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2 [AFTF22, KRSSH21, PD23, RBG+23, SRB+24, Yin21]. 3 [ABB+22, BMB+21, FSC21, GF23, MPTCT+20, MMS+23]. 4 [CKTW24]. $^{+}$ [BCK24, LLS+22]. $^{2+}$ [CBK+20, KK22a, LYE+24, PO20]. $_{2}$ [AG22]. a [PLSS24a, PLSS24b]. β [CSF20, FVB20, GHB22, IMM24, Kuz24a, Kuz24c]. γ [PJVR23]. h [PWC+23]. n [KT20a]. R_0 [KRSSH21]. T [LLS+22].

-catenin [CSF20]. **-cells** [FVB20]. **-Dimensional** [AFTF22]. **-protein** [IMM24]. **-serovar** [KT20a]. **-subtree** [CKTW24]. **-wave** [PLSS24a, PLSS24b].

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

01-17 [PLSS24a]. **01-17/111879** [PLSS24a].

1 [BS21, CTL+22, KKK+20, LBF24, NTTI22, PGML20, SF23]. **17/111879**

[PLSS24a]. **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, dIMM24, 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**
[Ano24i, Ano24a, Ano24j, Ano24b, Ano24k, Ano24c, Ano24l, Ano24d, Ano24n, Ano24f, Ano24m, Ano24e, Ano24o, Ano24g, Ano24p, Ano24h, Ano24q, Ano24r]. **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, Ano24f, Ano24e, Ano24g, Ano24h]. **27** [LBF24]. **289** [JCLS+21].

3a [AAL+21].

4 [KK23, PJVR23]. **40** [MP22]. **417** [Sch23]. **439** [SSKS20]. **447** [Lio24]. **454** [Sch21a]. **456** [GHS20]. **483** [WLW20]. **486** [D'A20a, RB22]. **492** [Lei24]. **498** [PP24]. **4T1** [GYY+23].

526 [Cor22]. **527** [HPSA23]. **530** [Xie22]. **537** [Akh23]. **545** [CBH+23]. **592** [PLSS24a].

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, Ano24i, Ano24j, Ano24k, Ano24l, Ano24n, Ano24m, Ano24o, Ano24p, Ano24q, Ano24r].

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, BCK24, 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]. **adherence** [YHT24]. **adhesion** [IHO+20, PJB21]. **adhesive** [SK23]. **adipocyte** [GMR+24]. **adiponectin** [SNK20]. **Adipose** [DWNW24, HBWLLPA21]. **adjacent** [KMA+21]. **adjustments** [SW22]. **administration** [BLP20]. **adrenergic** [MCL21]. **adult** [LSZ21, WMHV24]. **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, CNK24, 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, PLSS24a, PLSS24b, SSBG20, WSY21, ZF21]. **age-related** [PLSS24a, PLSS24b]. **Age-structured** [APR+22b, DDDMT22, HK21, LRST22, SSBG20]. **aged** [WMHV24]. **ageing** [BC20]. **agent** [Ala20, GTGB21, GGG21, IH21, Pro24, SLML20, TT20]. **agent-based** [Ala20, GTGB21, GGG21, IH21]. **agent-model** [SLML20]. **aggregate**

