal of Theoretical Biology*, 514(??):Article 110595, April 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000175`. See [Sch18].

Schutz:2021:MMT

[Sch21b] G. M. Schütz. Molecular motor traffic with a slow binding site. *Journal of Theoretical Biology*, 518(??):Article 110644, June 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print),

1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000667`.

Schulman:2023:CBR

[Sch23] Lawrence S. Schulman. Corrigendum to "Bacterial resistance to antibodies: a model evolutionary study" [J. Theor. Biol. **417** (2017) 61–67]. *Journal of Theoretical Biology*, 565(??):??, May 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000607`. See [Sch17].

Song:2020:EDE

[SCHH20] Zilong Song, Xiulei Cao, Tzyy-Leng Horng, and Huaxiong Huang. Electric discharge of electrocytes: Modelling, analysis and simulation. *Journal of Theoretical Biology*, 498(??):Article 110294, August 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301491`.

Scott:2024:CPK

[Sco24] Thomas W. Scott. Crozier's paradox and kin recognition: Insights from simplified models. *Journal of Theoretical Biology*, 581(??):??, March 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932400016X`.

Schmid:2020:ASI

[SD20] Harald Schmid and Hana M. Dobrovolny. An approximate solution of the interferon-dependent viral kinetics model of influenza. *Journal of Theoretical Biology*, 498(??):Article 110266, August 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301211`.

Storch:2022:TEW

[SD22] Laura S. Storch and Sarah L. Day. Topological early warning signals: Quantifying varying routes to extinction in a spatially distributed population model. *Journal of Theoretical Biology*, 554(??):Article 111274, December 7, 2022.

CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932200265X`.

Salles:2024:ECT

[SdAM24] Luis Francisco Prado Salles, Marcus Aloizio Martinez de Aguiar, and Flavia Maria Darcie Marquitti. Evolution of cooperation in a two-species system with a common resource pool. *Journal of Theoretical Biology*, 577(??):??, January 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002679`.

Schroter:2023:WEP

[SdB23] Juliane Schröter and Rob J. de Boer. What explains the poor contraction of the viral load during paediatric HIV infection? *Journal of Theoretical Biology*, 570(??):??, August 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001170`.

Siewe:2023:CTI

[SF23] Nourridine Siewe and Avner Friedman. Cancer therapy with immune checkpoint inhibitor and CSF-1 blockade: a mathematical model. *Journal of Theoretical Biology*, 556(??):??, January 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002880`.

Siewe:2024:MMO

[SF24] Nourridine Siewe and Avner Friedman. A mathematical model of obesity-induced type 2 diabetes and efficacy of anti-diabetic weight reducing drug. *Journal of Theoretical Biology*, 581(??):??, March 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000377`.

Sasanami:2023:PCI

[SFK+23] Misaki Sasanami, Marie Fujimoto, Taishi Kayano, Katsuma Hayashi, and Hiroshi Nishiura. Projecting the COVID-19 immune landscape in Japan in the presence of waning immunity and booster vaccination. *Journal of The-*

oretical Biology, 559(??):??, February 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003757`.

Song:2020:DNP

[SFYL20] Da Song, Meng Fan, Shihan Yan, and Meng Liu. Dynamics of a nutrient-phytoplankton model with random phytoplankton mortality. *Journal of Theoretical Biology*, 488(??):Article 110119, March 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304886`.

Shen:2024:OAC

[SGJ+24] Anglu Shen, Shufei Gao, Jie Jiang, Qingjing Hu, Hao Wang, and Sanling Yuan. Oscillations of algal cell quota: Considering two-stage phosphate uptake kinetics. *Journal of Theoretical Biology*, 581(??):??, March 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000201`.

Sun:2021:CBB

[SH21] T. Anthony Sun and Frank M. Hilker. Comparison between best-response dynamics and replicator dynamics in a social-ecological model of lake eutrophication. *Journal of Theoretical Biology*, 509(??):Article 110491, January 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303465`.

Sorensen:2020:DMS

[SHH20] Anna Irene Vedel Sørensen, Julie Elvekjær Hansen, and Tariq Halasa. A dynamic model for spread of livestock-associated methicillin-resistant *Staphylococcus aureus* on a pig farm, incorporating bacterial load and human exposure through air. *Journal of Theoretical Biology*, 505 (??):Article 110402, November 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302575`.

Steel:2020:DBD

[SHK20] Mike Steel, Wim Hordijk, and Stuart A. Kauffman. Dynamics of a birth-death process based on combinatorial innovation. *Journal of Theoretical Biology*, 491(??):Article 110187, April 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300436`.

Sinha:2021:SAO

[SHY21] Nirvik Sinha, C. J. Heckman, and Yuan Yang. Slowly activating outward membrane currents generate input-output sub-harmonic cross frequency coupling in neurons. *Journal of Theoretical Biology*, 509(??):Article 110509, January 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303647`.

Singh:2021:ACP

[Sin21] Abhyudai Singh. Attack by a common parasitoid stabilizes population dynamics of multi-host communities. *Journal of Theoretical Biology*, 531(??):Article 110897, December 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003167`.

Silva:2020:MES

[SJNRS20] Telma Silva, Willi Jäger, Maria Neuss-Radu, and Adélia Sequeira. Modeling of the early stage of atherosclerosis with emphasis on the regulation of the endothelial permeability. *Journal of Theoretical Biology*, 496(??):Article 110229, July 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300849`.

Samanta:2021:UOG

[SK21] Tagari Samanta and Sandip Kar. Unraveling the origin of glucose mediated disparate proliferation dynamics of cancer stem cells. *Journal of Theoretical Biology*, 526(??):Article 110774, October 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932100196X`.

Sudersan:2023:MDF

[SK23] Pranav Sudersan and Michael Kappl. Mechanisms of detachment in fibrillar adhesive systems. *Journal of Theoretical Biology*, 557(??):??, January 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932200306X`.

Schirmer:2022:EMR

[SKNvRL22] Saskia Schirmer, Fränzi Korner-Nievergelt, Jan A. C. von Rönn, and Volkmar Liebscher. Estimation in the multinomial reencounter model — where do migrating animals go and how do they survive in their destination area? *Journal of Theoretical Biology*, 543(??):Article 111108, June 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001060`.

Schirmer:2023:ESC

[SKNvRL23] Saskia Schirmer, Fränzi Korner-Nievergelt, Jan A. C. von Rönn, and Volkmar Liebscher. Estimating survival in continuous space from mark-dead-recovery data — Towards a continuous version of the multinomial dead recovery model. *Journal of Theoretical Biology*, 574(??):??, October 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002229`.

Safdari:2021:PLH

[SKS21] Hadiseh Safdari, Ata Kalirad, and Mehdi Sadeghi. Population-level heterogeneity as a reflection of mixed strategy: a computational perspective on the Crabtree effect. *Journal of Theoretical Biology*, 531(??):Article 110912, December 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003313`.

Senneff:2021:EEP

[SL21] Sageanne Senneff and Madeleine M. Lowery. Effects of extracellular potassium on calcium handling and force generation in a model of excitation-contraction coupling in skeletal muscle. *Journal of Theoretical Biology*, 519(??):??, June

21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000783`.

Shtossel:2022:SBM

[SL22] Oshrit Shtossel and Yoram Louzoun. Sampling bias minimization in disease frequency estimates. *Journal of Theoretical Biology*, 534(??):Article 110972, February 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003921`.

Stadt:2023:MMC

[SL23] Melissa M. Stadt and Anita T. Layton. Mathematical modeling of calcium homeostasis in female rats: an analysis of sex differences and maternal adaptations. *Journal of Theoretical Biology*, 572(??):??, September 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001807`.

Siddharth:2024:PPO

[SL24] Thiru Siddharth and Nathan E. Lewis. Predicting pathways for old and new metabolites through clustering. *Journal of Theoretical Biology*, 578(??):??, February 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002813`.

Sim:2022:DRL

[SLCC22] Hong Jhun Sim, Weng Ngai Lam, Ryan A. Chisholm, and Kwek Yan Chong. Downstream resource leakage a necessary condition for the stress-gradient hypothesis in processing chain commensalisms. *Journal of Theoretical Biology*, 538(??):Article 111043, April 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000418`.

