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$1/r$ [DL08]. 137 [Bor35b]. **\$2.50** [Mor54]. **\$3.80** [Kle70c]. **\$4.95** [Kle70b]. ${}_2$
[Bor18g, Pac10]. $n \log n$ [ADO11].

1 [Lor10]. **14.99/\$25.00** [Ber04]. **1801** [vS21]. **1911** [Meh75]. **1916-1955**
[Mar73]. **1926** [Bor54a]. **1928** [HKP⁺32a, HKP⁺32b]. **1933** [Krö98]. **1945**
[Bor45b]. **1947** [Bor63-28]. **1951** [Bor63b]. **1955** [For70]. **1957** [BBF⁺57a].
1970 [KS71, Lin98]. **1995** [Krö98].

20 [Goe88]. **24.80** [Kle70a]. **240pp** [Ber04].

3.85 [Bro72]. **37th** [Bor53c].

4 [RSS⁺07]. **480pp** [Ber04]. **4th** [Bor50b].

50th [Bor59b, Bor63v]. **55** [BB69a].

60th [Ber15, Sho20].

7 [Sho20]. **7th** [Sho20].

80th [Ano63, CS79b, Ros79].

978 [Sho20]. **978-1-108-47743-7** [Sho20].

in [Bor69f].

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B [BDR84]. **Bahnbrecher** [Hei72]. **Baked** [BB63a]. **Balmer** [BFL46]. **Band** [BJ30, Giu13]. **bands** [Bor32d]. **Based** [Khr09]. **basic** [Bor10b]. **Basis** [Bor19b, Bor22a, BG48]. **Basque** [BB90]. **Basta** [CZPS37]. **Baumeister** [Gre06, GE08]. **Bd** [Lin98]. **„von** [Som05]. **Be** [Ano10, Enz02b, Nik08]. **bearbeitet** [Bor10b]. **Became** [Bor65f]. **Bedeutung** [Bor28e]. **before** [Nik08]. **Began** [Kae48]. **begriffliche** [Bor54b]. **Begründer** [Bor28c, Bor63-41]. **Begründung** [Bor14b, BHJ62]. **Behandlung** [Bor39c]. **Beitrag** [BF30, BF63c]. **Beiträge** [KED⁺60]. **belief** [Bor57d]. **Bellman** [KED⁺60]. **Bemerkung** [Bor32b, Bor63q]. **Bemerkungen** [BL19, Bor53g, Bor15a, BB22a, BF25a, Bor61a, Bor63e, BB63g].

Berechnung [BL18b, Bor18d, BL18c, BL63b, BL63c]. **Berichtigung** [Bor09a, Bor10a, Bor63f]. **Berliner** [Bor42a, Bor42d, Bor63p]. **Bernard** [Hei72]. **Bertrand** [Bro72, Mar73]. **Besprechung** [Som15, Som34, Som50]. **Besprechungen** [BvLM23, HKP⁺32a, HKP⁺32b]. **Best** [AG20]. **Bestimmung** [Bor18e, BB21a, Bor63-50]. **Besuch** [Bor58c]. **Betrachtungen** [Bor20g, Bor20h, Bor20i, Bor57a, Bor63z, Bor63g, Hab19]. **between** [BL11, Bor18e, Bor20c, BK23, Bor40g, Bor43c, Bor63-50, Bor63-46, BB71a, BB71b, BB05, Bro72, CS79b, Ros79]. **Beugung** [Bor59c]. **Beweglichkeit** [Bor20j, Bor20k, Bor63-49]. **bewegten** [Bor10b, Bor12a]. **bewegter** [Bor10a, Bor10d, Bor14b]. **Bewegung** [vS21]. **Beweis** [BF28, BF63b]. **Beyond** [Bow08, De 16, Khr09, Rod19, Bor66d]. **Beziehung** [Bor18e, Bor63-50]. **Beziehungen** [Hei25]. **Big** [Hei72]. **Binary** [Bor35c, Bor36a]. **binding** [Bor31b]. **Bindung** [Bor24b, Bor31b, Bor30b]. **Biographie** [GE08, Sto98, SJ98]. **biography** [Enz02b, GE08, Sto98]. **biological** [HP02]. **Biradicals** [BS50]. **Birthday** [Ano52, Ano63, CS79b, Ros79, Ber15, Hei62, Paw08]. **bis** [Fis10a, Fis12a, Hei72]. **bleibt** [Bor63-58]. **blessing** [Bor66g]. **Blessings** [Bor66b]. **Bodie** [Bor10a]. **Bodies** [Bor10d, Bor10b, Bor10e, BL11, Bor14b, Bor26a, BB63g]. **body** [Bor10c, vS21]. **Bohm** [Nik08]. **Bohr** [BL18b, BL18a, BL19, BH23b, BL63a, CS79b, Nik08, Ros79]. **Bohrian** [BL63b]. **Bohrschen** [BH23b]. **Bohrscher** [BL18b, BL63b]. **Bohrsches** [BL18a, BL19, BL63a]. **bond** [Bor24b]. **bonding** [Bor30b]. **Book** [A.53, Alb71, And81, Ano46, Ber50, Bey06, Bla58, Bor37a, Bor40c, Bor44a, Bor44b, Bor46b, Bor46c, Bor47d, Bor51d, Bor53b, Bor54a, Bor68a, Bre73, Bro72, Cas05, CZPS37, Cop61, Din50, Din23, Far79, For68, For70, Fow27, Han80, Hec00, Hei72, Hei79a, Hei79b, Hol88, Kle70b, Kle70a, Kle70c, Kör59, Lax55, Lin98, Lin58, Mar50, Mar73, McC49, Mil60, Mil49, Mor54, MPK⁺54, Nor71, Oes68, Pag63, Pry60, Rom65, Sch79, Seg64, Sho20, Str64, Str60, Süs57, Wol66, da 33, HKP⁺32a, HKP⁺32b]. **Books** [Ano56, BDR84, BB63a, CZPS37, Bor40b]. **border** [Bor31c, Sch05]. **Born** [Alb71, Ano46, Ano63, Ano02, Ano10, Anoxx, ABdB⁺53, Ber06, Bey06, Bla58, BR95, Bre73, Bro72, Cas05, CS83, Cop61, Fis10b, Fis12b, For70, Fow27, Gre06, GE08, Hec00, Hei72, Hei62, K⁺83, KS71, Kle70b, Kle70a, Kle70c, KED⁺60, Lax55, Lem82, Lin98, Mar73, Mil60, Sch05, Sch07, Sho20, Som05, Som33, Str64, Str60, Wei82, Wol66, Nik08, A.53, Alb71, Ali05, ADO11, And81, Ano52, Ano56, Ano63, Ano70, Ano82, Anoxx, AG20, Bak83, Bel90, Ber50, Ber05, BB99, BS85, Bla08, Bor10b, Bor20d, BI34c, BBB50, Bor63-57, Bor64c, Bor65f, Bor65g, Bor65h, Bor68b, BB69a, Bor69b, BB71a, BB71b, Bor79, Bor02, BB05, BC80, Bow69, Bow08, Bre70, Bro72, Bro73b, Car89, Cas12, Che70, CS79b, CZPS37, Co02, De 16, DL08, Dem03]. **Born** [DM69, Din50, Din23, Dre17, Ein91, Enz02a, Far79, FP09, For68, For70, Fre01, FL10, Fre34, Gal01, GDR04, Giu13, Gow79, Gre05a, Gre05b, Gre06, GE08, GS47, Hai12, Han80, Hei79a, Hei79b, Hei62, Hol07, Hov18, HMLM88,

Ily16, Jon05, Khr09, Kle70c, Kon78, Kör59, Koz91, Lan83, Lap69, Lem82, Lem83, Lin58, Man18, Man19, Mar50, Mat78, McC49, Mil49, MS69, Nik08, Nor71, Oes68, Pac10, Pag63, Pai82, PST07, Paw08, Pei71, Pry60, Rom65, Ros79, RS51, SK66, Sch05, Sch07, Sch79, SF05, SG52, Seg64, Sig96, SGM⁺12, Som05, Som15, Som34, Som50, SG82, Sur99, Süs57, Wei12, Wei82, Wil67, Wol83, Wol95, da 33, vLP52, Kle70a, Mor54, MPK⁺54]. **Borns** [Lem83]. **Breakdown** [BS85]. **Breaking** [Bor40g]. **Brechungsindex** [Bor18e, Bor63-50]. **Breslau** [Anoxx]. **bridge** [Bor20c]. **brief** [Enz02b]. **Briefe** [Som05]. **Briefwechsel** [BB69a, EB82, Bor69b, For70, Kle70a]. **Brillouin** [Bor46b]. **British** [Bor31d, Bon05, Bor31d, Pal00]. **Broglie** [Dre17]. **Brücke** [Bor20c]. **Bücher** [BDR84, KED⁺60]. **Buchwesens** [Lin98]. **buckling** [Bor09g]. **builder** [Gre06, GE08]. **Bulletin** [GR63]. **Bundesrepublik** [Sch05, Sch07]. **Busch** [Bor62f]. **Byers** [MPK⁺54].

C [Ber04, Bor53b, HKP⁺32a, HKP⁺32b]. **calculate** [BF40e]. **calculating** [BL63c]. **Calculation** [BL63b, Bor63-47, BS85, Bor13b, BL18b, Bor18d, BL18c, Bor23c, Bor23d, Bor43d, BB43c]. **calculus** [BC80, GXB21]. **Cambridge** [Krö98, Sho20]. **can** [Bor59a]. **Cantilever** [BP63b, BP42]. **Case** [Joh13, Bel90]. **Cassidy** [Ber04]. **Catalog** [Lem83]. **Catalysis** [BW63a, BF30, BW31a, BW31b, BF63c]. **Cause** [Ber50, Bor39b, Bor39a, Bor49f, Din50, Mar50, McC49, Mil49, Som50]. **Caused** [BP63b, BP42]. **Centenary** [CS83, Ano82, Bor31d, Lan83]. **Centre** [BF40a, BF40b]. **Century** [Bro72, Bor50e, Bra09, Ber04]. **Certain** [Bey06, Cas05, BB43c, Gre05a]. **Chair** [ABdB⁺53]. **champ** [Bor38e]. **Chance** [Bor49f, Som50, Ber50, Din50, Mar50, McC49, Mil49]. **Change** [Krö98, AS96]. **character** [Bor21b, Bor63-54]. **charge** [Bor13d, Bor18e, Bor63-50]. **Charged** [Bor36d, Bor36e]. **Charles** [Bor15a]. **Chemical** [Bor30a, Bro68, Bro06, FW08, Hab22, Tho22, Bor24b, Bor24e, BH24a, Bor24a, Bor24c, Bor29c, Bor29a, Bor30b, Bor31f, BH63b, Bor63-60, Cha05, Hab86, HP02, Hol88, Pal00, Bor31b]. **Chemie** [Ber15, Bor20c, KED⁺60, Bor31c]. **Chemiker** [Sto98]. **chemische** [Bor24b, BH24a, Bor24a, BH63b, Bor31b]. **chemischen** [Bor24e, Bor29c, Bor30b, Bor31f, Bor40c, Bor63-60]. **Chemist** [Sto98]. **Chemistry** [Joh13, Ber15, Bor20c, Bor31c]. **Chemists** [Joh13]. **Chimie** [Bor40c]. **chimique** [Bor24c]. **Churchman** [KED⁺60]. **Ciencia** [BB71c, BB84, Alb71]. **Circuits** [MPK⁺54]. **Classical** [Khr09, RSS⁺07, Bor55f, Bor58h, Bor59a, Bor59e, Lan83, Bor36d, Bor36e]. **classique** [Bor59a]. **clock** [Bor58c, BB58, BB63b]. **closely** [vS21]. **cloud** [Hab86, Hol88]. **cohesive** [Bor19d, Bor19e]. **Coined** [Gal01]. **Cold** [Sal19]. **Collected** [BDR84]. **Collision** [Bor77, BJB25, Bor26e, Bor26d, Bor26f, Bor28e, Bor63-59, Bor63-36, Bor63-64]. **Colloquium** [Bor45b]. **color** [Bor63g]. **Comment** [Bor58f]. **commentaries** [BB05, Bro72]. **Commentary** [Got83, Kle70a]. **Comments** [Ano67, Bla67, Bor68b, Ure67, Wil67, BB22a, Bor63e, BB63g]. **Commission**