[GWZ+22]. **aggregates** [Kuz24a]. **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** [DWNW24, DEM+23]. **Akt** [GC20, KLLL22]. **alcohol** [GBRM21]. **algae** [OTI+20, TMTK22]. **algae-phosphorus** [TMTK22]. **algal** [SGJ+24]. **algebraic** [MPTCT+20, MZLJ20]. **algorithm** [AFTF22, CLW+24]. **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** [IMM24, LLZ+22]. **American** [LZ23]. **amino** [CWT+23, MBF21]. **among** [ADLM24, CBPG23, Kan21, MH22b, Sak22a, TP24, XSH+24, YJBF20]. **among-parent** [Sak22a]. **amplitude** [MG21]. **amyloid** [Kuz24c]. **amyloid-** [Kuz24c]. **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, TP24]. **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]. **apoptotic** [MF24]. **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, Ano24i, 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, VCS24, 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]. **assortment** [ML24]. **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, Ano24j, Ano24b]. **aureus** [BJB+20, SHH20]. **Austria** [KPA+21]. **auto** [YST21]. **auto-regulated** [YST21]. **autocatalysts** [SR24]. **Autocatalytic** [SSS21, Kuz24a, Rav21]. **Autocatalytic-protection** [SSS21]. **Autoimmune** [HI20, vdVPW+22]. **automata** [DEM+23, LPSMCP23, LSZ21, HCR20]. **Automated** [RW20]. **automaton** [LSWVB24]. **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, Hoe24, 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, Lei24, PAV21, SLML20, SMS20, VKS+20, YZB20]. **Behavioral** [HDM20, BLP20, MSM23, SBSB23]. **behaviors** [ETTT24, 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, Kuz24a, 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, Lei24, Lio24, PLSS24a, 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, GADDVG+24, GHS20, WLW20, Wil23, Dal22, KTP+20, Sal24, SMM24, Tha24, WBS20]. **biomarkers** [LPSMCP23, LLZ+22]. **Biomathematical** [MMK+24]. **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, Ano24s, Ano24t, Ano24u, Ano24v, Ano24w, Ano24x, Ano24y, Ano24z, Ano24-27, Ano24-28, Ano24-29, Ano24-30, Ano24-31, Ano24-32, Ano24-33, Ano24-34, Ano24-35, Ano24-36]. **body** [HYM+22, Kuz24b]. **Bohr's** [BGGM23]. **BOLD** [BSC20a, SVHM+21]. **bone** [GADDVG+24, 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]. **building** [HPG+24]. **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, BAG+24, 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, WWR+24, CRDD22, FHM20, GMMR22, GW20, LRST22, NAR+20, RBG+23, AGP+23]. **cases** [KBW+23, LMW21, MEPS22]. **caspase** [MF24]. **caspase-mediated** [MF24]. **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** [BCK24, LLS+22, WMHV24]. **Cell** [GLLP23, KTU22, MI23, New20, WZP+23, ASK20, AVSTS23, AMSC20, ABB+22, BCK24, 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, LSWVB24, LSZ21, Lei20, Lei24, 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, WMHV24, 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, MF24, PWC+23, RS24, RY22, SK21, SC23a, UIY22, XSH+24]. **Cellular** [LSZ21, XSH+24, Di 20, DEM+23, FB23, HFD23, HCR20, LSWVB24, 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, DWNW24, 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, SVVPPR+24]. **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]. **childhood** [ASL+24]. **children** [AGTJ23]. **China** [APR+22b, BGM22, CZN+21, LMW21, RLW+21, SXL+20, XDT+20, ZZ22, ZXLH23, ZWW22]. **Chinese** [YSP+23]. **chip** [BAG+24]. **Chlamydia** [AMA20]. **chloride** [UIY22]. **chlorophyll** [SC21]. **Choice** [WMO23, AZYF+23, EBA21, EWS23, NGKB21, San21]. **cholera** [TTBL21]. **chondrocyte** [CNK24]. **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, BCK24, DB22b, GK20, GMS20, KMI23, KTU22, ZG21]. **circle** [TH21]. **circuit** [KK22a]. **circular** [ACMT24, GW21]. **Circulating** [TDRC23]. **circulation** [BAJ+21, Han23]. **citrus** [ILGI20]. **class** [Lio18, Lio24, San21]. **class-structured** [Lio18, Lio24]. **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, LSWVB24, 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, Kuz24a, 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** [OLF+24, UIY22, Wor20]. **compositional** [ZX22]. **compositions** [KJV20, YJZ+24]. **comprehensive** [KR22]. **compressible** [LGBG23]. **compressive** [DH22]. **Computation** [DMAC21, Akh22, Akh23, CSHH20, LZW23]. **Computational** [BSC20a, BAG+24, 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, Kuz24c, 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]. **consolidation** [ASL+24, MB24]. **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, IMM24, 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, ML24, PHN+23, SdAM24]. **Cooperative** [BSC20b, NCL20, RP21a, FZE22]. **cooperativity** [NWVN20]. **coordinate** [DAB+23]. **coordinated** [HBG21]. **Coordination** [WCD21]. **coral** [DCP+22, HPG+24, KGP+22]. **coral-dwelling** [DCP+22]. **Corallium** [KGP+22]. **corals** [WDA+23]. **cord** [LSZ21]. **core** [BAG+24, 