Sequeira:2020:TEB

[SLML20] João Sequeira, Jorge Louçã, António M. Mendes, and Pedro G. Lind. Transition from endemic behavior to eradication of malaria due to combined drug therapies:

an agent-model approach. *Journal of Theoretical Biology*, 484(??):Article 110030, January 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251931930400X`.

Schiavo:2022:TVT

[SLTD22] Filippo Schiavo, Emely Kjellsson Lindblom, and Iuliana Toma-Dasu. Towards the virtual tumor for optimizing radiotherapy treatments of hypoxic tumors: a novel model of heterogeneous tissue vasculature and oxygenation. *Journal of Theoretical Biology*, 547(??):Article 111175, August 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001734`.

Smerlak:2021:QSE

[Sme21] Matteo Smerlak. Quasi-species evolution maximizes genotypic reproductive value (not fitness or flatness). *Journal of Theoretical Biology*, 522(??):??, August 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001211`.

Sego:2022:MMS

[SMEG22] T. J. Sego, Ericka D. Mochan, G. Bard Ermentrout, and James A. Glazier. A multiscale multicellular spatiotemporal model of local influenza infection and immune response. *Journal of Theoretical Biology*, 532(??):Article 110918, January 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003374`.

Sandhu:2020:ERS

[SMJ20] Simran Kaur Sandhu, Andrew Morozov, and Lourdes Juan. Exploring the role of spatial and stoichiometric heterogeneity in the top-down control in eutrophic planktonic ecosystems. *Journal of Theoretical Biology*, 499(??):Article 110311, August 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301661`.

Sriram:2023:ISP

[SMM+23] Sridevi Sriram, Simin Mirzaei, Mahtab Mehrabbeik, Karthikeyan Rajagopal, Mehdi Rostami, and Sajad Jafari. The influence of synaptic pathways on the synchronization patterns of regularly structured mChialvo map network. *Journal of Theoretical Biology*, 572(??):??, September 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001881`.

Simpson:2024:MCD

[SMM24] Matthew J. Simpson, Ryan J. Murphy, and Oliver J. Maclaren. Modelling count data with partial differential equation models in biology. *Journal of Theoretical Biology*, 580(??):??, March 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000134`.

Singh:2020:MCN

[SMS20] Shakti Nath Singh, Md. Zubbair Malik, and R. K. Brojen Singh. Molecular crosstalk: Notch can manipulate Hes1 and miR-9 behavior. *Journal of Theoretical Biology*, 504(??):Article 110404, November 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302599`.

Sinha:2020:MMA

[SNK20] Arvind Kumar Sinha, Nishant Namdev, and Awanish Kumar. A mathematical model of adiponectin resistance. *Journal of Theoretical Biology*, 494(??):Article 110246, June 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301016`.

Southall:2023:PGM

[SOGK+23] E. Southall, Z. Ogi-Gittins, A. R. Kaye, W. S. Hart, F. A. Lovell-Read, and R. N. Thompson. A practical guide to mathematical methods for estimating infectious disease outbreak risks. *Journal of Theoretical Biology*, 562(??):??, April 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000139`.

Sharma:2022:BNI

[SOKZ22] Akshay Sharma, Louise Olsen-Kettle, and Tonghua Zhang. Bistability and noise-induced transient behaviour of steady states in a cancer network with the regulation of microRNA. *Journal of Theoretical Biology*, 554(??):Article 111262, December 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002533`.

Steel:2020:ESA

[SP20] Harrison Steel and Antonis Papachristodoulou. The effect of spatiotemporal antibiotic inhomogeneities on the evolution of resistance. *Journal of Theoretical Biology*, 486(??):Article 110077, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304461`.

Sachak-Patwa:2023:TCL

[SPLS+23] Rahil Sachak-Patwa, Erin I. Lafferty, Claude J. Schmit, Robin N. Thompson, and Helen M. Byrne. A target-cell limited model can reproduce influenza infection dynamics in hosts with differing immune responses. *Journal of Theoretical Biology*, 567(??):??, June 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000875`.

Sakref:2024:EEA

[SR24] Yann Sakref and Olivier Rivoire. On the exclusion of exponential autocatalysts by sub-exponential autocatalysts. *Journal of Theoretical Biology*, 579(??):??, February 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323003119`.

Sanchez:2024:TGR

[SRB+24] Juan Felipe Sánchez, Salah Ramtani, Abdelkader Boucetta, Marco Antonio Velasco, Juan Jairo Vaca-González, Carlos A. Duque-Daza, and Diego A. Garzón-Alvarado. Tumor growth for remodeling process: a 2D approach. *Journal of Theoretical Biology*, 585(??):??, May 21, 2024. CO-

DEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519324000626.

Senapati:2021:IIS

[SRDC21] Abhishek Senapati, Sourav Rana, Tamalendu Das, and Joydev Chattopadhyay. Impact of intervention on the spread of COVID-19 in India: a model based study. *Journal of Theoretical Biology*, 523(??):??, August 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519321001338.

Steinmetz:2021:CAD

[SS21] Bnaya Steinmetz and Nadav M. Shnerb. Competition with abundance-dependent fitness and the dynamics of heterogeneous populations in fluctuating environment. *Journal of Theoretical Biology*, 531(??):Article 110880, December 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002251932100299X.

Stepien:2022:SMD

[SS22] Tracy L. Stepien and Timothy W. Secomb. Spreading mechanics and differentiation of astrocytes during retinal development. *Journal of Theoretical Biology*, 549 (??):Article 111208, September 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322002065.

Sagitov:2023:CUM

[SS23] Serik Sagitov and Anders Ståhlberg. Counting unique molecular identifiers in sequencing using a multi-type branching process with immigration. *Journal of Theoretical Biology*, 558(??):??, February 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322003563.

Sau:2020:ESA

[SSB20] Anurag Sau, Bapi Saha, and Sabyasachi Bhattacharya. An extended stochastic Allee model with harvesting and the risk

of extinction of the herring population. *Journal of Theoretical Biology*, 503(??):Article 110375, October 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302307`.

Souza:2020:CGA

[SSBG20] Paulo Victor Santos Souza, Rafael Silva, Chris Bauch, and Daniel Girardi. Cooperation in a generalized age-structured spatial game. *Journal of Theoretical Biology*, 484(??):Article 109995, January 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319303455`.

Sveshnikova:2024:KRC

[SSKP24] Anastasia N. Sveshnikova, Alexey M. Shibeko, Tatiana A. Kovalenko, and Mikhail A. Panteleev. Kinetics and regulation of coagulation factor X activation by intrinsic tenase on phospholipid membranes. *Journal of Theoretical Biology*, 582(??): ??, April 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000389`.

Stadler:2018:SAS

[SSKS18] Tanja Stadler, Stavroula Skylaki, Konstantinos D. Kokkaliaris, and Timm Schroeder. On the statistical analysis of single cell lineage trees. *Journal of Theoretical Biology*, 439(??):160–165, February 14, 2018. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519317305301`. See erratum [SSKS20].

Stadler:2020:ESA

[SSKS20] Tanja Stadler, Stavroula Skylaki, Konstantinos D. Kokkaliaris, and Timm Schroeder. Erratum to "On the statistical analysis of single cell lineage trees" [J. Theor. Biol. **439** (2018) 160–165]. *Journal of Theoretical Biology*, 506 (??):Article 110424, December 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302794`. See [SSKS18].

Spencer:2022:DVR

[SSM+22] Julie A. Spencer, Deborah P. Shutt, S. Kane Moser, Hannah Clegg, Helen J. Wearing, Harshini Mukundan, and Carrie A. Manore. Distinguishing viruses responsible for influenza-like illness. *Journal of Theoretical Biology*, 545(??):Article 111145, July 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001436`.

Susko:2021:CUW

[SSR21] Edward Susko, Mike Steel, and Andrew J. Roger. Conditions under which distributions of edge length ratios on phylogenetic trees can be used to order evolutionary events. *Journal of Theoretical Biology*, 526(??):Article 110788, October 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002071`.

Schonfeld:2021:APU

[SSS21] Ethan Schonfeld, Elan Schonfeld, and Dan Schonfeld. Autocatalytic-protection for an unknown locus CRISPR-Cas countermeasure for undesired mutagenic chain reactions. *Journal of Theoretical Biology*, 528(??):Article 110831, November 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002502`.