[BBD⁺46]. **communication** [Bor15a]. **Comparison** [BR95]. **Composite** [Bla08]. **compressibility** [BL18c, BL63c]. **Concept** [Bor58a, Bor58b]. **conceptia** [Bor69f]. **Conception** [CZPS37]. **Conceptions** [LBBH69]. **Concepts** [Man19, Bel90]. **conceptual** [Bor53c, Bor54b]. **conciencia** [Alb71, BB71c, BB84]. **condensée** [Bor52d]. **Condensing** [BF38, Bor63-44, Bor37c]. **conditions** [Bor06]. **Conference** [CS83, BB55, BV09]. **conferences** [Meh75]. **Conflict** [CS79b, Ros79]. **Congress** [Bor28b]. **Conscience** [BB69b, Lem82, BB71c, BB84, BB90]. **Considers** [Bor63z, Bor20g, Bor20h, Bor20i, BF40e, Bor63g]. **Constant** [BS35, Cas12, Bor18e, Bor63-50]. **Constants** [Bor46d, Bor46e, Bor63t, BH24a, Bor24a, Bor27a, BH63b]. **constitution** [Bor23b]. **constrained** [BP22, BP63a]. **contingency** [Sig96]. **Continuity** [Bor55b, Bor63h]. **Continuum** [SK66]. **contribution** [Bon05, BF30, BF63c]. **Control** [Sur99]. **Controversy** [Sur99]. **Cooperation** [Sal19]. **Correction** [Bor09a, Bor10a, Bor63f]. **Correlation** [MS69]. **Correspondance** [Mar73]. **Correspondence** [BB69a, Bro72, BB71a, BB71b, BB05, Pei71, EB82]. **Corridors** [Bor52a]. **Corrigenda** [Bor44c, Bor63i]. **Cosmic** [Bor34a]. **Cosmological** [Cas12]. **Cottrell** [MPK⁺54]. **Coulomb** [Hol07]. **Coupled** [Bor35c, Bor36a]. **couples** [Bor37d]. **Coupling** [Bor51g, Bor63y]. **Courant** [Som05, Som05]. **Covariant** [Bor42e]. **creators** [Str11]. **Criterion** [Hov18]. **Critical** [Bor20g, Bor20h, Bor20i, Bor63z]. **cross** [Koz91]. **crossers** [Sch05]. **crossroads** [BV09]. **Crystal** [BH54, BL63b, Bor63i, Bor63-31, Bor63-32, Bor63-47, Bor63-46, BB63j, Lax55, Bor15b, BL18b, Bor18d, BL19, BS19, Bor21d, BB22b, Bor23a, BGM33b, BT34, Bor40e, BF40e, BM40, Bor42e, Bor43d, BB43c, Bor43c, Bor44c, BS63b, Bor63-63, Bor64d, BH88, Mis40, Som15, BL18a, BL63a]. **Crystals** [BB43a, BB42a, Bor39e, Bor63-48, BB63f, Bor63o, GS47, BB47a, Bor15c, Bor15e, BL18c, Bor18a, Bor18e, Bor18f, BS19, Bor22e, BM32, Bor32a, BGM33a, BB42b, BL42, BB43b, Bor46f, BB47b, Bor49h, Bor51e, Bor51g, Bor59c, BL63c, BM63, Bor63y, Bor63-50, Bor63-52, BS63b, Bor63-53, HKP⁺32a, HKP⁺32b, MPK⁺54]. **cubic** [Bor18h, BF40e]. **Curies** [Kae48]. **Current** [Bor68b]. **curse** [Bor66g]. **Curved** [Cas12]. **Czukur** [Bor15a, Bor15a].

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[Cas05]. **use** [Bor47c]. **Using** [BL63b, BL18b, Dre17, dB53].

V [Bor47b, Bor47f, Bor63-35, Bor46g, Bor59c]. **Valence** [Bor30a, Bor29a, Bor32e]. **valency** [Bor31a]. **Valenz** [Bor32e]. **Validity** [Hov18, Bor51e]. **variation** [BL42]. **Variational** [BO07]. **Variationsprinzipie** [BO07]. **Vegard** [BL19, BL19]. **Verallgemeinerung** [Bor09g]. **Verantwortung** [Bor65k]. **Vergangenheit** [HH70]. **Verhältnis** [BL11]. **Verlag** [Kle70c]. **Verleger** [Lin98]. **Vernunft** [Bor66c]. **verschiedenen** [Bor06]. **version** [GDR04]. **Verständnis** [Bor28e]. **Versuch** [Bor65i]. **Verteilung** [BvK13a, BvK63a]. **Vertical** [BP63b, BP42]. **Verzeichnis** [Bor63-57]. **vi** [Kle70b]. **Vibration** [BP63b]. **Vibrations** [BB22a, BP42, BB63g, BK12, BvK13a, BB21b, BS41, Bor42b, BB63h, BvK63b, BvK63a]. **victory** [Pal00]. **View** [Bre70]. **Views** [Bor68a, Bor68d, For68, Kle70b, Oes68]. **viii** [Kle70c]. **visit** [Bor58c]. **Vocation** [Kle70c]. **Volume** [Bor20l, BJ30, RSS⁺07]. **Volumen** [Bor20l]. **vom** [Bor10b, Lor10, Bor19f, Bor66g]. **vor** [ABH⁺55, ABH⁺87]. **Voraussagbarkeit** [Bor59e]. **vorbeigeht** [vS21]. **Vorgänge** [Bor10b, BJ25b, BW26a, BW63b, BJ63b]. **Vorhersagbarkeit** [Bor58h]. **Vorlesungen** [BJ30, BH25, Giu13]. **Vorstellungen** [Lor10]. **Vortrag** [Lor10]. **Vorträge** [BDR84, Bor33a, Som34, da 33]. **vue** [Bor52d].

W [Ano46, Bor53b, Fow27, HKP⁺32a, HKP⁺32b, MPK⁺54]. **W.** [Bor49i]. **Wallace** [Man18, Man19]. **Walter** [And81]. **Wandel** [Bor57e, Bor58e, Bor59d, Bor66e, Bor83, Lin58]. **Wandlungen** [KED⁺60]. **War** [Pal00, Bor47c, Hab86, Sal19, Hol88]. **Warfare** [FW08, Hab22, Tho22, Bro68, Bro06, Cha05, Hab86, HP82, HP02, Hol88, Pal00]. **Wärme** [BB21c, BB22a, BB63g, BB63i, BvK13b, Bor14c, BvK63c]. **Wärmestrahlung** [Bor13a]. **Wärmetheorie** [BO07]. **Wärmetönung** [Hab19]. **warn** [ABH⁺55, ABH⁺87]. **warnen** [ABH⁺55, ABH⁺87]. **Was** [Bor31f, Bor63-58]. **Wasserstoffmolekel** [Bor22d]. **Wave** [Bor37d, Bor46j, Bor46k, Bor26f, BI34d, BF40d, BF40c, Bor46c, Bor63-64, Dre17, dB53, Bor46b]. **waves** [dB53]. **weapons** [ABH⁺55, ABH⁺87]. **Weglänge** [Bor20e, Bor63r]. **Weird** [Str11]. **Weise** [Bor65i]. **welchem** [vS21]. **well** [SG82]. **Wellenmechanik** [Bor26f, Bor63-64]. **Weltkörpers** [vS21]. **Weltraumfahrt** [Bor66g]. **We're** [BR57, Nik08]. **Werke** [BDR84]. **Werner** [Bro72, Mar73, Sch05, Sch07, BDR84, Sch05, Sch07]. **Wesen** [Bor55e]. **western** [Pal00]. **Weyl** [Som05, Sig96, Som05]. **Where** [Car89]. **Whitehouse** [MPK⁺54]. **Whittaker** [Bor54a]. **Who** [Bey06, Cas05, Cha05, Cou13, Gre05a]. **Wide** [Ano02, Bor02]. **Wide-Ranging** [Ano02, Bor02]. **Wiederkehr** [Bor59b, Bor63v]. **Wilhelm** [Bor52b, BG61, Bor63b, Bor62f]. **Wirklichkeit** [Bor65j, Bor65i, Bor64e, Bor64f]. **wissenschaftliche** [Lem83, BDR84]. **wissenschaftlichen** [Bor63-57]. **wissenschaftlicher** [Lin98]. **within** [Dem03]. **Wolf** [KED⁺60, Sho20, Cop61, Hec00, Mil60, Str64, Str60, Wol66].

Wolfgang [Enz02b]. **women** [HHW99]. **work** [Bor09a, Bor10a, Bor64d, Sch05]. **Works** [BDR84, Bor63c, Bor63d, Ber15]. **World** [Bey06, Bor50d, Cas05, GR63, Hab86, Hol88, FF91, Gre05a, Gre06, GE08, Hag08, Haw11, Pal00]. **Would** [Nik08]. **writings** [Bor63-57]. **Wrocław** [Anoxx]. **Wyckoff** [HKP⁺32a, HKP⁺32b].

X [BB43a, BB47a, Bor21a, Bor41a, BS41, Bor42b, Bor42c, BLS42, Bor42g, BL42, Bor43c, BB43b, Bor59c, Bor63-46]. **X-Ray** [Bor63-46, Bor42c, BLS42, Bor42g, Bor43c]. **X-Rays** [BB43a, Bor41a, BB47a, Bor21a, BS41, Bor42b, BL42, BB43b, Bor59c]. **xi** [Bro72].

Year [FR13]. **Years** [Bor51h, Bor51f, Bor01a, Con62, Kae48, Wei82, Bor50d]. **York** [Kle70b, Kle70c, Mor54].

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- [BG47c] Max Born and Herbert S. Green. A kinetic theory of liquids. *Nature*, 159(4034):251–254, February 22, 1947. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v159/n4034/pdf/159251a0.pdf>.

Born:1947:QTL

- [BG47d] Max Born and Herbert Sydney Green. Quantum theory of liquids. *Nature*, 159(4048):738–739, May 31, 1947. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v159/n4048/pdf/159738a0.pdf>.

Born:1948:KBT

- [BG48] Max Born and Herbert S. Green. The kinetic basis of thermodynamics. *Proceedings of the Royal Society of London. Series A, Mathematical and physical sciences*, 192(1029):166–180, February 4, 1948. CODEN PRLAAZ. ISSN 0080-4630. URL <http://rspa.royalsocietypublishing.org/content/192/1029/166>.