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, Lei24, Lio24, 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, MB24, 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, dIMM24, 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, dIMM24, 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]. **cruise** [MBHG+24]. **CSF** [SF23]. **CSF-1** [SF23]. **CT** [BAJ+21]. **cube** [Kuz24b]. **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]. **damicornis** [HPG+24]. **dark** [FFNG+21]. **Darwinian** [BH20, NBBR23]. **Data** [AGP+23, ASL+24, 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, ASL+24, 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]. **defects** [CNK24]. **defense** [PPS+21]. **deformation** [MI23, Tsu20]. **degeneration** [PLSS24a, PLSS24b]. **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, VCS24]. **Density** [EHA+21, vBW20, EP20, GJDS20, GSC23]. **density-area** [GSC23]. **density-dependent** [EP20]. **dependence** [BKP23, GB23, IKYW21, RWHK21, vBW20]. **dependency** [Kuz24b]. **dependent** [ABK24, CWL20, DCL23, DYS+21, EP20, EHA+21, GJDS20, KT20a, LRAP22, LR21, LWM23, NCL20, OLF+24, RS24, SD20, SBC+20, SS21, WSW21, WSY21]. **depends** [IHO21]. **depolarization** [CGK23, Car23, WM21b]. **deposited** [BH23]. **deposition** [CLD21, HMS21, Kuz24a]. **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, Kuz24a]. **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, Kuz24c, Ost23, SS22]. **Developmental** [BPM+22, WCD21]. **device** [BAG+24]. **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, TP24, 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, MTB24, MDCK23, PLXD+20, PLAC22, Sch18, Sch21a]. **diffusive** [GDd+21]. **diffusivity** [Kuz24c]. **digestion** [Avv23]. **digital** [HIA+22]. **dilemma** [KT20b, KL21a, MMI22, WLW19, WLW20]. **dilemmas** [CS22, FPX20, ML24]. **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, IMM24, JKSD23, KHW+22, LX21, LWM23, LLZ+22, MBHG+24, 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, Yam24, YWQX23]. **DNA** [CBH+23, CBH+22, CK20a, DKSP24, FK21, Goy21, IB21, LAP24, RP21b, Van20]. **DNA-structured** [CBH+23, CBH+22]. **Do** [BBR+21, AS21, EBA21, HPSA21, HPSA23, LSW20, MTB24, 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]. **Drafting** [ETTT24]. **drift** [LSZ21]. **drive** [DWNW24, LMG22]. **driven** [AGP+23, ASL+24, BGC+20, BLP20, CSF20, CF20, FBC23, GWZ+22, GZM+20, LFJ21, PRFSHV20, RZRS+22, WM21a, YHT24, YTW21, YM23]. **drivers** [FLR+21, PWC+23, XDZ+21]. **drives** [FBD23, ON24]. **driving** [LSZ21]. **drop** [ETTT24]. **Drosophila** [JA23, YBF23]. **drug** [Ala23, BKZ+22, BCGG21, BV24, DMR21, GDLF20, HGCC22, HII22, HHI24, MPA23, MS20, SLML20, SF24, YHT24]. **drug-targets** [HGCC22]. **drugs** [RNP+21, UV23]. **dsRNA** [SBC+20]. **Dual** [CBK+20]. **duct** [HI21]. **due** [AMR+23, Avv21, DMR21, FH23, HH21, MMG21, MMK+24, NNG20, SLML20]. **dung** [BFG21, YZB20]. **duodenal** [Avv21]. **duodenogastric** [Avv21]. **durability** [KT21]. **duration** [ACD20, PBB20]. **during** [AGP+23, ASF22, APF+24, AGBLGA+22, BP23, BCGG21, CNK24, 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, YHT24, 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, HC24, 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]. **dynamics** [SSX+22, 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, ASL+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** [PLSS24a, PLSS24b, 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, Ano24s, Ano24t, Ano24u, Ano24v, Ano24w, Ano24x, Ano24y, Ano24z, Ano24-27, Ano24-28, Ano24-29, Ano24-30, Ano24-31, Ano24-32, Ano24-33, Ano24-34, Ano24-35, Ano24-36, CKI20]. **educational** [Hon20]. **Effect** [AAL+21, Bai21, EE23, HFD23, Kau23, Kur21, KH24, 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, MBHG+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]. **electroretinogram** [PLSS24a, PLSS24b]. **electrostatic** [PCR21]. **element** [GEHL+22]. **elemental** [OLF+24]. **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]. **Emergent** [ADLM24]. **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]. **enough** [DWNW24]. **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, dIMM24]. **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, LSWVB24, RP21a]. **epizootic** [PGP23]. **equation** [BNP+21, IB21, JCLS+11, JCLS+21, Lio18, Lio24, SMM24, VGC22]. **equations** [DSB+21]. **equilibrium** [AMSC20, AABG20, Lio18, Lio24, LW20]. **equity** [FBA21]. **eradicate** [TNW21]. **eradication** [SLML20]. **Erratum** [Akh23, PLSS24a, 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, IMM24, 