Shen:2022:ISI

[SSX+22] Mingwang Shen, Xiang Sun, Yanni Xiao, Yuanbao Liu, Congyue Wang, Zhiguo Wang, Libin Rong, and Zhihang Peng. The impact of supplementary immunization activities on measles transmission dynamics and implications for measles elimination goals: a mathematical modelling study. *Journal of Theoretical Biology*, 551–552(??):Article 111242, ???? 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002375`.

Shuttleworth:2020:MDH

[ST20] Robyn Shuttleworth and Dumitru Trucu. Multiscale dynamics of a heterotypic cancer cell population within a

fibrous extracellular matrix. *Journal of Theoretical Biology*, 486(??):Article 110040, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304096`.

Sauve:2020:ESS

[STB20] Alix M. C. Sauve, Rachel A. Taylor, and Frédéric Barraquand. The effect of seasonal strength and abruptness on predator–prey dynamics. *Journal of Theoretical Biology*, 491(??):Article 110175, April 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932030031X`.

Sanchez-Taltavull:2021:MSO

[STCSC+21] Daniel Sánchez-Taltavull, Violeta Castelo-Szekely, Daniel Candinas, Edgar Roldán, and Guido Beldi. Modelling strategies to organize healthcare workforce during pandemics: Application to COVID-19. *Journal of Theoretical Biology*, 523(??):??, August 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001405`.

Steel:2021:MAC

[Ste21a] Mike Steel. Modelling aspects of consciousness: a topological perspective. *Journal of Theoretical Biology*, 523(??):??, August 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001351`.

Stenseke:2021:PHS

[Ste21b] Jakob Stenseke. Persistent homology and the shape of evolutionary games. *Journal of Theoretical Biology*, 531 (??):Article 110903, December 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003222`.

Suarez:2020:GAM

[SUA+20] Gonzalo P. Suarez, Oyita Udiani, Brian F. Allan, Candice Price, Sadie J. Ryan, Eric Lofgren, Alin Coman, Chris M.

Stone, Lazaros K. Gallos, and Nina H. Fefferman. A generic arboviral model framework for exploring trade-offs between vector control and environmental concerns. *Journal of Theoretical Biology*, 490(??):Article 110161, April 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300175`.

Suarez:2021:ABS

[SVHM+21] Alejandro Suarez, Pedro A. Valdes-Hernandez, Arash Moshkforoush, Nikolaos Tsoukias, and Jorge Riera. Arterial blood stealing as a mechanism of negative BOLD response: From the steady-flow with nonlinear phase separation to a windkessel-based model. *Journal of Theoretical Biology*, 529(??):Article 110856, November 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002757`.

Shan:2022:SRA

[SW22] Xu Shan and Bin Wu. Social relationship adjustments within the same sex promote marital bliss. *Journal of Theoretical Biology*, 550(??):Article 111225, October 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002223`.

Sweatman:2020:MMD

[Swe20] Catherine Z. W. Hassell Sweatman. Mathematical model of diabetes and lipid metabolism linked to diet, leptin sensitivity, insulin sensitivity and VLDLTG clearance predicts paths to health and type II diabetes. *Journal of Theoretical Biology*, 486(??):Article 110037, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304060`.

Shi:2020:TMF

[SWK+20] Lianhui Shi, Jianing Wu, Harald W. Krenn, Yunqiang Yang, and Shaoze Yan. Temporal model of fluid-feeding mechanisms in a long proboscid orchid bee compared to the short proboscid honey bee. *Journal of Theoretical*

Biology, 484(??):Article 110017, January 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251931930387X`.

Sun:2020:WLL

[SXJ20] Xiaodan Sun, Yanni Xiao, and Xiangting Ji. When to lift the lockdown in Hubei province during COVID-19 epidemic? An insight from a patch model and multiple source data. *Journal of Theoretical Biology*, 507(??):Article 110469, December 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303246`.

Shen:2020:LTP

[SXL+20] Mingwang Shen, Ruyi Xia, Zheng Luo, Hongmei Zeng, Wenqiang Wei, Guihua Zhuang, Lei Zhang, and Wanqing Chen. The long-term population impact of endoscopic screening programmes on disease burdens of gastric cancer in China: a mathematical modelling study. *Journal of Theoretical Biology*, 484(??):Article 109996, January 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319303467`.

Song:2024:RMD

[SY24] Yan Song and Qian Yang. Revisiting the modularity-disease transmission link: uncovering the importance of intramodular structure. *Journal of Theoretical Biology*, 583(??):??, April 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000535`.

Su:2020:HIP

[SYH20] Min Su, Yuanqi Yang, and Cang Hui. How intraguild predation affects the host diversity–disease relationship in a multihost community. *Journal of Theoretical Biology*, 490(??):Article 110174, April 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300308`.

Sekiya:2020:BMO

[SYI20] Tokuharu Sekiya, Sachi Yamaguchi, and Yoh Iwasa. Bovine mastitis and optimal disease management: Dynamic programming analysis. *Journal of Theoretical Biology*, 498 (??):Article 110292, August 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301478`.

Tatematsu:2023:RBI

[TAP+23] Daiki Tatematsu, Marwa Akao, Hyeongki Park, Shingo Iwami, Keisuke Ejima, and Shoya Iwanami. Relationship between the inclusion/exclusion criteria and sample size in randomized controlled trials for SARS-CoV-2 entry inhibitors. *Journal of Theoretical Biology*, 561(??):??, March 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003940`.

Tatsukawa:2021:FTD

[TATT21] Yuichi Tatsukawa, Md. Rajib Arefin, Masaki Tanaka, and Jun Tanimoto. Free ticket, discount ticket or intermediate of the best of two worlds — which subsidy policy is socially optimal to suppress the disease spreading? *Journal of Theoretical Biology*, 520(??):??, July 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001041`.

Taufer:2020:RLS

[Täu20] Matthias Täufer. Rapid, large-scale, and effective detection of COVID-19 via non-adaptive testing. *Journal of Theoretical Biology*, 506(??):Article 110450, December 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303052`.

Taylor:2023:MFT

[Tay23] David Taylor. Mechanical fatigue in trees mitigated by annual growth: a theoretical model. *Journal of Theoretical Biology*, 569(??):??, July 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S0022519323001194.

Toth:2023:RIS

[TBNS23] Zoltán Tóth, Roland Bartók, Zsófia Nagy, and Viktor R. Szappanos. The relative importance of social information use for population abundance in group-living and non-grouping prey. *Journal of Theoretical Biology*, 575(??):??, November 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519323002230.

Terman:2021:MMC

[TCH21] David Terman, Liam Chen, and Yousef Hannawi. Mathematical modeling of cerebral capillary blood flow heterogeneity and its effect on brain tissue oxygen levels. *Journal of Theoretical Biology*, 527(??):Article 110817, October 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519321002368.

Thenard:2021:CPE

[TCMA21] Thomas Thenard, Anita Catapano, Michel Mesnard, and Rachele Allena. A Cellular Potts energy-based approach to analyse the influence of the surface topography on single cell motility. *Journal of Theoretical Biology*, 509 (??):Article 110487, January 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320303428.

Thakuri:2023:CRA

[TDRC23] Bikash Thakuri, Jayanta Kumar Das, Amit Kumar Roy, and Amit Chakraborty. Circulating renin-angiotensin systems mediated feedback controls over the mean-arterial pressure. *Journal of Theoretical Biology*, 572(??):??, September 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519323001868.

Terman:2023:MRH

[Ter23] David Terman. Modeling the response of homogeneous and heterogeneous cerebral capillary networks to local changes in

vessel diameters. *Journal of Theoretical Biology*, 568(??):??, July 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001054`.

Teboh-Ewungkem:2021:MAI

[TEWN21] Miranda I. Teboh-Ewungkem, Woldegebriel Assefa Woldegerima, and Gideon A. Ngwa. Mathematical assessment of the impact of human-antibodies on sporogony during the within-mosquito dynamics of *Plasmodium falciparum* parasites. *Journal of Theoretical Biology*, 515(??):Article 110562, April 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320304173`.

Tverskoi:2022:EGS

[TG22] Denis Tverskoi and Sergey Gavrilets. The evolution of germ-soma specialization under different genetic and environmental effects. *Journal of Theoretical Biology*, 534 (??):Article 110964, February 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003842`.

Tellioglu:2022:MEW

[TGC22] Nefel Tellioglu, Nicholas Geard, and Rebecca H. Chisholm. Modelling the effect of within-host dynamics on the diversity of a multi-strain pathogen. *Journal of Theoretical Biology*, 548(??):Article 111185, September 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001837`.