Born:1949:GKT

- [BG49] Max Born and Herbert S. Green. *A General Kinetic Theory of Liquids*. Oxford University Press, Walton Street, Oxford OX2 6DP, UK, 1949. ???? pp. LCCN ????

Born:1961:ES

- [BG61] Max Born and G. Glaser. Erwin Schrödinger/Wilhelm Keil 70 Jahre. *Physikalische Blätter*, 17(2):85–87, February 1961. CODEN PHBLAG. ISSN 0031-9279 (print), 1521-3722 (electronic). URL <http://onlinelibrary.wiley.com/doi/10.1002/phbl.19610170205/abstract>.

Born:1963:GKT

- [BG63] Max Born and H. S. Green. A general kinetic theory of liquids. I. The molecular distribution functions. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63c], chapter 46, pages 710–?? LCCN ???? Reprinted from Proc. Roy. Soc. A **188**, 10–18 (1946).

Born:1949:QTR

- [BGCR49] Max Born, Herbert S. Green, K. C. Cheng, and A. E. Rodriguez. Quantum theory of rest masses. *Proceedings of the Royal Society of*

Edinburgh. Section A, Mathematical and physical sciences, 62(4): 470–488, 1949. CODEN PEAMDU. ISSN 0308-2105 (print), 1473-7124 (electronic). With appendices by K. C. Cheng and A. E. Rodriguez.

Born:1990:QMI

- [BGĬ90] M. Born, V. Geizenberg, and P. Ĭordan. Quantum mechanics. II (a fragment). In *Einstein collection, 1986–1990 (Russian)*, pages 146–157. “Nauka”, Moscow, Russia, 1990. Translated from the German by A. N. Temchin.

Born:1950:GKT

- [BGK50] Max Born, Herbert S. Green, and John G. Kirkwood. A general kinetic theory of liquids. *Physics Today*, 3(10):35–37, October 1950. CODEN PHTOAD. ISSN 0031-9228 (print), 1945-0699 (electronic). URL <http://link.aip.org/link/?PTO/3/35/2>; http://physicstoday.org/resource/1/phtoad/v3/i10/p35_s2.

Born:1933:DGKb

- [BGM33a] Max Born and M. Göppert-Mayer. Dynamische Gittertheorie der Kristalle. (German) [Dynamical lattice theory of crystals]. In *Handbuch der Physik*, volume 24/2, pages 623–794. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., second edition, 1933.

Born:1933:DGKa

- [BGM33b] Max Born and Maria Göppert-Mayer. *Dynamische Gittertheorie Kristalle. (German) [Dynamical crystal lattice theory]*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1933. ??? pp. LCCN ???

Born:1923:EIA

- [BH23a] Max Born and Werner Heisenberg. Die Elektronenbahnen im angeregten Heliumatom. (German) [The electron trajectories in the excited helium atom]. *Zeitschrift für Physik*, 16(1):229–243, December 1923. CODEN ZEPYAA. ISSN 0939-7922 (print), 1431-5831 (electronic). URL <http://link.springer.com/article/10.1007/BF01327396>; <http://www.springerlink.com/content/t75836n61671070k/>.

Born:1923:PBM

- [BH23b] Max Born and Werner Heisenberg. Über Phasenbeziehungen bei den Bohrschen Modellen von Atomen und Molekeln. (German) [On phase relations in the Bohr model of atoms and molecules]. *Zeitschrift für Physik*, 14(1):44–55, December 1923. CODEN ZEPYAA. ISSN 0939-7922 (print), 1431-5831 (electronic). URL <http://www.springerlink.com/content/v71005762t157n89/>.

Born:1923:QMM

- [BH23c] Max Born and Erich Hückel. Zur Quantentheorie mehratomiger Molekeln. (German) [Toward a quantum theory of polyatomic molecules]. *Physikalische Zeitschrift*, 24(1):1–12, January 1, 1923. CODEN PHZTAO. ISSN 0369-982X. URL <https://jscholarship.library.jhu.edu/handle/1774.2/214>.

Born:1924:EDI

- [BH24a] Max Born and Werner Heisenberg. Über den Einfluß der Deformierbarkeit der Ionen auf optische und chemische Konstanten. I. (German) [On the influence of the deformability of ions on optical and chemical constants. I]. *Zeitschrift für Physik*, 23(1):388–410, December 1924. CODEN ZEPYAA. ISSN 0939-7922 (print), 1431-5831 (electronic). URL <http://www.springerlink.com/content/h0588704m33v5160/>.

Born:1924:QMG

- [BH24b] Max Born and Werner Heisenberg. Zur Quantentheorie der Molekeln. (German) [Toward a quantum theory of molecules]. *Annalen der Physik (1900)*, 379(9):1–31, ??? 1924. CODEN ??? ISSN 1521-3889.

Born:1925:VAG

- [BH25] Max Born and Friedrich Hund. *Vorlesungen über Atommechanik. (German) [Lectures on atom mechanics]*, volume 2 of *Struktur der Materie in Einzeldarstellungen*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1925. x + 358 pp. LCCN ??? English translation in [BH27, Bor60c].

Born:1927:MA

- [BH27] Max Born and Friedrich Hund. *Mechanics of the Atom*. Bell, London, UK, 1927. xvi + 317 pp. LCCN ??? Reprinted in [Bor60c].

Born:1928:MQF

- [BH28] Max Born and Werner Heisenberg. La mécanique des quanta. (French) [The mechanics of quanta]. In ????, editor, *Electrons et Photons: Rapports et Discussions du Cinquième Conseil de Physique Tenu à Bruxelles du 24 au 29 Octobre 1927 sous les Auspices de l'Institut International de Physique Solvay*, pages 143–184. Gauthier-Villars et cie, Paris, France, 1928. LCCN ????

Born:1954:DTC

- [BH54] Max Born and Kun Huang. *Dynamical Theory of Crystal Lattices*. International Series of Monographs on Physics. Oxford University Press, Walton Street, Oxford OX2 6DP, UK, 1954. xii + 420 pp. LCCN ????

Born:1955:SDM

- [BH55] Max Born and D. J. Hooton. Statistische Dynamik mehrfacher periodischer Systeme. (German) [Statistical dynamics of multiperiodic systems]. *Zeitschrift für Physik*, 142(2):201–218, April 1955. CODEN ZEPYAA. ISSN 0939-7922 (print), 1431-5831 (electronic). URL <http://link.springer.com/article/10.1007/BF01329422>.

Born:1956:SDM

- [BH56] Max Born and D. J. Hooton. Statistical dynamics of multiply-periodic systems. *Proceedings of the Cambridge Philosophical Society. Mathematical and physical sciences*, 52(2):287–300, April 1956. CODEN PCPSA4. ISSN 0008-1981.

Born:1963:EIA

- [BH63a] Max Born and Werner Heisenberg. Die Elektronenbahnen im angeregten Heliumatom. (German) [Electron orbits in the excited helium atom]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 48, pages 23–37. LCCN ????. Reprinted from *Z. Physik* **16**, 229–243 (1923).

Born:1963:EDI

- [BH63b] Max Born and Werner Heisenberg. Über den Einfluß der Deformierbarkeit der Ionen auf optische und chemische Konstanten I. (German) [On the influence of the deformability of ions on optical and chemical constants I]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 49, pages 38–60. LCCN ????. Reprinted from *Z. Physik* **23**, 388–410 (1924).

Born:1975:QM

- [BH75] Max Born and Werner Heisenberg. 5. quantum mechanics. In Mehra [Meh75], chapter 6, pages 146–149. ISBN 90-277-0635-2. LCCN QC1.S792 M43.

Born:1984:MQ

- [BH84] Max Born and Werner Heisenberg. La mécanique des quanta. (French) [The mechanics of quanta]. In Blum et al. [BDR84], pages 58–99. ISBN 3-642-61743-3 (print), 3-642-61742-5 (e-book). LCCN ????? URL http://link.springer.com/chapter/10.1007/978-3-642-61742-3_7/.

Born:1988:DTC

- [BH88] Max Born and Kun Huang. *Dynamical theory of crystal lattices*. Oxford Classic Texts in the Physical Sciences. Oxford University Press, Walton Street, Oxford OX2 6DP, UK, 1988. xii + 420 pp. UK £20.00.

Born:1926:QIG

- [BHJ26] Max Born, Werner Heisenberg, and Pascual Jordan. Zur Quantenmechanik II. (German) [Toward quantum mechanics. II]. *Zeitschrift für Physik*, 35(8–9):557–615, August 1926. CODEN ZEPYAA. ISSN 0939-7922 (print), 1431-5831 (electronic). URL <http://link.springer.com/article/10.1007/BF01379806>; <http://www.springerlink.com/content/r46w151t550p1624/>. English translation in [BHJ67].

Born:1962:BMG

- [BHJ62] Max Born, Werner Heisenberg, and Pascual Jordan, editors. *Zur Begründung der Matrizenmechanik*. (German) [Toward the Foundations of Matrix Mechanics], volume 2 of *Dokumente der Naturwissenschaft. Abteilung Physik*. E. Battenberg, Stuttgart, Germany, 1962. 135 pp. LCCN QC174.3 .Z8.

Born:1963:QIG

- [BHJ63] Max Born, Werner Heisenberg, and Pascal Jordan. Zur Quantenmechanik II. (German) [Toward quantum mechanics II]. In *Ausgewählte Abhandlungen*. (German) [Selected works] [Bor63d], chapter 54, pages 155–213. LCCN ????? Reprinted from *Z. Physik* **85**, 557–615 (1926).

Born:1967:QMc

- [BHJ67] Max Born, Werner Heisenberg, and Pascual Jordan. On quantum mechanics II. In van der Waerden [vdW67], pages 321–385. LCCN QC174.12 S655. English translation of [BHJ26].

Born:1921:RSE

- [BHvL21] Max Born, David Hilbert, and Max von Laue. Ruhm, Soldner, und Einstein. (German) [Fame, Soldner, and Einstein]. *Frankfurter Zeitung*, November 6, 1921. Critical comments on [vS21].

Born:1933:LEM

- [BI33a] Max Born and L. Infeld. Letter: Electromagnetic mass. *Nature*, 132(3347):970, December 23, 1933. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v132/n3347/pdf/132970a0.pdf>.

Born:1933:LFN

- [BI33b] Max Born and Leopold Infeld. Letter: Foundations of the new field theory. *Nature*, 132(3348):1004, December 30, 1933. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v132/n3348/pdf/1321004b0.pdf>.

Born:1934:FNF

- [BI34a] Max Born and L. Infeld. Foundations of the new field theory. *Proceedings of the Royal Society of London. Series A, Mathematical and physical sciences*, 144(852):425–451, March 29, 1934. CODEN PRLAAZ. ISSN 0080-4630. URL <http://rspa.royalsocietypublishing.org/content/144/852/425.full.pdf+html>.

Born:1934:QNF

- [BI34b] Max Born and L. Infeld. On the quantisation of the new field equations. I. *Proceedings of the Royal Society of London. Series A, Mathematical and physical sciences*, 147(862):522–546, December 1, 1934. CODEN PRLAAZ. ISSN 0080-4630. URL <http://rspa.royalsocietypublishing.org/content/147/862/522>.

Born:1934:RPF

- [BI34c] Max Born and L. Infeld. Remarks on the paper by Frenkel on Born's theory of the electron. *Proceedings of the Royal Society of London*.