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, MBHG+24]. **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, ML24, POW23, Qui20, Sak22a, SdAM24, WSW21, YYI21, Yam24, 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** [MMK+24, 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, Ano24k, Ano24c]. **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, MB24, 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, ML24, MTLZ22, PABS23]. **finite-time** [BD21]. **fire** [BGA21]. **firing** [BRN+22, CHT22, ZSL23]. **First** [BJG21, Ish23]. **fish** [DCP+22, ETTT24, 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]. **Flock2** [Hoe24]. **flocking** [Hoe24]. **floral** [SBJR21]. **Flow** [SVVPPR+24, 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, BAG+24, 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, Lei24, 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, Kuz24a, 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, DWNW24, KSSM20, LAP24, Wor20]. **functions** [BRS24, FOY21, PAV21]. **fundament** [DRO23]. **funds** [HL21]. **fungal** [SVVPPR+24, 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, HC24, 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, Lei24, QHS23, WH21]. **Generalist** [XKV20]. **generality** [BNPL20]. **generalization** [AM22]. **Generalized** [BACS24, GFH20, LR21, MPTCT+20, SSBG20]. **generalized-growth** [GFH20]. **generate** [SHY21]. **Generating** [XWS24]. **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, LAP24, 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, dIMM24, DSdP22, LNT23, RBG+23, YXW21]. **globally** [VCS24]. **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, Lio18, Lio24, MTB24, SLCC22]. **gradients** [DBTI21]. **gradual** [APL21]. **graduated** [CPS20]. **Graph** [HJKS20, LLZ+22, POS21]. **graphs** [BK20b, BPM+22, CGR22]. **grazing** [CBBD22, MTB24]. **greedy** [MC20a]. **Green** [WSY21]. **grounded** [ABOR20]. **groundnut** [DSM+23]. **group** [HXK+20, Kur21, MH22b, MCMdAM24, ND22, ORW+20, PPS+21, TBNS23, Yam24]. **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, Kuz24b, LSWVB24, 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** [HPG+24, HCJT23]. **health** [BW24, Swe20]. **healthcare** [BP23, CPEK23, FG21, FG22, FG23, STCSC+21]. **Heaps'** [LAP24]. **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]. **herbivore** [MTB24]. **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, LSWVB24, Lei20, Lei24, LH20, MF24, 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, YHT24, 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, KH24, LMC21, MW20, OKF+21, Sin21, SYH20, TGC22, TNW21, UV23, VB21, VP22, XYK+20, XCFH23, dCC+23, WDH+20]. **host-parasitoid** [KH24]. **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, LAP24, 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]. **hydrofoil** [ETTT24]. **hydrophobicity** [KB20]. **hyperparasites** [NWP+24]. **hypha** [dJHP20]. **Hypnozoite** [MSK+22]. **hypotheses** [HH20, WDA+23]. **hypothesis** [HGF23, KKS23, Kuz24b, 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, GADDVG+24, 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, WMHV24, 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** [CNK24, 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, ETTT24, GBF20, GBRM21, JAB22, JSCW21, KB20, MP22, MSB24, MFGACST23, MHV+21, MCP20, OKF+21, PPS+21, PLSS24a, PLSS24b, SOKZ22, SF24, WRB22, YFZ+20, YM23]. **induces** [KF20, MGZ+21]. **induction** [DMR21, YFZ+20]. **inductive** [YFZ+20]. **inertia** [MMK+24]. **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, WMHV24, WMO23, XYK+20, YdKdJ+20]. **infections** [CPEK23, HPSA21, HPSA23, JD21, KPH+24, XDT+20]. **infectious** [AN22a, GBHNHVL23, GJCLMQC20, JKH+23, KHB+22, MD22, MN23, MBHG+24, 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** [BCK24, 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, WMHV24, 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, CLW+24, 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]. **iodate** [PLSS24a, PLSS24b]. **iodate-induced** [PLSS24a, PLSS24b]. **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, Lei24, Lio24, PLSS24a, PP24, Sch21a, Sch23, SSKS20, Xie22]. **jackal** [KM22, MK21]. **January** [Ano20q, Ano20e, Ano21q, Ano21e, Ano22p, Ano22e, Ano23m, Ano23d, Ano24l, Ano24d]. **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, Ano24m, Ano24e]. **jump** [GWZ+22]. **junction** [WS22, YMR24]. **junction-coupled** [YMR24]. **June** [Ano20s, Ano20g, Ano21s, Ano21g, Ano22r, Ano22g, Ano23o, Ano23f, Ano24n, Ano24f]. **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]. **labor** [Yam24]. **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, LAP24, Ros21, Wad22]. **layer** [AG22]. **lead** [FSNS20, HSAH20]. **leaders** [FPX20]. **leadership**