Thorvaldsen:2020:USM

[TH20] Steinar Thorvaldsen and Ola Hössjer. Using statistical methods to model the fine-tuning of molecular machines and systems. *Journal of Theoretical Biology*, 501 (??):Article 110352, September 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302071`.

Tupper:2021:RCS

[TH21] Andrew S. Tupper and Paul G. Higgs. Rolling-circle and strand-displacement mechanisms for non-enzymatic RNA replication at the time of the origin of life. *Journal of Theoretical Biology*, 527(??):Article 110822, October 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002411`.

Thakar:2024:PBB

[Tha24] Juilee Thakar. Pillars of biology: Boolean modeling of gene-regulatory networks. *Journal of Theoretical Biology*, 578(??):??, February 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002795`.

Tanwer:2020:IPT

[TKB+20] Pooja Tanwer, Sree Rohit Raj Kolora, Anshu Babbar, Daman Saluja, and Uma Chaudhry. Identification of potential therapeutic targets in *Neisseria gonorrhoeae* by an *in-silico* approach. *Journal of Theoretical Biology*, 490(??):Article 110172, April 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932030028X`.

Tuckman:2021:DSI

[TKR+21] Harrison Tuckman, Jungmin Kim, Aaditya Rangan, Hong Lei, and Mainak Patel. Dynamics of sensory integration of olfactory and mechanical stimuli within the response patterns of moth antennal lobe neurons. *Journal of Theoretical Biology*, 509(??):Article 110510, January 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303659`.

Tsur:2020:RPM

[TKRA20] N. Tsur, Y. Kogan, M. Rehm, and Z. Agur. Response of patients with melanoma to immune checkpoint blockade — insights gleaned from analysis of a new mathematical mechanistic model. *Journal of Theoretical Bi-*

ology, 485(??):Article 110033, January 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304023`.

Tang:2023:LNG

[TMC+23] Shan Tang, Shanjun Mao, Yangyang Chen, Falong Tan, Lihua Duan, Cong Pian, and Xiangxiang Zeng. LRBmat: a novel gut microbial interaction and individual heterogeneity inference method for colorectal cancer. *Journal of Theoretical Biology*, 571(??):??, August 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001340`.

Tan:2020:MBC

[TML20] Pei Yen Tan, Marcos, and Yu Liu. Modelling bacterial chemotaxis for indirectly binding attractants. *Journal of Theoretical Biology*, 487(??):Article 110120, February 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304898`.

Tay:2022:IPR

[TMTK22] Chai Jian Tay, Mohd Hafiz Mohd, Su Yean Teh, and Hock Lye Koh. Internal phosphorus recycling promotes rich and complex dynamics in an algae-phosphorus model: Implications for eutrophication management. *Journal of Theoretical Biology*, 532(??):Article 110913, January 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003325`.

Tetteh:2021:NME

[TNHV21] Josephine N. A. Tetteh, Van Kinh Nguyen, and Esteban A. Hernandez-Vargas. Network models to evaluate vaccine strategies towards herd immunity in COVID-19. *Journal of Theoretical Biology*, 531(??):Article 110894, December 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003131`.

Tosato:2021:HCS

[TNW21] Marco Tosato, Kyeongah Nah, and Jianhong Wu. Are host control strategies effective to eradicate tick-borne diseases (TBD)? *Journal of Theoretical Biology*, 508 (??):Article 110483, January 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303386`.

Tomimoto:2023:MSM

[TS23] Sou Tomimoto and Akiko Satake. Modelling somatic mutation accumulation and expansion in a long-lived tree with hierarchical modular architecture. *Journal of Theoretical Biology*, 565(??):??, May 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000619`.

Tsugawa:2020:SSS

[Tsu20] Satoru Tsugawa. Suppression of soft spots and excited modes in the shape deformation model with spatio-temporal growth noise. *Journal of Theoretical Biology*, 486(??):Article 110092, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304618`.

Tsuruyama:2021:NTB

[Tsu21] Tatsuaki Tsuruyama. Nonlinear thermodynamics of biological signal transduction for predicting conservation of entropy production rate. *Journal of Theoretical Biology*, 523(??):??, August 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001387`.

Tanaka:2020:SVH

[TT20] Masaki Tanaka and Jun Tanimoto. Is subsidizing vaccination with hub agent priority policy really meaningful to suppress disease spreading? *Journal of Theoretical Biology*, 486(??):Article 110059, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251931930428X`.

Tomizuka:2024:EED

[TT24] Haruto Tomizuka and Yuuya Tachiki. The eco-evolutionary dynamics of Batesian mimicry. *Journal of Theoretical Biology*, 577(??):??, January 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002801`.

Teytsa:2021:CMP

[TTBL21] Hyacinthe M. Ndongmo Teytsa, Berge Tsanou, Samuel Bowong, and Jean Lubuma. Coupling the modeling of phage-bacteria interaction and cholera epidemiological model with and without optimal control. *Journal of Theoretical Biology*, 512(??):Article 110537, March 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303921`.

Tu:2023:ECT

[TWT23] Han Tu, Xia Wang, and Sanyi Tang. Exploring COVID-19 transmission patterns and key factors during epidemics caused by three major strains in Asia. *Journal of Theoretical Biology*, 557(??):??, January 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003277`.

Uchiyama:2022:OCC

[UIY22] Yuka Uchiyama, Yoh Iwasa, and Sachi Yamaguchi. Optimal composition of chloride cells for osmoregulation in a randomly fluctuating environment. *Journal of Theoretical Biology*, 537(??):Article 111016, March 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000145`.

Uhl:2023:MED

[UV23] Peter M. Uhl and Naveen K. Vaidya. Modeling the effects of drugs of abuse on within-host dynamics of two HIV species. *Journal of Theoretical Biology*, 562(??):??, April 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000310`.

Ventura:2022:CEM

[VA22] Rafael Ventura and Erol Akcay. A cognitive-evolutionary model for the evolution of teaching. *Journal of Theoretical Biology*, 533(??):Article 110933, January 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003520`.

VanderMude:2020:SED

[Van20] Antony Van der Mude. Structure encoding in DNA. *Journal of Theoretical Biology*, 492(??):Article 110205, May 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300606`.

Venkateswaran:2021:SCE

[VB21] Vignesh Venkateswaran and Renee M. Borges. Staying in the club: Exploring criteria governing metacommunity membership for obligate symbionts under host-symbiont feedback. *Journal of Theoretical Biology*, 510(??):Article 110512, February 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303672`.

vanBenthem:2020:DDM

[vBW20] Koen J. van Benthem and Meike J. Wittmann. Density dependence on multiple spatial scales maintains spatial variation in both abundance and traits. *Journal of Theoretical Biology*, 491(??):Article 110142, April 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319305119`.

vandenBosch:2023:VVS

[vdBMB+23] Frank van den Bosch, Neil McRoberts, Yoann Bourhis, Stephen Parnell, and Kirsty L. Hassall. The value of volunteer surveillance for the early detection of biological invaders. *Journal of Theoretical Biology*, 560(??):??, March 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003769`.

vanderVegt:2022:MMA

[vdVPW+22] Solveig A. van der Vegt, Liudmila Polonchuk, Ken Wang, Sarah L. Waters, and Ruth E. Baker. Mathematical modelling of autoimmune myocarditis and the effects of immune checkpoint inhibitors. *Journal of Theoretical Biology*, 537(??):Article 111002, March 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321004227`.

Villa:2022:NNP

[VGC22] Chiara Villa, Alf Gerisch, and Mark A. J. Chaplain. A novel nonlocal partial differential equation model of endothelial progenitor cell cluster formation during the early stages of vasculogenesis. *Journal of Theoretical Biology*, 534(??):Article 110963, February 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003830`.

Vilches:2021:AED

[VGTY21] Thomas N. Vilches, Carlos Graeff-Teixeira, and Hyun Mo Yang. Assessing the effects of diagnostic sensitivity on schistosomiasis dynamics. *Journal of Theoretical Biology*, 523(??):??, August 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001491`.

Vafadar:2020:IDH

[VKS+20] Safar Vafadar, Kaveh Kavousi, Hadiseh Safdari, Ata Kalirad, and Mehdi Sadeghi. From indication to decision: a hierarchical approach to model the chemotactic behavior of *Escherichia coli*. *Journal of Theoretical Biology*, 495(??):Article 110253, June 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301089`.