Series A, Mathematical and physical sciences, 146(859):935, October 15, 1934. CODEN PRLAAZ. ISSN 0080-4630. URL <http://rspa.royalsocietypublishing.org/content/146/859/935>. See [Fre34].

Born:1934:DEO

- [BI34d] Max Born and Leopold Infeld. Dédution de l'équation d'ondes de Dirac à partir de l'électrodynamique quantique. (French) [Derivation of the Dirac wave equation from quantum electrodynamics]. *Comptes rendus de l'Académie des sciences, Paris*, 199(?):1596–1598, ??? 1934. CODEN ??? ISSN ???

Born:1934:PNE

- [BI34e] Max Born and Leopold Infeld. Principes de la nouvelle électrodynamique quantique. (French) [Principles of the new quantum electrodynamics]. *Comptes rendus de l'Académie des sciences, Paris*, 199(?):1297–1299, ??? 1934. CODEN ??? ISSN ???

Born:1935:QNF

- [BI35] Max Born and L. Infeld. On the quantization of the new field theory. II. *Proceedings of the Royal Society of London. Series A, Mathematical and physical sciences*, 150(869):141–166, May 1, 1935. CODEN PRLAAZ. ISSN 0080-4630. URL <http://rspa.royalsocietypublishing.org/content/150/869/141>.

Born:1963:FNF

- [BI63a] Max Born and Leopold Infeld. Foundations of the new field theory. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 74, pages 514–540. LCCN ??? Reprinted from *Proc. Roy. Soc. A* **144**, 425–451 (1934).

Born:1963:QNF

- [BI63b] Max Born and Leopold Infeld. On the quantisation of the new field equations I. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 75, pages 541–559. LCCN ??? Reprinted from *Proc. Roy. Soc. A* **147**, 522–546 (1934).

Born:1967:EEG

- [BI67] Max Born and Leopold Infeld. *Erinnerungen an Einstein. (German) [Memories of Einstein]*. Union-Verlag, Berlin, West Germany, 1967. ?? pp. LCCN ???

Born:1969:EEG

- [BI69] Max Born and Leopold Infeld. *Erinnerungen an Einstein. (German) [Memories of Einstein]*. Union-Verlag, Berlin, West Germany, 1969. 74 pp. LCCN ????

Born:1925:QGT

- [BJ25a] Max Born and Pascual Jordan. Zur Quantenmechanik. (German) [Toward quantum mechanics]. *Zeitschrift für Physik*, 34(1): 858–888, December 1925. CODEN ZEPYAA. ISSN 0939-7922 (print), 1431-5831 (electronic). URL <http://link.springer.com/article/10.1007/BF01328531>. English translation of pages 858–882 in [BJ67].

Born:1925:QAV

- [BJ25b] Max Born and Pascual Jordan. Zur Quantentheorie aperiodischer Vorgänge. (German) [Toward the quantum theory of aperiodic processes]. *Zeitschrift für Physik*, 33(1):479–505, December 1925. CODEN ZEPYAA. ISSN 0939-7922 (print), 1431-5831 (electronic). URL <http://link.springer.com/article/10.1007/BF01328329>.

Born:1930:EQI

- [BJ30] Max Born and Pascual Jordan. *Elementare Quantenmechanik. (II. Band der Vorlesungen über Atommechanik). (German) [Elementary quantum mechanics. II. Volume of lectures on atom mechanics]*, volume 9 of *Struktur der Materie in Einzeldarstellungen*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1930. xi + 434 pp. LCCN ????

Born:1963:QGQb

- [BJ63a] Max Born and Pascal Jordan. Zur Quantenmechanik. (German) [Toward quantum mechanics]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 53, pages 124–154. LCCN ????. Reprinted from *Z. Physik* **34**, 858–888 (1925).

Born:1963:QAV

- [BJ63b] Max Born and Pascal Jordan. Zur Quantentheorie aperiodischer Vorgänge. (German) [Toward the quantum theory of aperiodic processes]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 52, pages 97–123. LCCN ????. Reprinted from *Z. Physik* **83**, 479–505 (1925).

Born:1967:QMb

- [BJ67] Max Born and Pascual Jordan. On quantum mechanics. In van der Waerden [vdW67], pages 277–306. LCCN QC174.12 S655. English translation of pages 858–882 of [BJ25a].

Born:1977:QM

- [BJ77] M. Born and P. Jordan. Quantum mechanics. *Uspekhi Fizicheskikh Nauk*, 122(4):586–611, 1977. CODEN UFNAAG. ISSN 0042-1294 (print), 1996-6652 (electronic).

Born:1925:TSA

- [BJN25] Max Born, P. Jordan, and L. Nordheim. Zur Theorie der Stossanregung von Atomen und Molekülen. (German) [Toward the theory of collision excitation of atoms and molecules]. *Naturwissenschaften*, 13(??):969–970, 1925. CODEN NATWAY. ISSN 0028-1042 (print), 1432-1904 (electronic).

Born:1912:SRG

- [BK12] Max Born and Th. V. Kármán. Über Schwingungen in Raumgittern. (German) [On vibrations in space lattices]. *Physikalische Zeitschrift*, 13(8):297–309, April 15, 1912. CODEN PHZTAO. ISSN 0369-982X. URL <http://babel.hathitrust.org/cgi/pt?id=mdp.39015023176806%3Bseq=361%3Bview=1up>.

Born:1923:ZDS

- [BK23] Max Born and H. Kornfeld. Über den Zusammenhang des Dipolmoments und der Sublimationswärme der Halogenwasserstoffe. (German) [On the link between the dipole moment and heat of sublimation of the hydrogen halides]. *Physikalische Zeitschrift*, 24(6):121–124, March 15, 1923. CODEN PHZTAO. ISSN 0369-982X. URL <https://jscholarship.library.jhu.edu/handle/1774.2/214>.

Born:1958:AAN

- [BKCK58] Max Born, H. Kortum, T. Cumme, and Karl Kromphardt. Aussprache über Atomgefahren: Über die Notwendigkeit des Umdenkens. (German) [Debate on nuclear dangers: on the necessity of rethinking]. *Physikalische Blätter*, 14(1):26–35, January 1958. CODEN PHBLAG. ISSN 0031-9279 (print), 1521-3722 (electronic). URL <http://onlinelibrary.wiley.com/doi/10.1002/phbl.19580140106/abstract>.

Born:1911:VEA

- [BL11] Max Born and Rudolf Ladenburg. Über das Verhältnis von Emissions- und Absorptionsvermögen bei stark absorbierenden Körpern. (German) [On the relationship between emission and absorbance in strongly absorbing bodies]. *Physikalische Zeitschrift*, 12(6):198–202, March 15, 1911. CODEN PHZTAO. ISSN 0369-982X. URL <http://babel.hathitrust.org/cgi/pt?id=mdp.39015011417709%3Bseq=234%3Bview=1up>.

Born:1918:KBA

- [BL18a] Max Born and A. Landé. Kristallgitter und Bohrsches Atommodell. (German) [Crystal lattice and Bohr's atomic model]. *Verhandlungen der Deutschen Physikalischen Gesellschaft*, 20(21–24):202–209, December 30, 1918. CODEN VDPEAZ. ISSN 0372-5448.

Born:1918:ABK

- [BL18b] Max Born and A. Landé. Über die absolute Berechnung der Kristalleigenschaften mit Hilfe Bohrscher Atommodelle. (German) [On the calculation of absolute crystal properties using Bohr atomic models]. *S. B. preuss. Akad. Wiss. Berlin*, ??(??):1048–1068, ??? 1918. CODEN ????? ISSN ?????

Born:1918:BKR

- [BL18c] Max Born and A. Landé. Über die Berechnung der Kompressibilität regulärer Kristalle aus der Gittertheorie. (German) [On the calculation of the compressibility of regular crystals from lattice theory]. *Verhandlungen der Deutschen Physikalischen Gesellschaft*, 20(21–24):210–216, December 30, 1918. CODEN VDPEAZ. ISSN 0372-5448.

Born:1919:ABH

- [BL19] Max Born and A. Landé. Antwort auf die Bemerkungen des Herrn L. Vegard zu unseren Arbeiten über Kristallgitter und Bohrsches Atommodell. (German) [Response to the remarks of Mr. L. Vegard to our studies on the crystal lattice and Bohr atomic model]. *Verhandlungen der Deutschen Physikalischen Gesellschaft*, 21(11–12):385–387, June 30, 1919. CODEN VDPEAZ. ISSN 0372-5448.

Born:1942:TVD

- [BL42] Max Born and Kathleen Lonsdale. Temperature variation of diffuse scattering of X-rays by crystals. *Nature*, 150(3808):490, October 24,

1942. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v150/n3808/pdf/150490a0.pdf>.

Born:1943:DFL

- [BL43] Max Born and Walter Ledermann. Density of frequencies in lattice dynamics. *Nature*, 151(3824):197–198, February 13, 1943. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v151/n3824/pdf/151197a0.pdf>.

Born:1958:QKT

- [BL58] Max Born and W. Ludwig. Zur Quantenmechanik des kräftefreien Teilchens. (German) [Toward a quantum mechanics of an inertial particle]. *Zeitschrift für Physik*, 150(1):106–117, February 1958. CODEN ZEPYAA. ISSN 0939-7922 (print), 1431-5831 (electronic). URL <http://link.springer.com/article/10.1007/BF01338519>.

Born:1963:KBA

- [BL63a] Max Born and A. Landé. Kristallgitter und Bohrsches Atommodell. (German) [Crystal lattice and Bohr's atomic model]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63c], chapter 16, pages 348–355. LCCN ????. Reprinted from Verh. Dtsch. Physik. Ges. **20**, 202–209 (1918).

Born:1963:ABK

- [BL63b] Max Born and A. Landé. Über die absolute Berechnung der Kristalleigenschaften mit Hilfe Bohrscher Atommodelle. (German) [On the absolute calculation of crystal properties using Bohrian atom models]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63c], chapter 15, pages 327–347. LCCN ????. Reprinted from S. B. Preuß. Akad. Wiss. Berlin **1918**, 1048–1068.

Born:1963:BKR

- [BL63c] Max Born and A. Landé. Über die Berechnung der Kompressibilität regulärer Kristalle aus der Gittertheorie. (German) [On calculating the compressibility of regular crystals from lattice theory]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63c], chapter 17, pages 356–362. LCCN ????. Reprinted from Verh. Dtsch. Physik. Ges. **20**, 210–216 (1918).

Born:1963:QKT

- [BL63d] Max Born and W. Ludwig. Zur Quantenmechanik des kräftefreien Teilchens. (German) [Toward a quantum mechanics of an inertial particle]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 69, pages 442–453. LCCN ????. Reprinted from *Z. Physik* **150**, 106–117 (1958).

Blanche:1958:BRB

- [Bla58] R. Blanché. Book review: *L'expérience et la théorie en physique*, by Max Born and J.-P. Mathieu. *Revue Philosophique de la France et de l'Étranger*, 148(?):123, ??? 1958. CODEN ????. ISSN 0035-3833 (print), 2104-385X (electronic). URL <http://www.jstor.org/stable/41089692>; <http://www.jstor.org/stable/pdfplus/41089692.pdf>.

Blagonravov:1967:CSR

- [Bla67] Anatoly Blagonravov. Comments: Space research justified by needs of science. *Bulletin of the Atomic Scientists*, 23(8):40–42, October 1967. CODEN BASIAP. ISSN 0096-3402 (print), 1938-3282 (electronic). See comment [Bor68b].