[PP22]. **Leading** [PLSS24a, PLSS24b]. **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** [CLW+24, 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** [Kuz24b]. **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, Kuz24c, LGBG23, LAP24, SPLS+23]. **limits** [DTLS24, DB22b, Sch18, Sch21a]. **line** [CLSB23, CSP21, KP21, LG23]. **lineage** [SSKS18, SSKS20]. **linear** [KL21b, MPTCT+20]. **Link** [CLW+24, 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, ETTT24, 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]. **macromolecular** [OLF+24]. **Macrophage** [FLRR23, BE22, FLR+21, LMC21]. **macrophages** [BJB+20, EB21]. **macroscopic** [GHS18, GHS20]. **macular** [PLSS24a, PLSS24b]. **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, Ano24o, Ano24g]. **MARCKS** [FET+24]. **marginal** [WBS20]. **marine** [BvdG20, Dal22, IYY22, TP24, XDZ+21]. **marital** [CK20b, SW22]. **mark** [SKNvRL23]. **mark-dead-recovery** [SKNvRL23]. **Markov** [CP23, FPGC21, LZW23, PRP+20]. **Markovian** [BBDB22, VCS24]. **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, ASL+24, AMR+23, APR+22b, BBK23, BCK24, BJB+20, BGC+20, CGY+23, CNK24, 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, HPG+24, HCJT23, JME24, KR22, KV23, KKS23, KK23, Lei20, Lei24, 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, Ano24p, Ano24h, 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, GADDVG+24, 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, CNK24, DBD23, FK21, HSL24, KJM20, LYE+24, MF24, 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, WMHV24]. **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** [KH24, LFJ21]. **Miller** [KJV20]. **mimicry** [QHS23, TT24]. **mineral** [RBD+20]. **mineral-rich** [RBD+20]. **mineralization** [CPMF+22]. **Minimal** [LSWVB24, 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]. **mitigation** [MBHG+24]. **Mitochondrial** [QYY+23, FMO23, GCC20]. **mixed** [Ala23, CBBD22, CBKS21, EB21, KRSG24, RWHK21, SKS21, Sak22a, PK23]. **mixed-mode** [KRSG24, PK23]. **mixing** [Avv23, DJ22]. **mixotrophs** [ADLM24]. **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, PLSS24a, 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, BAG+24, BV24, BGGM23, BGA21, BGM22, CGY+23, CNK24, 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, ETTT24, 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]. **model** [GFN23, GBRM21, GBHNHVL23, GW20, GF23, GGG21, GPDW20, GHF22, GHS18, GHS20, GYY+23, HIA+22, HBK+20, HAP22, HPG+24, HYM+22, Hen20, HCJT23, HBWLLPA21, Hoe24, 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, LSWVB24, 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, MB24, NCL20, NNOBS23, NWVN20, OLF+24, OGD+20, Ost23, PPS+21, PLXD+20, PLSS24b, PK23, PGC+22, dAPdBMTS20, Pro24, dMQHRGA+22, dVRA20, RZRS+22, RRAO21, Roy21, RY22, RBW20, SPLS+23, Sak22b, SSB20, SLTD22, SKNvRL22]. **model** [SKNvRL23, SD20, Sch17, Sch23, SMEG22, SRDC21, SL21, SLML20, SWK+20, SF23, SF24, 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, YHT24, 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, MF24, MDG24, PGP23, PWC+23, RNP+21, RSPB+22, SJNRS20, Ter23, UV23, Wal22, WMHV24, ZRL+21, ZZ22, ASL+24, Avv21, BCK24, BS21, BYHH20, BT22, BSV+24, BLP20, CC22, DRO23, FLR23, GADDVG+24, GMR+24, GTE20, GFV+23, GEHL+22, HI20, HS20, JHFMP+21, KV23, KLLL22, KTP+20, KM20, KK23, Kuz24c, LRAP22, LHG+22, LSZ21, LCMW21, LB20, MMK+24, MHV+21, MAHMH20, MCP20, NDB20, PCLL21, PRFSHV20, Pat22, PHL+23, PBB20, PAM22, RRZDF20, SVVPPR+24, SBC+20, SL23, TCH21, TTBL21, Tha24, VTDM21, WLJ+20, WSC+22, XWS24, 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, VCS24, 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** [CNK24, KJV20]. **molecule-mediated** [CNK24]. **molecules** [KJV20]. **moment** [HH21]. **moments** [Sch18, Sch21a]. **monitoring** [DSB+21, PLAC22]. **monogamous** [HH20]. **monolayer** [MI23]. **monomers** [Kuz24c]. **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]. **much** [DWNW24]. **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, dIMM24]. **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-period** [dIMM24]. **multi-period/multi-phasic** [dIMM24]. **multi-phasic** [dIMM24]. **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, dIMM24, AHS23, BvdG20, BV24, CDC20, FRMK22, GQK+21, LMG22, MF21, SBM+20, SXJ20, XCH+20, Yam24, vBW20]. **multiplied** [CLW+24]. **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]. **necrotic** [BAG+24]. **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, CLW+24, 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, XWS24, YLZ+21, dDA21]. **Neural** [GtHH20, LL20, MB24, 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, VCS24, 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-Markovian** [VCS24]. **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, IMM24, RB22]. **nucleotide** [BEO+22]. **null** [CCSF21]. **number** [BTS24, DF22, HMS21, KRSSH21, LMW21, XDT+20]. **Numerical** [KG22, Kuz24c, 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, Ano24q]. **ocular** [Ost23]. **ODEs** [ILGI20]. **off** [APR+22a, BSS+20, Cai22, MEA21, VP22]. **offs** [ADLM24, 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, IMM24, 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, Hoe24]. **orientation-based** [Hoe24]. **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]. **osteochondral** [CNK24]. **osteogenic** [DBTI21]. **otter** [LZ23]. **outbreak** [BGM22, CR20, LRST22, MBHG+24, 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, dIMM24]. **pandemics** [STCSC+21]. **paper** [WM20]. **papillomavirus** [GMMR22, GTE20]. **paradigm** [AA22, BH20]. **paradox** [Sco24]. **Parameter** [DCS20, KBD+23, SBW+22a, DO21, FHR22, GMR+24, IMM24, KH20, SBB+22]. **parameters** [GB23, GFV+23, SC21, WHRH+23]. **Parasite** [HK21]. **parasites** [CBPG23, TEWN21]. **parasitic** [MCL20]. **parasitoid** [KH24, Sin21, VP22]. **parasitoids** [MGCH21]. **parent** [Sak22a]. **Park** [KM22]. **Parkinson's** [HXZ+22]. **parsimonious** [FGC24]. **Part** [GADDVG+24, 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]. **pathologies** [GADDVG+24]. **paths** [CLW+24, 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, MTB24, 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]. **pellets** [SVVPPR+24]. **pendulum** [ABOR20].