Valega-Mackenzie:2023:OCA

[VMRSL23] Wencel Valega-Mackenzie, Karen Ríos-Soto, and Suzanne Lenhart. Optimal control applied to Zika virus epi-

demics in Colombia and Puerto Rico. *Journal of Theoretical Biology*, 575(??):??, November 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002448`.

Vissio:2022:IIH

[VP22] Gabriele Vissio and Antonello Provenzale. On–off intermittency and irruptions in host–parasitoid dynamics. *Journal of Theoretical Biology*, 546(??):Article 111174, August 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001722`.

Vundavilli:2021:NMI

[VTDM21] Haswanth Vundavilli, Lokesh P. Tripathi, Aniruddha Datta, and Kenji Mizuguchi. Network modeling and inference of peroxisome proliferator-activated receptor pathway in high fat diet-linked obesity. *Journal of Theoretical Biology*, 519(??):??, June 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000692`.

Vibishan:2024:RBM

[VVD24] B. Vibishan, Harshavardhan B. V., and Sutirth Dey. A resource-based mechanistic framework for castration-resistant prostate cancer (CRPC). *Journal of Theoretical Biology*, 587(??):??, June 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000870`.

Wedgwood:2022:MDC

[WA22] Kyle C. A. Wedgwood and Peter Ashwin. Morphogen-directed cell fate boundaries: slow passage through bifurcation and the role of folded saddles. *Journal of Theoretical Biology*, 549(??):Article 111220, September 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002181`.

Wadhwa:2022:SFN

[Wad22] Dinkar Wadhwa. The series of a four-node motif and coherent type-1 feed-forward loop can provide sensitive detection over arbitrary range of input signal, thereby explain Weber's law in higher-order sensory processes, and compute logarithm. *Journal of Theoretical Biology*, 543(??):Article 111107, June 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001059`.

Wallace:2020:STC

[Wal20] Rodrick Wallace. Signal transduction in cognitive systems: Origin and dynamics of the inverted-U/U dose-response relations. *Journal of Theoretical Biology*, 504(??):Article 110377, November 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302320`.

Walch:2022:MPI

[Wal22] Jean-Paul Walch. Modeling phyllotaxis: From the inhibition potential to the real plant. *Journal of Theoretical Biology*, 553(??):Article 111261, November 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002521`.

Wattis:2022:APG

[WBKR22] Jonathan A. D. Wattis, Sian M. Bray, Panagiota Kyratzi, and Cyril Rauch. Analysis of phenotype-genotype associations using genomic informational field theory (GIFT). *Journal of Theoretical Biology*, 548(??):Article 111198, September 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001965`.

Warne:2020:PGP

[WBS20] David J. Warne, Ruth E. Baker, and Matthew J. Simpson. A practical guide to pseudo-marginal methods for computational inference in systems biology. *Journal of Theoretical Biology*, 496(??):Article 110255, July 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301107`.

Williamson:2021:CLL

[WCD21] Carly Williamson, Helen M. Chamberlin, and Adriana T. Dawes. Coordination of local and long range signaling modulates developmental patterning. *Journal of Theoretical Biology*, 517(??):Article 110596, May 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000187`.

Waites:2021:RBE

[WCM+21] W. Waites, M. Cavaliere, D. Manheim, J. Panovska-Griffiths, and V. Danos. Rule-based epidemic models. *Journal of Theoretical Biology*, 530(??):Article 110851, December 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002708`.

Wifvat:2021:RRM

[WCWL21] Kathryn Wifvat, Erika T. Camacho, Stephen Wirkus, and Thierry Léveillard. The role of RdCVFL in a mathematical model of photoreceptor interactions. *Journal of Theoretical Biology*, 520(??):??, July 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000643`.

Willard:2023:THC

[WDA+23] Helena F. Willard, Eva S. Deutekom, Denis Allemand, Sylvie Tambutté, and Jaap A. Kaandorp. Testing hypotheses on the calcification in scleractinian corals using a spatio-temporal model that shows a high degree of robustness. *Journal of Theoretical Biology*, 561(??):??, March 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003733`.

Whitman:2020:STD

[WDH+20] John Whitman, Aleya Dhanji, Fernand Hayot, Stuart C. Sealfon, and Ciriyam Jayaprakash. Spatio-temporal dynamics of Host–Virus competition: a model study of influenza A. *Journal of Theoretical Biology*, 484(??):Article 110026, January 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print),

1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319303960`.

Wickman:2020:HGP

[WDHB20] Jonas Wickman, Ulf Dieckmann, Cang Hui, and Åke Brännström. How geographic productivity patterns affect food-web evolution. *Journal of Theoretical Biology*, 506(??):Article 110374, December 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302290`.

Wardah:2020:PPP

[WDT+20] Wafaa Wardah, Abdollah Dehzangi, Ghazaleh Taherzadeh, Mahmood A. Rashid, M. G. M. Khan, Tatsuhiko Tsunoda, and Alok Sharma. Predicting protein-peptide binding sites with a deep convolutional neural network. *Journal of Theoretical Biology*, 496(??):Article 110278, July 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301338`.

Wild:2023:KSM

[WFT23] Geoff Wild, Vonica J. Flear, and Graham J. Thompson. A kin-selection model of fairness in heterogeneous populations. *Journal of Theoretical Biology*, 565(??):??, May 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000656`.

Waldeland:2021:SII

[WGRE21] Jahn Otto Waldeland, Jon-Vidar Gaustad, Einar K. Rofstad, and Steinar Evje. In silico investigations of intratumoral heterogeneous interstitial fluid pressure. *Journal of Theoretical Biology*, 526(??):Article 110787, October 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932100206X`.

Wang:2021:GPS

[WH21] Xiaoliang Wang and Andrew Harrison. A general principle for spontaneous genetic symmetry breaking and pattern formation within cell populations. *Journal of Theoret-*

ical Biology, 526(??):Article 110809, October 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002289`.

Woolley:2022:ADD

[WHH22] Thomas E. Woolley, William Hill, and Catherine Hogan. Accounting for dimensional differences in stochastic domain invasion with applications to precancerous cell removal. *Journal of Theoretical Biology*, 541(??):Article 111024, May 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000224`.

Whitehead:2020:CSG

[Whi20] Hal Whitehead. Cultural specialization and genetic diversity: Killer whales and beyond. *Journal of Theoretical Biology*, 490(??):Article 110164, April 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300205`.

Whitmeyer:2021:SIS

[Whi21] Mark Whitmeyer. Strategic inattention in the Sir Philip Sidney Game. *Journal of Theoretical Biology*, 509(??): Article 110513, January 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303684`.

Whittaker:2023:UES

[WHRH+23] Dominic G. Whittaker, Alejandra D. Herrera-Reyes, Maurice Hendrix, Markus R. Owen, Leah R. Band, Gary R. Mirams, Kirsty J. Bolton, and Simon P. Preston. Uncertainty and error in SARS-CoV-2 epidemiological parameters inferred from population-level epidemic models. *Journal of Theoretical Biology*, 558(??):??, February 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003289`.

Wild:2023:PBG

[Wil23] Geoff Wild. Pillars of biology: 'the genetical evolution of social behaviour, I and II'. *Journal of Theoretical Biology*, 562(??):??, April 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000267`.

Wang:2020:SAM

[WLJ+20] Guan Wang, Hamid Laga, Jinyuan Jia, Stanley J. Miklavcic, and Anuj Srivastava. Statistical analysis and modeling of the geometry and topology of plant roots. *Journal of Theoretical Biology*, 486(??):Article 110108, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304771`.

Wei:2019:VDE

[WLW19] Yuting Wei, Yaosen Lin, and Bin Wu. Vaccination dilemma on an evolving social network. *Journal of Theoretical Biology*, 483(??):Article 109978, December 21, 2019. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319303212`. See corrigendum [WLW20].

Wei:2020:CVD

[WLW20] Yuting Wei, Yaosen Lin, and Bin Wu. Corrigendum to "Vaccination dilemma on an evolving social network" [Journal of Theoretical Biology **483** (2019) 109978]. *Journal of Theoretical Biology*, 490(??):Article 110154, April 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300102`. See [WLW19].

West:2020:FPR

[WM20] Robert West and Mauro Mobilia. Fixation properties of rock–paper–scissors games in fluctuating populations. *Journal of Theoretical Biology*, 491(??):Article 110135, April 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319305041`.