Blanchard:2008:CSE

- [Bla08] Ph. Blanchard. Composite systems: Entanglement, invariance, events and Born's rule. *European Physical Journal — Special Topics*, 159(?):37–45, ??? 2008. CODEN EPJSAC. ISSN 1951-6355 (print), 1951-6401 (electronic).

Born:1942:QTDa

- [BLS42] Max Born, Kathleen Lonsdale, and Helen M. J. Smith. Quantum theory and diffuse X-ray reflexions. *Nature*, 149(?):402–??, ??? 1942. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic).

Born:1932:GIG

- [BM32] Max Born and Joseph E. Mayer. Zur Gittertheorie der Ionenkristalle. (German) [Toward a lattice theory of ionic crystals]. *Zeitschrift für Physik*, 75(1–2):1–18, January 1932. CODEN ZEPYAA. ISSN 0939-7922 (print), 1431-5831 (electronic). URL <http://link.springer.com/article/10.1007/BF01340511>.

Born:1940:SCLd

- [BM40] Max Born and Rama Dhar Misra. On the stability of crystal lattices. IV. *Proceedings of the Cambridge Philosophical Society. Mathematical and physical sciences*, 36(4):466–478, October 1940. CODEN PCPSA4. ISSN 0008-1981.

Born:1963:GIG

- [BM63] Max Born and J. E. Mayer. Zur Gittertheorie der Ionenkristalle. (German) [Toward a lattice theory of ionic crystals]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63c], chapter 29, pages 509–526. LCCN ????. Reprinted from *Z. Physik* **76**, 1–18 (1932).

Born:1936:NTLa

- [BN36a] Max Born and N. S. Nagendra Nath. The neutrino theory of light. *Proceedings — Indian Academy of Sciences, Section A*, 3(?):318–337, ????. 1936. CODEN PISAA7. ISSN 0370-0089.

Born:1936:NTLb

- [BN36b] Max Born and N. S. Nagendra Nath. The neutrino theory of light. II. *Proceedings — Indian Academy of Sciences, Section A*, 4(?):611–620, ????. 1936. CODEN PISAA7. ISSN 0370-0089.

Badino:2013:RPH

- [BN13] Massimiliano Badino and Jaume Navarro. *Research and Pedagogy: a History of Quantum Physics Through Its Textbooks*, volume 2 of *Max Planck research library for the history and development of knowledge. Studies*. Edition Open Access, Berlin, Germany, 2013. ISBN 3-8442-5871-X. 302 pp. LCCN QC173.98. URL <http://www.edition-open-access.de/studies/2/>.

Born:1907:VWG

- [BO07] Max Born and Erich Oettinger. Variationsprinzip der Wärmetheorie. (German) [Variational principles of thermodynamics]. *Physikalische Zeitschrift*, 8(17):572–580, September 1, 1907. CODEN PHZ-TAO. ISSN 0369-982X. URL <http://babel.hathitrust.org/cgi/pt?id=mdp.39015068320954%3Bseq=604%3Bview=1up>.

Born:1927:QMG

- [BO27] Max Born and R. Oppenheimer. Zur Quantentheorie der Molekeln. (German) [Toward a quantum theory of molecules]. *Annalen*

der Physik (1900), 84(20):457–484, 1927. CODEN AN-PYA2. ISSN 0003-3804 (print), 1521-3889 (electronic). URL <http://onlinelibrary.wiley.com/doi/10.1002/andp.19273892002/abstract>. This paper introduces the now widely-used Born–Oppenheimer approximation that allows separation of electronic and nuclear motion. See also English translation [BO98].

Born:1963:QMGB

- [BO63] Max Born and J. Robert Oppenheimer. Zur Quantentheorie der Molekeln. (German) [Toward a quantum theory of molecules]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 61, pages 310–337. LCCN 1997-01-0000. Reprinted from *Ann. Physik.* **84**, 457–484 (1927).

Born:1998:QTM

- [BO98] M. Born and R. Oppenheimer. On the quantum theory of molecules. *Rev. Acad. Colombiana Cienc. Exact. Fis. Natur.*, 22(84):375–391, 1998. CODEN 1998-01-0000. ISSN 0370-3908. Translated from the 1927 German original [BO27] by Arnulfo Poveda, José Luis Villaveces and Gloria Esperanza Moyano.

Bonitz:2005:KFE

- [Bon05] Manfred Bonitz. Klaus Fuchs — the enduring contribution to physics from his British period. *Scientometrics*, 62(3):343–350, March 2005. CODEN SCNTDX. ISSN 0138-9130 (print), 1588-2861 (electronic). URL <http://link.springer.com/article/10.1007/s11192-005-0026-4>.

Born:1906:USE

- [Bor06] Max Born. *Untersuchungen über die Stabilität der elastischen Linie in Ebene und Raum unter verschiedenen Grenzbedingungen. [Studies on the stability of the elastic line in the plane and in space under different limiting conditions]*. Ph.D. dissertation, Universität Göttingen, Göttingen, Germany, 1906. URL <http://genealogy.math.ndsu.nodak.edu/id.php?id=18344>. Preisschrift und Inaugural-Dissertation. [Prize-winning inaugural dissertation.].

Born:1909:BAT

- [Bor09a] Max Born. Berichtigung zu der Arbeit: Die Theorie des starren Elektrons in der Kinematik des Relativitätsprinzips. (German) [Correction to the work: The theory of the electron in the rigid kine-

mathematics of the Principle of Relativity]. *Annalen der Physik (1900)*, 335(15):840, 1909. ISSN 1521-3889. See [Bor09b].

Born:1909:TSE

- [Bor09b] Max Born. Die Theorie des starren Elektrons in der Kinematik des Relativitätsprinzips. (German) [The theory of the rigid electron in the kinematics of the Principle of Relativity]. *Annalen der Physik (1900)*, 30(??):1–56, 1909. CODEN 1909 ISSN 1521-3889. See correction [Bor09a].

Born:1909:TMR

- [Bor09c] Max Born. Die träge Masse und das Relativitätsprinzip. (German) [The inertial mass and the Principle of Relativity]. *Annalen der Physik (1900)*, 28(3):571–584, 1909. CODEN 1909 ISSN 1521-3889.

Born:1909:TAH

- [Bor09d] Max Born. Über das Thomsonsche Atommodell (Habilitationsvortrag, Göttingen). (German) [On Thomson's atomic model (habilitation lecture, Göttingen)]. *Physikalische Zeitschrift*, 10(25):1031–1034, December 15, 1909. CODEN PHZTAO. ISSN 0369-982X. URL <http://babel.hathitrust.org/cgi/pt?id=mdp.39015023919049%3Bseq=1107%3Bview=1up>.

Born:1909:DEKa

- [Bor09e] Max Born. Über die Dynamik des Elektrons in der Kinematik des Relativitätsprinzips. (German) [On the dynamics of the electron in the kinematics of the Principle of Relativity]. *Verhandlungen der Deutschen Physikalischen Gesellschaft*, 11(21):617–623, November 15, 1909. CODEN VDPEAZ. ISSN 0372-5448. Also in [Bor09f].

Born:1909:DEKb

- [Bor09f] Max Born. Über die Dynamik des Elektrons in der Kinematik des Relativitätsprinzips. (German) [On the dynamics of the electron in the kinematics of the Principle of Relativity]. *Physikalische Zeitschrift*, 10(22):814–817, November 10, 1909. CODEN PHZTAO. ISSN 0369-982X. URL <http://babel.hathitrust.org/cgi/pt?id=mdp.39015023919049%3Bseq=868%3Bview=1up>. Also in [Bor09e].

Born:1909:VEK

- [Bor09g] Max Born. Über eine Verallgemeinerung der Eulerschen Knickformel. (German) [A generalization of Euler's buckling formula].

Physikalische Zeitschrift, 10(11):383–387, June 1, 1909. CODEN PHZTAO. ISSN 0369-982X. URL <http://babel.hathitrust.org/cgi/pt?id=mdp.39015023919049%3Bseq=419%3Bview=1up>.

Born:1910:BMA

- [Bor10a] Max Born. Berichtigung zu meiner Arbeit 'Zur Elektrodynamik bewegter Körper'. (German) [Correction to my work 'on the electrodynamics moving bodies']. *Verhandlungen der Deutschen Physikalischen Gesellschaft*, 12(18–19):730, October 15, 1910. CODEN VDPEAZ. ISSN 0372-5448. See [Bor10d].

Born:1910:AGE

- [Bor10b] Max Born. Eine Ableitung der Grundgleichungen für die elektromagnetischen Vorgänge in bewegten Körpern vom Standpunkte der Elektronentheorie (Aus dem Nachlass von Hermann Minkowski bearbeitet von Max Born). (German) [A derivation of the basic equations for electromagnetic processes in moving bodies from the standpoint of the theory of electrons (from the estate of Hermann Minkowski, edited by Max Born)]. *Mathematische Annalen*, 68(??):526–551, ??? 1910. CODEN MAANA3. ISSN 0025-5831 (print), 1432-1807 (electronic).

Born:1910:DSK

- [Bor10c] Max Born. Über die Definition des starren Körpers in der Kinematik des Relativitätsprinzips. (German) [On the definition of a rigid body in the kinematics of the Principle of Relativity]. *Physikalische Zeitschrift*, 11(6):233–234, March 15, 1910. CODEN PHZTAO. ISSN 0369-982X. URL <http://babel.hathitrust.org/cgi/pt?id=nyp.33433090815337%3Bseq=285%3Bview=1up>.

Born:1910:EBK

- [Bor10d] Max Born. Zur Elektrodynamik bewegter Körper. (German) [Toward the electrodynamics of moving bodies]. *Verhandlungen der Deutschen Physikalischen Gesellschaft*, 12(10):457–467, May 30, 1910. CODEN VDPEAZ. ISSN 0372-5448. See correction [Bor10a].

Born:1910:KSK

- [Bor10e] Max Born. Zur Kinematik des starren Körpers im System des Relativitätsprinzips. (German) [Kinematics of rigid bodies in the system of the Principle of Relativity]. *Nachr. Ges. Wiss. Göttingen*, ??(?):161–179, ??? 1910. CODEN ??? ISSN ???

Born:1911:ERG

- [Bor11] Max. Born. Elastizitätstheorie und Relativitätstheorie. (German) [Elasticity theory and Relativity Theory]. *Physikalische Zeitschrift*, 12(14):569–575, July 15, 1911. CODEN PHZTAO. ISSN 0369-982X. URL <http://babel.hathitrust.org/cgi/pt?id=mdp.39015011417709%3Bseq=623%3Bview=1up>.

Born:1912:LBM

- [Bor12a] Max Born. Lichtfortpflanzung in bewegten Medien. (German) [Light propagation in moving media]. In *Handwörterb. Naturwiss*, volume 6, pages 287–294. Gustav Fischer, Jena, Germany, 1912.

Born:1912:PP

- [Bor12b] Max Born. Prinzipien der Physik. (German) [Principles of physics]. In *Handwörterb. d. Naturwiss*, volume 6, pages 1118–1126. Gustav Fischer, Jena, Germany, 1912.

Born:1913:TWQ

- [Bor13a] Max Born. Die Theorie der Wärmestrahlung und die Quantenhypothese. (German) [The theory of heat radiation and the quantum hypothesis]. *Naturwissenschaften*, 1(??):499–504, ??? 1913. CODEN NATWAY. ISSN 0028-1042 (print), 1432-1904 (electronic).