peptide [KKL20, WDT+20, ZLYL20]. **perception** [MGFS+20]. **performance** [CBKS21, FGES24, WM21b]. **period/multi** [dIMM24]. **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** [BCK24, GADDVG+24, 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]. **Phanerozoic** [TP24]. **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]. **phasic** [dIMM24]. **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, OLF+24, 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, MTB24, MGZ+21, NNG20, Wal22, WWR+24, WLJ+20].

plant-herbivore [MTB24]. **Plant-microbe** [MC22]. **plants** [KHST21, MDG24, MCL20, MI20, QHS23, ZG21]. **plaque** [Kuz24c, MF21, PCLL21]. **plaques** [Kuz24a]. **plasmid** [AZdV+22]. **Plasmodium** [MSK+22, DDDMT22, TEWN21]. **plastic** [APL21]. **plasticity** [ADLM24, 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]. **Pocillopora** [HPG+24]. **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]. **polymerization** [IMM24]. **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, HC24, 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, Lio18, Lio24, LH20, LRST22, ML24, 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, MBHG+24, 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** [CLW+24, DTLS24, KYI21]. **predictions** [CCA20, GFV+23]. **Predictive** [YRMWT20, AHW21, EPF20, JLK22, PGC+22]. **predicts**

[CF20, LSWVB24, 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, ETTT24, 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]. **Price** [Lio18, Lio24]. **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, GADDVG+24, HS20, IB21, LMS21, LZW23, NNOBS23, NKE23, NTTI22, SS23, SRB+24, San21, SHK20, ZWT24]. **process-based** [EBK21]. **processes** [Bol22, CNK24, GC20, PLM24, Wad22]. **processing** [DB22a, MB22, SLCC22]. **produces** [ZM20]. **production** [BLRV21, DDDMT22, Kuz24a, OTI+20, Tsu21, YI21]. **productivity** [MTB24, 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, CLW+24, CWT+23, FSKG20, FET+24, IMM24, 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, YHT24]. **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, Lio18, Lio24]. **quasi-equilibrium** [Lio18, Lio24]. **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** [Kuz24b]. **random** [ABBP21, ABC+21, BFG21, CKTW24, FSK21, LWXM20, MWO21, Sch18, Sch21a, SFYL20, YHT24]. **randomized** [TAP+23]. **randomly** [UIY22]. **Range** [LAP24, MGFS+20, MC22, Wad22, WCD21]. **Range-limited** [LAP24]. **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, Kuz24a, 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** [HPG+24, JCLS+11, JCLS+21]. **reef-building** [HPG+24]. **reencounter** [SKNvRL22]. **reflection** [GFH20, SKS21]. **reflux** [Avv21]. **refuges** [BB21b]. **refusal** [PB21]. **regeneration** [ABB+22, CNK24, CMLM23, HFD23, Lei20, Lei24, 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, PLSS24a, PLSS24b, 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, GADDVG+24, 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, Yam24]. **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, MF24, MEBNZ24, OKF+21, QPL21, SBC+20, SMEG22, SVHM+21, SH21, Ter23, TKR+21, Wal20, WMHV24, 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** [BCK24, 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, VCS24, 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, Kuz24b, LKP+20, NNG20]. **root-to-leaf** [LKP+20]. **rooted** [PZG20]. **roots** [WLJ+20]. **ROP** [JMD20]. **Rosenzweig** [Bar23]. **rotation** [YST21]. **route** [Lio18, Lio24]. **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, TP24, ASF22, ABvH+20, AR21, BC20, CS22, FBD23, GO21, Hon20, Jam21, Kau23, KNK21, LS21, LL21, LFT+23, LGSR21, Lio18, Lio24, 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** [Kuz24a, Kuz24c]. **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, Ano24r]. **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, MTB24, QPL21, Ste21b, Tsu20, dIMM24]. **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]. **ships** [MBHG+24]. **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, MF24, MCL21, MB22, Pfe22, WCD21, XWS24]. **signalling** [CNK24, CSF20, CMRMC+21, CKM+20, GZGH22, HGCC22]. **signals** [LPD23, NSD22, PB21, SD22]. **significantly** [PAV21]. **silico** [BAJ+21, FSC21, WGRE21, XWS24, SBSB23, TKB+20, HIA+22, BH20]. **simian** [OKF+21]. **simian/human** [OKF+21]. **similarity** [CLW+24, 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, HC24, KTU22, Kur21, KB20, MGVS21, MGCH21, NBBR23, RH23, TAP+23, XDZ+21, ZYLW21]. **size-related** [MGCH21]. **size-spectrum** [XDZ+21]. **sizes** [LSWVB24]. **skeletal** [AG22, GHS18, GHS20, PO20, SL21]. **slave** [GFN23]. **sleep** [ASL+24, BBH+20, CBKS21, DB22b, FNGJ21, GEHL+22, MMK+24, PBB20]. **sliding** [BAU+22]. **slow** [PZJPZ23, Sch21b, WA22]. **Slowly** [SHY21]. **slugs** [YYI21]. **small** [Avv23, BJR+22, BE22, DWNW24, 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, Hoe24, IH23, JAB22, KT20b, ML24, 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, PLSS24a, PLSS24b]. **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]. **standard** [MB24]. **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, Lei24, 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** [ADLM24, 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, SVVPPR+24]. **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, Lio18, Lio24, 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, XWS24]. **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, TP24, 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** [KH24, 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, XWS24]. **system** [BSC20a, BT22, FLR23, FGA+24, FSKG21, GF23, JSCW21, KMI23, KYI21, KH24, MTB24, 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 [BCK24, CF20, CWL20, HPK+20, KV23, KKL20, PGC+22, RY22, WMHV24]. **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, Yam24]. **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, Lio24, PLSS24a, Sch21a, Sch23, SSKS20, Xie22]. **Theoret** [Lei24, 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, MB24, 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, CLW+24, 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, Kuz24b, LR21, LDaH22, LWM23, LG23, OLF+24, PRHS20, TH21, YST21, GC20]. **time-delayed** [YST21]. **time-dependent** [LR21, OLF+24]. **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, DWNW24, 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, ADLM24, BGB+21, Cai22, HL21, MEA21, SUA+20]. **Trade-off** [APR+22a, Cai22, MEA21]. **trade-offs** [ADLM24, 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, BAG+24, CLSB23, FBSD22, FSK21, FGA+24, GDd+21, GF23, HS24, HXK+20, JS23, LPSMCP23, MPA23, MF24, MS20, MEBNZ24, PTZ21, SLTD22]. **tumor-immune** [BT22, FGA+24]. **tumor-on-a-chip** [BAG+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,

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Anonymous:2020:EBt

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Anonymous:2020:EBv

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Anonymous:2020:EBw

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Anonymous:2020:EBx

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[Ano24h] Anonymous. 21 May 2024. *Journal of Theoretical Biology*, 585(??):??, May 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

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[Ano24-29] 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.

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[Ano24-31] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 588(??):??, July 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519324001279.

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[Ano24-32] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 589(??):??, July 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519324001425.

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[Ano24-33] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 590(??):??, August 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519324001504.

Anonymous:2024:EBp

[Ano24-34] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 591(??):??, August 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519324001711.

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[Ano24-35] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 592(??):??, September 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519324001899.

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[Ano24-36] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 593(??):??, October 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

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[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.

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[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.

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[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.