Wang:2021:PSM

[WM21a] Jia-Zeng Wang and Ying-Tao Meng. The power spectrum of the membrane voltage driven by a single nACh receptor. *Journal of Theoretical Biology*, 509(??):Article 110528, January 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303830`.

Wang:2021:VDP

[WM21b] Jia-Zeng Wang and Ying-Tao Meng. The voltage-depolarization performance vs the free energy cost of a single nACh receptor. *Journal of Theoretical Biology*, 531(??):Article 110904, December 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003234`.

Williams:2023:CSD

[WMO23] Thomas Williams, James M. McCaw, and James M. Osborne. Choice of spatial discretisation influences the progression of viral infection within multicellular tissues. *Journal of Theoretical Biology*, 573(??):??, September 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001893`.

Week:2021:WNA

[WNHK21] Bob Week, Scott L. Nuismer, Luke J. Harmon, and Stephen M. Krone. A white noise approach to evolutionary ecology. *Journal of Theoretical Biology*, 521(??):??, July 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000825`.

Worden:2020:CCF

[Wor20] Lee Worden. Conservation of community functional structure across changes in composition in consumer-resource models. *Journal of Theoretical Biology*, 493(??):Article 110239, May 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300941`.

Wang:2021:MMH

[WP21] Jiayu Wang and Stephen J. Payne. Mathematical modelling of haemorrhagic transformation after ischaemic stroke. *Journal of Theoretical Biology*, 531(??):Article 110920, December 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003398`.

Weathered:2022:RBB

[WPEP22] Catherine Weathered, Kelly Pennington, Patricio Escalante, and Elsje Pienaar. The role of biofilms, bacterial phenotypes, and innate immune response in *Mycobacterium avium* colonization to infection. *Journal of Theoretical Biology*, 534(??):Article 110949, February 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003684`.

White:2022:IDL

[WRB22] C. White, V. Rottschäfer, and L. J. Bridge. Insights into the dynamics of ligand-induced dimerisation via mathematical modelling and analysis. *Journal of Theoretical Biology*, 538(??):Article 110996, April 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321004161`.

Wang:2022:MEP

[WS22] Jia-Zeng Wang and Zhuo-Jun Shen. Mechanisms of the end-plate potential noise and its implication for the neuromuscular junction anatomy. *Journal of Theoretical Biology*, 540(??):Article 111089, May 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932200087X`.

Wilasang:2022:CEH

[WSC+22] Chaiwat Wilasang, Pikkanet Suttirat, Sudarat Chadsuthi, Anuwat Wiratsudakul, and Charin Modchang. Competitive evolution of H1N1 and H3N2 influenza viruses in the United States: a mathematical modeling study. *Journal of Theoretical Biology*, 555(??):Article 111292, December 21, 2022.

CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002831`.

Williams:2023:AMM

[WSEK23] Katherine S. Williams, Timothy W. Secomb, and Ardith W. El-Kareh. An autonomous mathematical model for the mammalian cell cycle. *Journal of Theoretical Biology*, 569(??):??, July 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001297`.

Wang:2021:ESD

[WSW21] Guocheng Wang, Qi Su, and Long Wang. Evolution of state-dependent strategies in stochastic games. *Journal of Theoretical Biology*, 527(??):Article 110818, October 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932100237X`.

Wei:2021:DRD

[WSY21] Yingying Wei, Baojun Song, and Sanling Yuan. Dynamics of a ratio-dependent population model for Green Sea Turtle with age structure. *Journal of Theoretical Biology*, 516(??):Article 110614, May 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000369`.

Whitfield:2023:MIR

[WUH23] Carl A. Whitfield, University of Manchester COVID-19 Modelling Group, and Ian Hall. Modelling the impact of repeat asymptomatic testing policies for staff on SARS-CoV-2 transmission potential. *Journal of Theoretical Biology*, 557(??):??, January 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003265`.

Weiss:2021:EFR

[WvdDL+21] Lora D. Weiss, P. van den Driessche, John S. Lowengrub, Dominik Wodarz, and Natalia L. Komarova. Effect of feedback regulation on stem cell fractions in tissues and tumors:

Understanding chemoresistance in cancer. *Journal of Theoretical Biology*, 509(??):Article 110499, January 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320303544`.

Wang:2022:ISG

[WW22] Yue Wang and Zikun Wang. Inference on the structure of gene regulatory networks. *Journal of Theoretical Biology*, 539(??):Article 111055, April 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000534`.

Wang:2024:SMM

[WW24] Tianxu Wang and Hao Wang. Stoichiometric microplastics models in natural and laboratory environments. *Journal of Theoretical Biology*, 580(??):??, March 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000146`.

Walker:2024:MMB

[WWR+24] N. C. Walker, S. M. White, S. A. Ruiz, D. McKay Fletcher, M. Saponari, and T. Roose. A mathematical model of biofilm growth and spread within plant xylem: Case study of *Xylella fastidiosa* in olive trees. *Journal of Theoretical Biology*, 581(??):??, March 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000183`.

Wang:2021:ITT

[WZKM21] Yue Wang, Boyu Zhang, Jérémie Kropp, and Nadya Morozova. Inference on tissue transplantation experiments. *Journal of Theoretical Biology*, 520(??):??, July 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000679`.

Wang:2023:CPG

[WZP+23] Yue Wang, Joseph X. Zhou, Edoardo Pedrini, Irit Rubin, May Khalil, Roberto Taramelli, Hong Qian, and Sui

Huang. Cell population growth kinetics in the presence of stochastic heterogeneity of cell phenotype. *Journal of Theoretical Biology*, 575(??):??, November 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002424`.

Xu:2023:SWH

[XCFH23] Jingsi Xu, Jonathan Carruthers, Thomas Finnie, and Ian Hall. Simplified within-host and dose-response models of SARS-CoV-2. *Journal of Theoretical Biology*, 565(??):??, May 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000437`.

Xu:2020:MMM

[XCH+20] Bo Xu, Jun Cai, Daihai He, Gerardo Chowell, and Bing Xu. Mechanistic modelling of multiple waves in an influenza epidemic or pandemic. *Journal of Theoretical Biology*, 486(??):Article 110070, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304394`.

Xia:2020:ERN

[XDT+20] Fan Xia, Feng Deng, Hui Tian, Wei He, Yanni Xiao, and Xiaodan Sun. Estimation of the reproduction number and identification of periodicity for HFMD infections in northwest China. *Journal of Theoretical Biology*, 484(??):Article 110027, January 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319303972`.

Xu:2021:SDI

[XDZ+21] Nuo Xu, Gustav W. Delius, Lai Zhang, Uffe H. Thygesen, and Ken H. Andersen. Spatial drivers of instability in marine size-spectrum ecosystems. *Journal of Theoretical Biology*, 517(??):Article 110631, May 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000539`.

Xie:2020:NTT

[Xie20] Ping Xie. Non-tight and tight chemomechanical couplings of biomolecular motors under hindering loads. *Journal of Theoretical Biology*, 490(??):Article 110173, April 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300291`.

Xie:2021:DKM

[Xie21] Ping Xie. Dynamics of kinesin motor proteins under longitudinal and sideways loads. *Journal of Theoretical Biology*, 530(??):Article 110879, December 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002988`. See corrigendum [Xie22].

Xie:2022:CDK

[Xie22] Ping Xie. Corrigendum to "Dynamics of kinesin motor proteins under longitudinal and sideways loads" [J. Theor. Biol. **530** (2021) 110879]. *Journal of Theoretical Biology*, 544(??):Article 111137, July 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001357`. See [Xie21].

Xie:2023:MMI

[Xie23] Ping Xie. Molecular mechanism of interaction between kinesin motors affecting their residence times on microtubule lattice and end. *Journal of Theoretical Biology*, 571(??):??, August 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323001534`.

Xie:2024:ESM

[Xie24] Ping Xie. Effect of small molecular crowders on dynamics of kinesin molecular motors. *Journal of Theoretical Biology*, 578(??):??, February 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002825`.

Xu:2020:GPD

[XKV20] Yifang Xu, Andrew L. Krause, and Robert A. Van Gorder. Generalist predator dynamics under Kolmogorov versus non-Kolmogorov models. *Journal of Theoretical Biology*, 486(??):Article 110060, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304291`.