Born:1913:IGI

- [Bor13b] Max Born. Infinitesimalrechnung. (German) [Infinitesimal calculation]. In *Handwörterb. Naturwiss*, volume 5, pages 413–425. Gustav Fischer, Jena, Germany, ??? 1913.

Born:1913:RGS

- [Bor13c] Max Born. Raum. (German) [Space]. In *Handwörterb. Naturwiss*, volume 7, pages 120–?? Gustav Fischer, Jena, Germany, ??? 1913. CODEN ??? ISSN ???

Born:1913:REH

- [Bor13d] Max Born. Zum Relativitätsprinzip: Entgegnung auf Herrn Gehrcke's Artikel 'Die gegen die Relativitätstheorie erhobenen Einwände'. (German) [On the Principle of Relativity: reply to Mr. Gehrcke's article 'the Theory of Relativity for the moving charges']. *Naturwissenschaften*, 1(??):92–94, 191–192, ??? 1913. CODEN NATWAY. ISSN 0028-1042 (print), 1432-1904 (electronic).

Born:1913:KTM

- [Bor13e] Max Born. Zur kinetischen Theorie der Materie. (German) [Toward the kinetic theory of matter]. *Naturwissenschaften*, 1(?):297–299, ??? 1913. CODEN NATWAY. ISSN 0028-1042 (print), 1432-1904 (electronic).

Born:1914:IES

- [Bor14a] Max Born. Der Impuls-Energie-Satz in der Elektrodynamik von Gustav Mie. (German) [The pulse-energy theorem in Gustav Mie's electrodynamics]. *Nachr. Ges. Wiss. Göttingen*, ??(?):23–37, ??? 1914. CODEN ???? ISSN ????

Born:1914:EBE

- [Bor14b] Max Born. Die elektronentheoretische Begründung der Elektrodynamik bewegter Körper. (German) [The theoretical foundation of the electrodynamics of moving bodies]. *Jb. Radioakt.*, 11(?):301–307, ??? 1914. CODEN ???? ISSN ????

Born:1914:MET

- [Bor14c] Max Born. Über die Methode der Eigenschwingungen in der Theorie der spezifischen Wärme. (German) [On the method of natural oscillations in the theory of specific heat]. *Physikalische Zeitschrift*, 15(4):185–191, February 15, 1914. CODEN PHZTAO. ISSN 0369-982X. URL <http://babel.hathitrust.org/cgi/pt?id=uc1.c2831834%3Bseq=217%3Bview=1up>.

Born:1914:RDG

- [Bor14d] Max Born. Zur Raumgittertheorie des Diamanten. (German) [Toward the space lattice theory of diamond]. *Annalen der Physik (1900)*, 44(?):605–642, ??? 1914. CODEN ???? ISSN ????

Born:1915:BMH

- [Bor15a] Max Born. Bemerkungen zu der Mitteilung des Herrn Karl Czukur: Zur Theorie der Dielektrika. (German) [Reponse to the communication of Mr. Charles Czukur: “Toward the theory of dielectrics”]. *Verhandlungen der Deutschen Physikalischen Gesellschaft*, 17(10):204, May 30, 1915. CODEN VDPEAZ. ISSN 0372-5448.

Born:1915:DKG

- [Bor15b] Max Born. *Dynamik der Kristallgitter. (German) [Dynamics of crystal lattices]*. Teubner, Stuttgart, Germany; Leipzig, Germany, 1915. vii + 122 pp. LCCN ????

Born:1915:DDP

- [Bor15c] Max Born. Über die Dispersion der Drehung der Polarisationssebene in Kristallen. (German) [On the dispersion of the rotation of the plane of polarization in crystals]. *Physikalische Zeitschrift*, 16(23):437–438, December 1, 1915. CODEN PHZTAO. ISSN 0369-982X. URL <http://babel.hathitrust.org/cgi/pt?id=njp.32101054770928%3Bseq=487%3Bview=1up>.

Born:1915:NOA

- [Bor15d] Max Born. Über die natürliche optische Aktivität von Flüssigkeiten und Gasen. (German) [On the natural optical activity of liquids and gases]. *Physikalische Zeitschrift*, 16(13–14):251–258, July 15, 1915. CODEN PHZTAO. ISSN 0369-982X. URL <http://babel.hathitrust.org/cgi/pt?id=njp.32101054770928%3Bseq=299%3Bview=1up>.

Born:1915:OAK

- [Bor15e] Max Born. Über die optische Aktivität der Kristalle. (German) [On the optical activity of crystals]. In Bergwitz [Ber15], pages 391–403. LCCN QD455 .F47 1915. URL <http://catalog.hathitrust.org/api/volumes/oclc/47733990.html>.

Born:1916:ETG

- [Bor16a] Max Born. Einstein's Theorie der Gravitation und der allgemeinen Relativität. (German) [Einstein's Theory of Gravitation and General Relativity]. *Physikalische Zeitschrift*, 17(4):51–59, February 15, 1916. CODEN PHZTAO. ISSN 0369-982X. URL <http://babel.hathitrust.org/cgi/pt?id=mdp.39015010783705%3Bseq=75%3Bview=1up>.

Born:1916:AFG

- [Bor16b] Max Born. Über anisotrope Flüssigkeiten. (German) [On anisotropic fluids]. *S. B. preuss. Akad. Wiss. Berlin*, ??(??):614–650, ??? 1916. CODEN ???? ISSN ????

Born:1917:ZLS

- [Bor17] Max Born. Über die Zerstreung des Lichtes in Substanzen mit anisotropen Molekeln. (German) [On the scattering of light in substances with anisotropic molecules]. *Verhandlungen der Deutschen Physikalischen Gesellschaft*, 19(21–22):243–264, November 30, 1917. CODEN VDPEAZ. ISSN 0372-5448.

Born:1918:EMK

- [Bor18a] Max Born. Die elektromagnetische Masse der Kristalle. (German) [The electromagnetic mass of crystals]. *S. B. preuss. Akad. Wiss. Berlin*, ??(??):712–718, ???? 1918. CODEN ???? ISSN ????

Born:1918:ENO

- [Bor18b] Max Born. Elektronentheorie des natürlichen optischen Drehungsvermögens isotroper und anisotroper Flüssigkeiten. (German) [Electron theory of natural optical rotatory power of isotropic and anisotropic liquids]. *Annalen der Physik (1900)*, 55(??):177–240, ???? 1918. CODEN ???? ISSN ????

Born:1918:HH

- [Bor18c] Max Born. H. Herkner. *Naturwissenschaften*, 6(??):179–??, ???? 1918. CODEN NATWAY. ISSN 0028-1042 (print), 1432-1904 (electronic).

Born:1918:BAK

- [Bor18d] Max Born. Über die Berechnung der absoluten Kristalldimensionen. (German) [On the calculation of absolute crystal dimensions]. *Verhandlungen der Deutschen Physikalischen Gesellschaft*, 20(21–24):224–229, December 30, 1918. CODEN VDPEAZ. ISSN 0372-5448.

Born:1918:MBZ

- [Bor18e] Max Born. Über die Maxwellsche Beziehung zwischen Brechungsindex und Dielektrizitätskonstante und über eine Methode zur Bestimmung der Ionenladung in Kristallen. (German) [On the relationship between Maxwell's refractive index and dielectric constant and a method for the determination of ionic charge of crystals]. *S. B. preuss. Akad. Wiss. Berlin*, ??(??):604–613, ???? 1918. CODEN ???? ISSN ????

Born:1918:UEZ

- [Bor18f] Max Born. Über die ultraroten Eigenschwingungen zweiatomiger Kristalle. (German) [On the infra-red natural frequencies of diatomic crystals]. *Physikalische Zeitschrift*, 19(24):539–548, December 15, 1918. CODEN PHZTAO. ISSN 0369-982X. URL <http://babel.hathitrust.org/cgi/pt?id=mdp.39015056706941%3Bseq=625%3Bview=1up>.

Born:1918:ZLH

- [Bor18g] Max Born. Über die Zerstreung des Lichtes in H_2 , O_2 und N_2 . (German) [On the scattering of light in H_2 , O_2 and N_2]. *Verhandlungen der Deutschen Physikalischen Gesellschaft*, 20(1–4):16–32, February 28, 1918. CODEN VDPEAZ. ISSN 0372-5448.

Born:1918:KAG

- [Bor18h] Max Born. Über kubische Atommodelle. (German) [On cubic atomic models]. *Verhandlungen der Deutschen Physikalischen Gesellschaft*, 20(21–24):230–239, December 30, 1918. CODEN VDPEAZ. ISSN 0372-5448.

Born:1919:EHG

- [Bor19a] Max Born. Die elektronenaffinität der Halogenatome. (German) [The electron affinity of halogen atoms]. *Verhandlungen der Deutschen Physikalischen Gesellschaft*, 21(21–22):679–685, December 5, 1919. CODEN VDPEAZ. ISSN 0372-5448.

Born:1919:REI

- [Bor19b] Max Born. *Die Relativitätstheorie Einsteins und ihre physikalischen Grundlagen*. (German) [Einstein's Relativity Theory and its Physical Basis]. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1919. ???? pp. LCCN ????

Born:1919:TAG

- [Bor19c] Max Born. Eine thermochemische Anwendung der Gittertheorie. (German) [A thermochemical application of lattice theory]. *Verhandlungen der Deutschen Physikalischen Gesellschaft*, 21(1–2):13–24, January 30, 1919. CODEN VDPEAZ. ISSN 0372-5448. This paper, with Haber's independent work [Hab19], is the origin of the famous “Born–Haber cycle” in thermodynamics.

Born:1919:ENKa

- [Bor19d] Max Born. Über die elektrische Natur der Kohäsionskräfte fester Körper. (German) [On the electrical nature of the cohesive forces of solids]. *Annalen der Physik (1900)*, 61(??):87–106, ???? 1919. CODEN ???? ISSN ????

Born:1919:ENKb

- [Bor19e] Max Born. Über die elektrische Natur der Kohäsionskräfte fester Körper. (German) [On the electrical nature of the cohesive forces of solids]. *Verhandlungen der Deutschen Physikalischen Gesellschaft*,

21(15–16):533–538, August 30, 1919. CODEN VDPEAZ. ISSN 0372-5448.

Born:1919:MAE

- [Bor19f] Max Born. Vom mechanischen Äther zur elektrischen Materie. (German) [From mechanical ether to electrical matter]. *Naturwissenschaften*, 7(??):136–141, ??? 1919. CODEN NATWAY. ISSN 0028-1042 (print), 1432-1904 (electronic).

Born:1920:AGA

- [Bor20a] Max Born. Das Atom. (German) [The atom]. *Naturwissenschaften*, 8(??):213–226, ??? 1920. CODEN NATWAY. ISSN 0028-1042 (print), 1432-1904 (electronic).

Born:1920:AMD

- [Bor20b] Max Born. *Der Aufbau der Materie. Drei Aufsätze über moderne Atomistik Elektronentheorie.* (German) [The structure of matter. Three essays on modern atomic electron theory]. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1920. ??? pp. LCCN ???

Born:1920:BZC

- [Bor20c] Max Born. Die Brücke zwischen Chemie und Physik. (German) [The bridge between chemistry and physics]. *Naturwissenschaften*, 8(??):373–382, ??? 1920. CODEN NATWAY. ISSN 0028-1042 (print), 1432-1904 (electronic).