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[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.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[ASL+24] Christina Athanasouli, Shelby R. Stowe, Monique K. LeBourgeois, Victoria Booth, and Cecilia G. Diniz Behn. Data-driven mathematical modeling of sleep consolidation in early childhood. *Journal of Theoretical Biology*, 593(??):??, October 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324001760`.

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[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`.

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[ASP23] Tahani Al Sariri, Radostin D. Simitev, and Raimondo Penta. Optimal heat transport induced by magnetic nanoparticle delivery in vascularised tumours. *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/S0022519322003630`.

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[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*

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[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`.

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[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`.

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[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`.

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[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`.

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[Avv21] Ravi Kant Avvari. Theoretical modeling of the resistance to gastric emptying and duodenogastric reflux due to pyloric

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[BAG+24] Elton Diêgo Bonifácio, Cleudmar Amaral Araújo, Marcília Valéria Guimarães, Márcio Peres de Souza, Thiago Parente Lima, Bethânia Alves de Avelar Freitas, and Libardo Andrés González-Torres. Computational model of the cancer necrotic core formation in a tumor-on-a-chip device. *Journal of Theoretical Biology*, 592(??):??, September 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324001772`.

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

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[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`.

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[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`.

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[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`.

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[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`.

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[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.

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[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.

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[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.

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[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.

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[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.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[BCK24] Nasri Balit, Nicolas Cermakian, and Anmar Khadra. The influence of circadian rhythms on $CD8^+$ T cell activation upon vaccination: a mathematical modeling perspective. *Journal of Theoretical Biology*, 590(??):??, August 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324001334`.

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[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`.

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[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

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[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`.

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[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`.

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[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`.

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[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`.

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

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[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`.

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[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`.

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[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`.

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[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

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[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 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519321002927.

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[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.

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[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.

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[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.

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[BGGM23] Laurent Boudin, Céline Grandmont, Bérénice Grec, and Sébastien Martin. A coupled model for the dynamics of gas

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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*

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[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`.

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[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`.

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[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`.

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[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`.

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

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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 (elec-

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[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.

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[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.

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[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.

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[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.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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].

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[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].

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[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`.

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[CBKS21] Courtney Cochrane, Demba Ba, Elizabeth B. Klerman, and Melissa A. St. Hilaire. An ensemble mixed effects

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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),

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[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.

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[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.

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[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.

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[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.

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[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. CO-

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[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`.

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[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`.

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[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`.

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[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`.

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[CGY+23] Jovic Aaron S. Caasi, Alex Leon Guerrero, Kangsan Yoon, Leslie J. Camacho Aquino, Aubrey Moore, Hyunju

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[CLG20] Kristina Crona, Mengming Luo, and Devin Greene. An uncertainty law for microbial evolution. *Journal of Theoret-*

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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 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519319304540`.

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[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`.

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[CLW+24] Wangmin Cai, Peiqiang Liu, Zunfang Wang, Hong Jiang, Chang Liu, Zhaojie Fei, and Zhuang Yang. Link prediction in protein–protein interaction network: a similarity multiplied similarity algorithm with paths of length three. *Journal of Theoretical Biology*, 589(??):??, July 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324001310`.

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[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`.

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[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`.

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[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`.

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[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`.

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[CNK24] Kelly Campbell, Shailesh Naire, and Jan Herman Kuiper. A mathematical model of signalling molecule-mediated pro-

cesses during regeneration of osteochondral defects after chondrocyte implantation. *Journal of Theoretical Biology*, 592(??):??, September 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324001589`.

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[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`.

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[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`.

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[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].

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[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`.

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[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`.

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[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`.

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[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`.

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[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*

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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).

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[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.

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[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.

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[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.

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[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.

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

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[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`.

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[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].

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[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

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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).

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[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.

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[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.

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[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.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

dOnofrio:2024:MPW

[dIMM24] Alberto d'Onofrio, Mimmo Iannelli, Gabriela Marinoschi, and Piero Manfredi. Multiple pandemic waves vs multi-period/multi-phasic epidemics: Global shape of the COVID-19 pandemic. *Journal of Theoretical Biology*, 593(??):??, October 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324001656`.

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[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`.

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[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`.

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[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`.

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[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

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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

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[GADDVG+24] Diego A. Garzón-Alvarado, Carlos A. Duque-Daza, Juan Jairo Vaca-González, Abdelkader Boucetta, Dorian L. Linero, Gregory de Boer, Raj Das, and Salah Ramtani. Part II: a new perspective for modeling the bone remodeling process: Biology, mechanics, and pathologies. *Journal of Theoretical Biology*, 593(??):??, October 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324001784`.

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[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`.

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[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`.

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[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),

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[GHF22] Martin Grunnill, Ian Hall, and Thomas Finnie. Check your assumptions: Further scrutiny of basic model frameworks of antimicrobial resistance. *Journal of Theoretical*

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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].

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[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`.

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[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.

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[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.

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[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*

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[MBHG+24] Rahele Mosleh, Mortaza Baky-Haskuee, Abbas Ghasemi, Martin Grunnill, Julien Arino, Mohammadali Tofighi, Edward W. Thommes, and Jianhong Wu. Evaluating in-

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[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`.

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[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`.

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[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 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000742`.

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[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).

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[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.

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[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.

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[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.