Xu:2022:SSC

[XML22] Jingjing Xu, Evelyn H. Merrill, and Mark A. Lewis. Spreading speed of chronic wasting disease across deer groups with overlapping home ranges. *Journal of Theoretical Biology*, 547(??):Article 111135, August 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001333`.

Xiao:2024:CCA

[XSH+24] Chun Xiao, Yishui Sun, Huaxiong Huang, Xingye Yue, Zilong Song, Tim David, and Shixin Xu. Cellular communication among smooth muscle cells: the role of membrane potential via connexins. *Journal of Theoretical Biology*, 576(??):??, January 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002242`.

Xie:2020:WHM

[XYK+20] Xiao-Ting Xie, Alexander Yitbarek, Salah Uddin Khan, Shayan Sharif, Zvonimir Poljak, and Amy L. Greer. A within-host mathematical model of H9N2 avian influenza infection and type-I interferon response pathways in chickens. *Journal of Theoretical Biology*, 499(??):Article 110320, August 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301752`.

Xie:2024:MAR

[XZW+24] Qingxin Xie, Han Zhang, Maoxiang Wang, Kexun Yan, Fenglan Hu, and Meng Xu. A model about regulation on three division modes of stem cell. *Journal of*

Theoretical Biology, 581(??):??, March 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000274`.

Xue:2023:TMD

[XZZ+23] Ling Xue, Hongyu Zhang, Xiaoming Zheng, Wei Sun, and Jinzhi Lei. Treatment of melanoma with dendritic cell vaccines and immune checkpoint inhibitors: a mathematical modeling study. *Journal of Theoretical Biology*, 568(??):??, July 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000851`.

Yang:2021:MET

[YAN21] Yichi Yang, Yusuke Asai, and Hiroshi Nishiura. A method for estimating the transmissibility of influenza using serial cross-sectional seroepidemiological data. *Journal of Theoretical Biology*, 511(??):Article 110566, February 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320304215`.

Yadipour:2023:OFE

[YBF23] Mehdi Yadipour, Md Arif Billah, and Imraan A. Faruque. Optic flow enrichment via *Drosophila* head and retina motions to support inflight position regulation. *Journal of Theoretical Biology*, 562(??):??, April 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000127`.

Yin:2020:EMN

[YdKdJ+20] Shenglai Yin, Henrik J. de Knegt, Mart C. M. de Jong, Yali Si, Herbert H. T. Prins, Zheng Y. X. Huang, and Willem F. de Boer. Effects of migration network configuration and migration synchrony on infection prevalence in geese. *Journal of Theoretical Biology*, 502(??):Article 110315, October 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301703`.

Younes:2021:MMA

[YE21] G. Abi Younes and N. El Khatib. Mathematical modeling of atherogenesis: Atheroprotective role of HDL. *Journal of Theoretical Biology*, 529(??):Article 110855, November 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002745`.

Yu:2020:TCF

[YFZ+20] Jie-Ru Yu, Tian-Jiao Feng, Xiu-Deng Zheng, Da-Hua Chen, and Yi Tao. Transitions in the cell-fate induction induced by colored noise associated with the inductive stimulus. *Journal of Theoretical Biology*, 484(??):Article 110018, January 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319303881`.

Yamaguchi:2021:EGA

[YI21] Sachi Yamaguchi and Yoh Iwasa. Evolutionary game in an androdioecious population: Coupling of outcrossing and male production. *Journal of Theoretical Biology*, 513(??):Article 110594, March 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000163`.

Yin:2021:LPC

[Yin21] Changchuan Yin. Latent periodicity-2 in coronavirus SARS-CoV-2 genome: Evolutionary implications. *Journal of Theoretical Biology*, 515(??):Article 110604, April 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000266`.

Yule:2020:IAI

[YJBF20] Kelsey M. Yule, Christopher A. Johnson, Judith L. Bronstein, and Régis Ferrière. Interactions among interactions: the dynamical consequences of antagonism between mutualists. *Journal of Theoretical Biology*, 501 (??):Article 110334, September 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301892`.

Yao:2024:NMF

[YJZ+24] Zhihao Yao, Suoqin Jin, Fuling Zhou, Junbai Wang, Kai Wang, and Xiufen Zou. A novel multiscale framework for delineating cancer evolution from subclonal compositions. *Journal of Theoretical Biology*, 582(??):??, April 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000249`.

Yuan:2022:QMP

[YLT22] Baoyin Yuan, Rui Liu, and Sanyi Tang. A quantitative method to project the probability of the end of an epidemic: Application to the COVID-19 outbreak in Wuhan, 2020. *Journal of Theoretical Biology*, 545(??):Article 111149, July 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001473`.

Yuan:2021:SST

[YLZ+21] Ye Yuan, Jian Liu, Peng Zhao, Hong Huo, and Tao Fang. Spike signal transmission between modules and the predictability of spike activity in modular neuronal networks. *Journal of Theoretical Biology*, 526(??):Article 110811, October 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002307`.

Yu:2023:NID

[YM23] Xingwang Yu and Yuanlin Ma. Noise-induced dynamics in a single species model with Allee effect driven by correlated colored noises. *Journal of Theoretical Biology*, 573(??):??, September 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002072`.

Yang:2024:JJC

[YMR24] Feifei Yang, Jun Ma, and Guodong Ren. A Josephson junction-coupled neuron with double capacitive membranes. *Journal of Theoretical Biology*, 578(??):??, February 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002837`.

Ye:2020:QPU

[YRMWT20] Yanan Ye, Alvaro Ruiz-Martinez, Peng Wang, and Daniel M. Tartakovsky. Quantification of predictive uncertainty in models of FtsZ ring assembly in *Escherichia coli*. *Journal of Theoretical Biology*, 484(??):Article 110006, January 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319303765`.

Yadav:2023:CTP

[YSK23] Saumya Yadav, Aritra Sen, and Ambarish Kunwar. Cargo transport properties are enhanced by cylindrical microtubule geometry and elliptical contact zone on cargo surface. *Journal of Theoretical Biology*, 565(??):??, May 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000620`.

Yin:2023:HTC

[YSP+23] Fulian Yin, Yuwei She, Yanyan Pan, Xinyi Tang, Haotong Hou, and Jianhong Wu. Hot-topics cross-propagation and opinion-transfer dynamics in the Chinese Sina-microblog social media: a modeling study. *Journal of Theoretical Biology*, 566(??):??, June 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323000760`.

Yang:2021:CHB

[YST21] Lei Yang, Weigang Sun, and Marc Turcotte. Coexistence of Hopf-born rotation and heteroclinic cycling in a time-delayed three-gene auto-regulated and mutually-repressed core genetic regulation network. *Journal of Theoretical Biology*, 527(??):Article 110813, October 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002320`.

Yang:2021:UMM

[YTH+21] Boya Yang, Xi Tang, Michael J. Haller, Desmond A. Schatz, and Libin Rong. A unified mathematical model of thyroid hormone regulation and implication for personalized

treatment of thyroid disorders. *Journal of Theoretical Biology*, 528(??):Article 110853, November 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002721`.

Yokoyama:2021:CFF

[YTW21] Naoto Yokoyama, Naoki Takeishi, and Shigeo Wada. Cerebrospinal fluid flow driven by arterial pulsations in axisymmetric perivascular spaces: Analogy with Taylor's swimming sheet. *Journal of Theoretical Biology*, 523(??):??, August 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321001314`.

Yan:2020:IMR

[YTY+20] Qinling Yan, Yingling Tang, Dingding Yan, Jiaying Wang, Linqian Yang, Xinpei Yang, and Sanyi Tang. Impact of media reports on the early spread of COVID-19 epidemic. *Journal of Theoretical Biology*, 502(??):Article 110385, October 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932030240X`.

Yan:2023:CMA

[YWQX23] Kexun Yan, Maoxiang Wang, Zhipeng Qiu, and Meng Xu. A cell model about symmetric and asymmetric stem cell division. *Journal of Theoretical Biology*, 560(??):??, March 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932200371X`.

Yu:2021:GPM

[YXW21] Chong Yu, Hong Xu, and Jin Wang. A global and physical mechanism of gastric cancer formation and progression. *Journal of Theoretical Biology*, 520(??):??, July 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000655`.

Yin:2021:IRC

[YY21] Changchuan Yin and Stephen S.-T. Yau. Inverted repeats in coronavirus SARS-CoV-2 genome manifest the

evolution events. *Journal of Theoretical Biology*, 530 (??):Article 110885, December 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321003040`.