Born:1920:REI

- [Bor20d] Max Born. *Die Relativitätstheorie Einsteins und ihre physikalischen Grundlagen gemeinverständlich dargestellt von Max Born.* (German) [Einstein's Theory of Relativity and its physical foundations]. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1920. x + 242 pp. LCCN QC6 .B65.

Born:1920:DMF

- [Bor20e] Max Born. Eine direkte Messung der freien Weglänge neutraler Atome. (German) [A direct measurement of the free path of neutral atoms]. *Physikalische Zeitschrift*, 21(21–22):578–581, November 1–15, 1920. CODEN PHZTAO. ISSN 0369-982X. URL <http://babel.hathitrust.org/cgi/pt?id=mdp.39015086723080%3Bseq=644%3Bview=1up>.

Born:1920:EMG

- [Bor20f] Max Born. *Enzyklopädie der Mathematik. (German) [Encyclopedia of Mathematics]*. Teubner, Stuttgart, Germany; Leipzig, Germany, 1920. ???? pp. LCCN ????

Born:1920:KBTa

- [Bor20g] Max Born. Kritische Betrachtungen zur traditionellen Darstellung der Thermodynamik. (German) [Critical considerations for traditional representation of thermodynamics]. *Physikalische Zeitschrift*, 22(7):218–224, April 1, 1920. CODEN PHZTAO. ISSN 0369-982X. URL <http://babel.hathitrust.org/cgi/pt?id=mdp.39015020056829%3Bseq=254%3Bview=1up>.

Born:1920:KB Tb

- [Bor20h] Max Born. Kritische Betrachtungen zur traditionellen Darstellung der Thermodynamik. (German) [Critical considerations for traditional representation of thermodynamics]. *Physikalische Zeitschrift*, 22(8):249–254, April 15, 1920. CODEN PHZTAO. ISSN 0369-982X. URL <http://babel.hathitrust.org/cgi/pt?id=mdp.39015020056829%3Bseq=287%3Bview=1up>.

Born:1920:KB Tc

- [Bor20i] Max Born. Kritische Betrachtungen zur traditionellen Darstellung der Thermodynamik. (German) [Critical considerations for traditional representation of thermodynamics]. *Physikalische Zeitschrift*, 22(9):282–286, May 1, 1920. CODEN PHZTAO. ISSN 0369-982X. URL <http://babel.hathitrust.org/cgi/pt?id=mdp.39015020056829%3Bseq=322%3Bview=1up>.

Born:1920:BEIa

- [Bor20j] Max Born. Über die Beweglichkeit der elektrolytischen Ionen. (German) [On the mobility of the electrolytic ion]. *Zeitschrift für Elektrochemie*, 26(??):401–403, ???? 1920. CODEN ZEELAI. ISSN 0372-8382.

Born:1920:BEIb

- [Bor20k] Max Born. Über die Beweglichkeit der elektrolytischen Ionen. (German) [On the mobility of the electrolytic ion]. *Zeitschrift für Physik*, 1(3):221–249, June 1920. CODEN ZEPYAA. ISSN 0939-7922 (print), 1431-5831 (electronic). URL <http://link.springer.com/article/10.1007/BF01329168>.

Born:1920:VHI

- [Bor20] Max Born. Volumen und Hydratationswärme der Ionen. (German) [Volume and heat of hydration of ions]. *Zeitschrift für Physik*, 1(1):45–48, February 1920. CODEN ZEPYAA. ISSN 0939-7922 (print), 1431-5831 (electronic). URL <http://link.springer.com/article/10.1007/BF01881023>.

Born:1921:PNR

- [Bor21a] Max Born. Die physikalische Natur der Röntgenstrahlen. (German) [The physical nature of X-rays]. *Umschau*, 25(??):29–32, ??? 1921. CODEN ???? ISSN ????

Born:1921:DMN

- [Bor21b] Max Born. Über einen direkten mechanischen Nachweis des Dipolcharakters von Flüssigkeitsmolekeln. (German) [On direct mechanical dipole character of fluid molecules]. *Verhandlungen der Deutschen Physikalischen Gesellschaft*, 2(??):53, ??? 1921. CODEN VDPEAZ. ISSN 0372-5448.

Born:1921:EGGa

- [Bor21c] Max Born. Über elektrostatische Gitterpotentiale. (German) [On electrostatic lattice potentials]. *Zeitschrift für Physik*, 7(1):124–140, December 1921. CODEN ZEPYAA. ISSN 0939-7922 (print), 1431-5831 (electronic). URL <http://link.springer.com/article/10.1007/BF01332783>.

Born:1921:TKG

- [Bor21d] Max Born. Zur Thermodynamik der Kristallgitter. (German) [Toward a thermodynamics of crystal lattices]. *Zeitschrift für Physik*, 7(1):217–248, December 1921. CODEN ZEPYAA. ISSN 0939-7922 (print), 1431-5831 (electronic). URL <http://link.springer.com/article/10.1007/BF01332792>.

Born:1922:REI

- [Bor22a] Max Born. *Die Relativitätstheorie Einsteins und ihre physikalischen Grundlagen. Elementar dargestellt. (German) [Einstein's Theory of Relativity and its physical basis. Elementary treatment]*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., third edition, 1922. xi + 267 pp. LCCN QC6 .B65.

Born:1922:HPG

- [Bor22b] Max Born. Hilbert und die Physik. (German) [Hilbert and physics]. *Naturwissenschaften*, 10(4):88–93, January 27, 1922. CODEN NATWAY. ISSN 0028-1042 (print), 1432-1904 (electronic).

Born:1922:TRE

- [Bor22c] Max Born. *La teoría de la relatividad de Einstein y sus fundamentos físicos: Exposición elemental. (Spanish) [Einstein's Theory of Relativity and its fundamental physics: elementary introduction]*. Calpe, Madrid, Spain, 1922. 384 pp. LCCN ????

Born:1922:MWG

- [Bor22d] Max Born. Über das Modell der Wasserstoffmolekel. (German) [On the model of the hydrogen molecule]. *Naturwissenschaften*, 10(??):667–678, ????. 1922. CODEN NATWAY. ISSN 0028-1042 (print), 1432-1904 (electronic).

Born:1922:NOA

- [Bor22e] Max Born. Über die natürliche optische Aktivität der Kristalle. (German) [On the natural optical activity of crystals]. *Zeitschrift für Physik*, 8(1):390–417, December 1922. CODEN ZEPYAA. ISSN 0939-7922 (print), 1431-5831 (electronic). URL <http://link.springer.com/article/10.1007/BF01329609>.

Born:1922:TPG

- [Bor22f] Max Born. Über die Temperaturabhängigkeit der Pyroelektrizität. (German) [On the temperature dependence of pyroelectricity]. *Physikalische Zeitschrift*, 23(5):125–128, March 1, 1922. CODEN PHZTAO. ISSN 0369-982X. URL <http://babel.hathitrust.org/cgi/pt?id=mdp.39015086723239%3Bseq=155%3Bview=1up>.

Born:1923:AFZ

- [Bor23a] Max Born. *Atomtheorie des festen Zustandes (Dynamik der Kristallgitter). (German) [Atomic theory of the solid state (dynamics of crystal lattices)]*. Teubner, Stuttgart, Germany; Leipzig, Germany, 1923. ????. pp. LCCN ????

Born:1923:CM

- [Bor23b] Max Born. *The constitution of matter*, volume ?? Methuen and Co. Ltd., London, UK, 1923. ????. pp. LCCN ????

Born:1923:QSGa

- [Bor23c] Max Born. Quantentheorie und Störungsrechnung. (German) [Quantum theory and perturbation calculation]. *Naturwissenschaften*, 11(27):537–542, July 1923. CODEN NATWAY. ISSN 0028-1042 (print), 1432-1904 (electronic).

Born:1923:QSGb

- [Bor23d] Max Born. Quantentheorie und Störungsrechnung. (German) [Quantum theory and perturbation calculation]. *Naturwissenschaften*, 10(??):677–678, ??? 1923. CODEN NATWAY. ISSN 0028-1042 (print), 1432-1904 (electronic).

Born:1924:EIP

- [Bor24a] Max Born. Der Einfluß der Ionendeformation auf physikalische und chemische Konstanten. (German) [The influence of the deformability of ions on optical and chemical constants.]. *Verhandlungen der Deutschen Physikalischen Gesellschaft*, 5(??):8–9, ??? 1924. CODEN VDPEAZ. ISSN 0372-5448.

Born:1924:CBD

- [Bor24b] Max Born. Die chemische Bindung als dynamisches Problem. (German) [The chemical bond as a dynamic problem]. *Naturwissenschaften*, 12(??):1199–1207, ??? 1924. CODEN NATWAY. ISSN 0028-1042 (print), 1432-1904 (electronic).

Born:1924:RRT

- [Bor24c] Max Born. Recherches récentes sur la théorie de l’affinité chimique. (French) [Recent research on the theory of chemical affinity]. *Scientia (Milan)*, 36(??):155–168, ??? 1924. CODEN SCIMAI. ISSN 0036-8687 (print), 1825-4373 (electronic).

Born:1924:AGA

- [Bor24d] Max Born. Über Atomtheorie. (German) [On atomic theory]. *Elektrotech. Z.*, 45(??):889–897, ??? 1924. CODEN ??? ISSN ???

Born:1924:EDC

- [Bor24e] Max Born. Über die elektrische Deutung der chemischen Kräfte. (German) [On the electrical interpretation of chemical forces]. *Zeitschrift für Elektrochemie*, 30(??):382–386, ??? 1924. CODEN ZEELAI. ISSN 0372-8382.

Born:1924:QGQa

- [Bor24f] Max Born. Über Quantenmechanik. (German) [On quantum mechanics]. *Zeitschrift für Physik*, 26(1):379–395, December 1924. CODEN ZEPYAA. ISSN 0939-7922 (print), 1431-5831 (electronic). URL <http://link.springer.com/article/10.1007/BF01327341>. Kemmer and Schlapp [KS71, p. 33] report that this may be the earliest published paper with “quantum mechanics” in its title. English translation in [Bor67c].

Born:1926:PAD

- [Bor26a] M. Born. *Problems of atomic dynamics. I: The structure of the atom (20 lectures). II: The lattice theory of rigid bodies (10 lectures)*. MIT Press, Cambridge, MA, USA, 1926. xiv + 200 pp. URL <http://mitpress.mit.edu/about/history>; <http://mitpress.mit.edu/books/problems-atomic-dynamics>.

Born:1926:AQG

- [Bor26b] Max Born. Das Adiabatenprinzip in der Quantenmechanik. (German) [The adiabatic principle in quantum mechanics]. *Zeitschrift für Physik*, 40(3–4):167–192, March 1926. CODEN ZEPYAA. ISSN 0939-7922 (print), 1431-5831 (electronic). URL <http://link.springer.com/article/10.1007/BF01400360>.

Born:1926:PAS

- [Bor26c] Max Born. *Probleme der Atomdynamik. I. Die Struktur des Atoms. II. Die Gittertheorie des festen Zustandes. (German) [Problems of atomic dynamics. I. The structure of the atom. II. The lattice theory of the solid state]*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1926. 180 pp. LCCN ????