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[MDG24] Esteban Meca, Concepción M. Díez, and Brandon S. Gaut. Modeling transposable elements dynamics during polyploidization in plants. *Journal of Theoretical*

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[ML24] Éloi Martin and Sabin Lessard. Evolution of cooperation in social dilemmas with assortment in finite populations. *Journal of Theoretical Biology*, 592(??):??, September 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324001759`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

McCauley:2024:BMF

[MMK+24] Mark E. McCauley, Peter McCauley, Leonid V. Kalachev, Samantha M. Riedy, Siobhan Banks, Adrian J. Ecker, David F. Dinges, and Hans P. A. Van Dongen. Biomathematical modeling of fatigue due to sleep inertia. *Journal of Theoretical Biology*, 590(??):??, August 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324001322`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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 (elec-

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[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.

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[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.

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[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.

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[MTB24] Sounov Marick, Fugo Takasu, and Nandadulal Bairagi. How do productivity gradient and diffusion shape patterns in a plant-herbivore grazing system? *Journal of Theoretical Biology*, 590(??):??, August 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519324001371.

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[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.

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[PLSS24a] Deepak K. Pattanaik, Vasudevan Lakshminarayanan, Nachieketa K. Sharma, and Amir Prasad Sahu. Erratum to "Leading edge of the a-wave of the electroretinogram and sodium iodate-induced age-related macular degeneration: a Model" [J. Theor. Biol. **592** (2024) 01-17/111879]. *Journal of Theoretical Biology*, 593(??):??, October 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324001978`. See [PLSS24b].

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[PLSS24b] Deepak K. Pattanaik, Vasudevan Lakshminarayanan, Nachieketa K. Sharma, and Amir Prasad Sahu. Leading edge of the a-wave of the electroretinogram and sodium iodate-induced age-related macular degeneration: a model. *Journal of Theoretical Biology*, 592(??):??, September 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324001632`. See erratum [PLSS24a].

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[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`.

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[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*

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[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`.

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[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`.

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[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].

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[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`.

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[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`.

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[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.

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[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.

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[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.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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].

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[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`.

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[RG21] Sebastián Risau-Gusman. Color discrimination properties arising from optimal decoding in the early stages of visual systems. *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`.

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[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),

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[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`.

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[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`.

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[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`.

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[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`.

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[RMSS24] Hamid Ravaee, Mohammad Hossein Manshaei, Mehran Safayani, and Javad Salimi Sartakhti. Intelligent phenotype-

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[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`.

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[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`.

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[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`.

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[Roy21] Katherine Royce. Application of a novel mathematical model to identify intermediate hosts of SARS-CoV-2. *Journal of*

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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. CO-

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[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.

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[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.

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[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.

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[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`.

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[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`.

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[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].

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[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`.

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[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`.

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[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`.

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ics 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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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 Theoretical Biology*, 559(??):??, February 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322003757`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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

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[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.

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[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.

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[SKS21] Hadiseh Safdari, Ata Kalirad, and Mehdi Sadeghi. Population-level heterogeneity as a reflection of mixed strategy: a compu-

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[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`.

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[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`.

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[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`.

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[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`.

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[SR24] Yann Sakref and Olivier Rivoire. On the exclusion of exponential autocatalysts by sub-exponential autocatalysts. *Journal of Theoretical Biology*, 579(??):??, February 21, 2024.

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[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. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324000626`.

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[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`.

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[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`.

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[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].

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[SVVPPR+24] J. Sánchez-Vargas, F. J. Valdés-Parada, L. Peraza-Reyes, D. Lasseux, and M. A. Trujillo-Roldán. Flow modeling and structural characterization in fungal pellets. *Journal of Theoretical Biology*, 590(??):??, August 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324001346`.

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[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`.

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[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`.

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[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:

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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.

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[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.

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[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.

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[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.

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[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*,

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[TP24] Erik Tamre and Chris Parsons. Selection by differential survival among marine animals in the Phanerozoic. *Journal of Theoretical Biology*, 590(??):??, August 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324001309`.

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[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).

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[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.

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[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.

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[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 (elec-

tronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320303921.

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[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.

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[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.

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[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.

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[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.

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[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.

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[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`.

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[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`.

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[VCS24] Aram Vajdi, Lee W. Cohnstaedt, and Caterina M. Scoglio. Assessing dengue risk globally using non-Markovian models. *Journal of Theoretical Biology*, 591(??):??, August 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324001462`.

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[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`.

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[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).

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[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.

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[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.

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[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.

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[VMRSL23] Wencel Valega-Mackenzie, Karen Ríos-Soto, and Suzanne Lenhart. Optimal control applied to Zika virus epidemics 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.

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[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`.

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[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`.

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[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`.

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[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`.

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[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),

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[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`.

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[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`.

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[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`.

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[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`.

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[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 (elec-

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[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`.

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[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`.

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[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`.

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[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 Biol-*

ogy, 506(??):Article 110374, December 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302290`.

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[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`.

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[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`.

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[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`.

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[WH21] Xiaoliang Wang and Andrew Harrison. A general principle for spontaneous genetic symmetry breaking and pattern formation within cell populations. *Journal of Theoretical 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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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].

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[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].

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[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`.

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[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`.

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[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`.

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[WMHV24] Benjamin Whipple, Tanya A. Miura, and Esteban A. Hernandez-Vargas. Modeling the CD8+ T cell immune response to influenza infection in adult and aged mice. *Journal of Theoretical Biology*, 593(??):??, October 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519324001826`.

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[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`.

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[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`.

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[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`.

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[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`.

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[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`.

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