Yamaguchi:2021:ELC

[YYI21] Sachi Yamaguchi, Yoichi Yusa, and Yoh Iwasa. Evolution of life cycle dimorphism: an example of sacoglossan sea slugs. *Journal of Theoretical Biology*, 525(??):??, September 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932100182X`.

Yin:2020:SRP

[YZB20] Zhanyuan Yin and Leif Zinn-Björkman. Simulating rolling paths and reorientation behavior of ball-rolling dung beetles. *Journal of Theoretical Biology*, 486(??):Article 110106, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304758`.

Yan:2020:CAE

[YZSS20] Luyao Yan, Honghui Zhang, Zhongkui Sun, and Zhuan Shen. Control analysis of electrical stimulation for epilepsy waveforms in a thalamocortical network. *Journal of Theoretical Biology*, 504(??):Article 110391, November 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302460`.

Zhang:2022:NMO

[ZB22] Yi Zhang and Daniel Boley. Nonlinear multi-objective flux balance analysis of the Warburg Effect. *Journal of Theoretical Biology*, 550(??):Article 111223, October 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002211`.

Zhou:2022:EVC

[ZBT22] Weike Zhou, Yao Bai, and Sanyi Tang. The effectiveness of various control strategies: an insight from a comparison modelling study. *Journal of Theoretical Biol-*

ogy, 549(??):Article 111205, September 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932200203X`.

Zhdanova:2021:GPU

[ZF21] Oksana L. Zhdanova and Efim Ya. Frisman. Genetic polymorphism under cyclical selection in long-lived species: the complex effect of age structure and maternal selection. *Journal of Theoretical Biology*, 512(??):Article 110564, March 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320304197`.

Zhang:2021:SSM

[ZG21] Ruqiang Zhang and Didier Gonze. Stochastic simulation of a model for circadian rhythms in plants. *Journal of Theoretical Biology*, 527(??):Article 110790, October 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002095`.

Zhang:2020:USU

[ZL20] Xinyu Zhang and Alan J. Levy. On the uniform stress/uniform stretch states of prestressed arteries. *Journal of Theoretical Biology*, 486(??):Article 110100, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304692`.

Zhao:2020:MPE

[ZLYL20] Yu Zhao, Rong Liang, Yiying Yang, and Songyi Lin. The mechanism of pulsed electric field (PEF) targeting location on the spatial conformation of pine nut peptide. *Journal of Theoretical Biology*, 492(??):Article 110195, May 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320300503`.

Zeaiter:2020:PHT

[ZM20] Zeaiter Zeaiter and Mary R. Myerscough. Poor hive thermoregulation produces an Allee effect and leads to colony collapse. *Journal of Theoretical Biology*, 503(??):Article 110361,

October 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302162`.

Zobolas:2022:BFM

[ZMKF22] John Zobolas, Pedro T. Monteiro, Martin Kuiper, and Åsmund Flobak. Boolean function metrics can assist modelers to check and choose logical rules. *Journal of Theoretical Biology*, 538(??):Article 111025, April 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000236`.

Zhang:2023:DVS

[ZPP23] Peng Zhang, Sean D. Peterson, and Maurizio Porfiri. Dipole- and vortex sheet-based models of fish swimming. *Journal of Theoretical Biology*, 556(??):??, January 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003046`.

Zhang:2024:DMC

[ZQHN24] Tong Zhang, Jiaying Qiao, Katsuma Hayashi, and Hiroshi Nishiura. Decomposing mechanisms of COVID-19 mortality in empirical datasets: a modeling study. *Journal of Theoretical Biology*, 584(??):??, May 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000523`.

Zhang:2021:MOC

[ZRL+21] Xianghong Zhang, Xinmiao Rong, Juan Li, Meng Fan, Youming Wang, Xiangdong Sun, Baoxu Huang, and Huaiping Zhu. Modeling the outbreak and control of African swine fever virus in large-scale pig farms. *Journal of Theoretical Biology*, 526(??):Article 110798, October 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002174`.

Zhao:2023:MTA

[ZSL23] Na Zhao, Jian Song, and Shenquan Liu. Multi-timescale analysis of midbrain dopamine neuronal firing activities. *Journal*

of Theoretical Biology, 556(??):??, January 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003010`.

Zeltser:2022:MMM

[ZSN22] Gregory Zeltser, Ilya M. Sukhanov, and Alexey J. Nevorotin. MMM — the molecular model of memory. *Journal of Theoretical Biology*, 549(??):Article 111219, September 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932200217X`.

Zaytseva:2022:PFM

[ZSS+22] Sofya Zaytseva, Leah B. Shaw, Junping Shi, Matthew L. Kirwan, and Romuald N. Lipcius. Pattern formation in marsh ecosystems modeled through the interaction of marsh vegetation, mussels and sediment. *Journal of Theoretical Biology*, 543(??):Article 111102, June 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932200100X`.

Zhao:2022:NPI

[ZWC+22] Shi Zhao, Kai Wang, Marc K. C. Chong, Salihu S. Musa, Mu He, Lefei Han, Daihai He, and Maggie H. Wang. The non-pharmaceutical interventions may affect the advantage in transmission of mutated variants during epidemics: a conceptual model for COVID-19. *Journal of Theoretical Biology*, 542(??):Article 111105, June 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001035`.

Zhao:2024:IST

[ZWT24] Wuqiong Zhao, Xia Wang, and Biao Tang. The impacts of spatial-temporal heterogeneity of human-to-human contacts on the extinction probability of infectious disease from branching process model. *Journal of Theoretical Biology*, 579(??):??, February 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323003004`.

Zhong:2022:SPR

[ZWW22] Haonan Zhong, Kaifa Wang, and Wendi Wang. Spatiotemporal pattern recognition and dynamical analysis of COVID-19 in Shanghai, China. *Journal of Theoretical Biology*, 554(??):Article 111279, December 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002703`.

Zhang:2023:EDU

[ZWWW23] Feipeng Zhang, Xiaofeng Wang, Te Wu, and Long Wang. Evolutionary dynamics under partner preferences. *Journal of Theoretical Biology*, 557(??):??, January 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003319`.

Zhou:2022:ECF

[ZX22] Xiao Zhou and BingKan Xue. Effect of compositional fluctuation on the survival of bet-hedging species. *Journal of Theoretical Biology*, 553(??):Article 111270, November 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322002612`.

Zhang:2023:TRA

[ZXLH23] Kai Zhang, Ling Xue, Xuezhi Li, and Daihai He. Transmission risk assessment of HIV/AIDS epidemic resulting from sexual transmission in China, 2013–2017. *Journal of Theoretical Biology*, 575(??):??, November 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002321`.

Zhou:2021:VTG

[ZYLW21] Jian Zhou, Kailiang Yu, Guanghui Lin, and Zhiheng Wang. Variance in tree growth rates provides a key link for completing the theory of forest size structure formation. *Journal of Theoretical Biology*, 529(??):Article 110857, November 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002769`.

Zhang:2022:MEA

[ZZ22] Rui Zhang and Yunhu Zhang. Modeling the effects of air pollutants and meteorological factors on scarlet fever in five provinces, Northwest China, 2013–2018. *Journal of Theoretical Biology*, 544(??):Article 111134, July 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001321`.

Zhang:2021:OCS

[ZZB+21] Bo Zhang, Lu Zhai, Jason Bintz, Suzanne M. Lenhart, Wencel Valega-Mackenzie, and J. David Van Dyken. The optimal controlling strategy on a dispersing population in a two-patch system: Experimental and theoretical perspectives. *Journal of Theoretical Biology*, 528(??):Article 110835, November 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932100254X`.

Zhang:2021:CME

[ZZGG21] Manyu Zhang, Alice Zhao, Chun Guo, and Lingzhong Guo. A combined modelling and experimental study of heat shock factor SUMOylation in response to heat shock. *Journal of Theoretical Biology*, 530(??):Article 110877, December 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002964`.

Zhao:2021:SSI

[ZZT+21] Shi Zhao, Yu Zhao, Biao Tang, Daozhou Gao, Zihao Guo, Marc K. C. Chong, Salihu S. Musa, Yongli Cai, Weiming Wang, Daihai He, and Maggie H. Wang. Shrinkage in serial intervals across transmission generations of COVID-19. *Journal of Theoretical Biology*, 529(??):Article 110861, November 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321002800`.