Born:1926:QSGb

- [Bor26d] Max Born. Quantenmechanik der Stoßvorgänge. (German) [Quantum mechanics of collision processes]. *Zeitschrift für Physik*, 38(11–12):803–827, November 1926. CODEN ZEPYAA. ISSN 0939-7922 (print), 1431-5831 (electronic). URL <http://link.springer.com/article/10.1007/BF01397184>.

Born:1926:QSGa

- [Bor26e] Max Born. Zur Quantenmechanik der Stoßvorgänge. (German) [Toward a quantum mechanics of collision processes]. *Zeitschrift für Physik*, 37(12):863–867, December 1926. CODEN ZEPYAA.

ISSN 0939-7922 (print), 1431-5831 (electronic). URL <http://link.springer.com/article/10.1007/BF01397477>.

Born:1926:WSG

- [Bor26f] Max Born. Zur Wellenmechanik der Stoßvorgänge. (German) [Toward a wave mechanics of collision processes]. *Nachr. Ges. Wiss. Göttingen*, ??(?):146–160, ??? 1926. CODEN ??? ISSN ???

Born:1927:AKG

- [Bor27a] Max Born. Atomkonstanten und Körpereigenschaften. (German) [Atomic constants and physical properties]. *Z. math. naturw. Unterr.*, 40(?):241–253, ??? 1927. CODEN ??? ISSN ???

Born:1927:PAQ

- [Bor27b] Max Born. Physical aspects of quantum mechanics. *Nature*, 119 (2992):354–357, March 5, 1927. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v119/n2992/pdf/119354a0.pdf>.

Born:1927:QSG

- [Bor27c] Max Born. Quantenmechanik und Statistik. (German) [Quantum mechanics and statistics]. *Naturwissenschaften*, 15(?):238–242, ??? 1927. CODEN NATWAY. ISSN 0028-1042 (print), 1432-1904 (electronic).

Born:1928:AL

- [Bor28a] Max Born. Antoon Lorentz. *Nachr. Ges. Wiss. Göttingen*, ??(?):69–73, ??? 1928. CODEN ??? ISSN ???

Born:1928:KAR

- [Bor28b] Max Born. Kongress der Assoziation der russischen Physiker. (German) [Congress of the Association of Russian Physicists]. *Naturwissenschaften*, 16(?):741–743, ??? 1928. CODEN NATWAY. ISSN 0028-1042 (print), 1432-1904 (electronic).

Born:1928:SBS

- [Bor28c] Max Born. Sommerfeld als Begründer einer Schule. (German) [Sommerfeld as founder of a school]. *Naturwissenschaften*, 16(49):1035–1036, December 7, 1928. CODEN NATWAY. ISSN 0028-1042 (print), 1432-1904 (electronic).

Born:1928:SPT

- [Bor28d] Max Born. Über den Sinn der physikalischen Theorien. (German) [On the meaning of physical theories]. *Nachr. Ges. Wiss. Göttingen*, ??(??):51–70, ????. 1928. CODEN ????? ISSN ????

Born:1928:BSV

- [Bor28e] Max Born. Über die Bedeutung der Stoßvorgänge für das Verständnis der Quantenmechanik. (German) [On the importance of collision processes for the understanding of quantum mechanics]. In *Atti Congr. Intern. dei Fisici Como-Pavia-Roma 1927*, volume 2, pages 443–447. ????, ????, 1928.

Born:1928:TRG

- [Bor28f] Max Born. Zur Theorie des Ramaneffektes. (German) [Toward a theory of the Raman effect]. *Naturwissenschaften*, 16(??):673, ????. 1928. CODEN NATWAY. ISSN 0028-1042 (print), 1432-1904 (electronic).

Born:1929:QTC

- [Bor29a] Max Born. The quantum theory of chemical valence. *Nature*, 126(??):205–??, ????. 1929. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic).

Born:1929:SPT

- [Bor29b] Max Born. Über den Sinn der physikalischen Theorien. (German) [On the meaning of physical theories]. *Naturwissenschaften*, 17(??):109–118, ????. 1929. CODEN NATWAY. ISSN 0028-1042 (print), 1432-1904 (electronic).

Born:1929:QCK

- [Bor29c] Max Born. Zur Quantentheorie der chemischen Kräfte. (German) [Toward a quantum theory of chemical forces]. *Zeitschrift für Physik*, 64(11–12):729–740, September 22, 1929. CODEN ZEPYAA. ISSN 0939-7922 (print), 1431-5831 (electronic). URL <http://link.springer.com/article/10.1007/BF01773002>.

Born:1929:TKGa

- [Bor29d] Max Born. Zur Theorie des Kernzerfalls. (German) [Toward the theory of nuclear disintegration]. *Verhandlungen der Deutschen Physikalischen Gesellschaft*, 10(??):31–32, ????. 1929. CODEN VDPEAZ. ISSN 0372-5448.

Born:1929:TKGb

- [Bor29e] Max Born. Zur Theorie des Kernzerfalls. (German) [Toward the theory of nuclear disintegration]. *Zeitschrift für Physik*, 58 (5–6):306–321, May 1929. CODEN ZEPYAA. ISSN 0939-7922 (print), 1431-5831 (electronic). URL <http://link.springer.com/article/10.1007/BF01340382>.

Born:1930:QTC

- [Bor30a] M. Born. The quantum theory of chemical valence free. *Nature*, 126(3171):205, August 9, 1930. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v126/n3171/full/126205d0.html>.

Born:1930:QCB

- [Bor30b] Max Born. Zur Quantentheorie der chemischen Bindung. (German) [Toward a quantum theory of chemical bonding]. *Verhandlungen der Deutschen Physikalischen Gesellschaft*, 11(?):34–??, ??? 1930. CODEN VDPEAZ. ISSN 0372-5448.

Born:1931:ATH

- [Bor31a] Max Born. The application of the theory of homopolar valency to polyatomic molecules. In *Chemistry at the Centenary Meeting of the British Association*, pages 249–254. Heffer, Cambridge, UK, 1931. CODEN ???? ISSN ????

Born:1931:CBQ

- [Bor31b] Max Born. Chemische Bindung und Quantenmechanik. (German) [Chemical binding and quantum mechanics]. *Ergebnisse der Exakten Naturwissenschaften*, 10(?):387–444, ??? 1931. CODEN EENAA3. ISSN 0367-0325.

Born:1931:GPC

- [Bor31c] Max Born. Das Grenzgebiet von Physik und Chemie. (German) [The border region of physics and chemistry]. *Umschau*, 35(?):509–511, ??? 1931. CODEN ???? ISSN ????

Born:1931:FJB

- [Bor31d] Max Born. Faraday-Jahrhundertfeier und British Association im London. (German) [Faraday centenary and the British Association London]. *Naturwissenschaften*, 19(?):932–934, ??? 1931. CODEN NATWAY. ISSN 0028-1042 (print), 1432-1904 (electronic).

Born:1931:QPM

- [Bor31e] Max Born. Quelques problèmes de mécanique quantique. (French) [Some problems with quantum mechanics]. *Ann. Inst. Poincaré*, 1(??):205–263, 1931. CODEN ???? ISSN ????

Born:1931:WCK

- [Bor31f] Max Born. Was sind die chemischen Kräfte?. (German) [What are the chemical forces?]. *Umschau (1897)*, 35(??):532–534, 1931. CODEN UMSCAS. ISSN 0372-4409.

Born:1932:UEA

- [Bor32a] Max Born. Die ultraroten Eigenfrequenzen der Alkalihalogenidkristalle. (German) [The infra-red natural frequencies of alkali halide crystals]. *Zeitschrift für Physik*, 76(7–8):559–560, July 1932. CODEN ZEPYAA. ISSN 0939-7922 (print), 1431-5831 (electronic). URL <http://link.springer.com/article/10.1007/BF01336737>.

Born:1932:BEG

- [Bor32b] Max Born. Eine Bemerkung über den Elektronenradius. (German) [A note on the electron radius]. *Naturwissenschaften*, 20(??):269, 1932. CODEN NATWAY. ISSN 0028-1042 (print), 1432-1904 (electronic).

Born:1932:GUA

- [Bor32c] Max Born. Geometrische und undulatorische Abbildungsfehler der optischen Instrumente. (German) [Geometrical and undulatory aberrations in optical instruments]. *Naturwissenschaften*, 20(??):921–923, 1932. CODEN NATWAY. ISSN 0028-1042 (print), 1432-1904 (electronic).

Born:1932:DUA

- [Bor32d] Max Born. Zur Deutung der ultravioletten Absorptionsbanden der Alkalihalogenide. (German) [Toward the interpretation of the ultraviolet absorption bands of the alkali halides]. *Zeitschrift für Physik*, 79(1–2):62–68, January 1932. CODEN ZEPYAA. ISSN 0939-7922 (print), 1431-5831 (electronic). URL <http://link.springer.com/article/10.1007/BF01349501>.

Born:1932:THV

- [Bor32e] Max Born. Zur Theorie der homöopolaren Valenz bei mehratomigen Molekülen. (German) [Toward the theory of homopolar valence

in polyatomic molecules]. *Zeitschrift für Angewandte Chemie*, 45 (??):6–8, 1932. CODEN ???? ISSN ????

Born:1933:MPS

- [Bor33a] Max Born. *Moderne Physik: Sieben Vorträge über Materie und Strahlung. (German) [Modern Physics: Seven Lectures on Matter and Radiation]*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1933. vii + 272 pp. LCCN ????

Born:1933:MFE

- [Bor33b] Max Born. Modified field equations with a finite radius of the electron. *Nature*, 132(3329):282, August 19, 1933. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v132/n3329/pdf/132282a0.pdf>.

Born:1933:OLE

- [Bor33c] Max Born. *Optik: Ein Lehrbuch der elektromagnetischen Lichttheorie. (German) [Optics: a textbook of the electromagnetic theory of light]*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1933. vii + 591 pp. LCCN ????

Born:1934:CRN

- [Bor34a] Max Born. Cosmic rays and the new field theory. *Nature*, 133 (3350):63–64, January 13, 1934. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v133/n3350/pdf/133063b0.pdf>.

Born:1934:QTE

- [Bor34b] Max Born. On the quantum theory of the electromagnetic field. *Proceedings of the Royal Society of London. Series A, Mathematical and physical sciences*, 143(849):410–437, January 1, 1934. CODEN PRLAAZ. ISSN 0080-4630. URL <http://www.jstor.org/stable/96101>; <http://www.jstor.org/stable/pdfplus/96101.pdf>.

Born:1934:QE

- [Bor34c] Max Born. Quantum electrodynamics. In *Papers and Discussions of the International of Conference on Physics. London. Vol. I*, pages 19–27. 1934. CODEN ???? ISSN ????

Born:1935:AP

- [Bor35a] Max Born. *Atomic physics*. Blackie, Glasgow, Scotland, 1935. ???? pp. LCCN ????

Born:1935:MN

- [Bor35b] Max Born. The mysterious number 137. *Proceedings — Indian Academy of Sciences, Section A*, 2(??):533–561, 1935. CODEN PISAA7. ISSN 0370-0089.

Born:1935:TOA

- [Bor35c] Max Born. On the theory of optical activity. I. General theory of a system of coupled isotropic oscillators. II. Molecules with a binary axis of symmetry. *Proceedings of the Royal Society of London. Series A, Mathematical and physical sciences*, 150(869):84–105, May 1, 1935. CODEN PRLAAZ. ISSN 0080-4630. URL <http://rspa.royalsocietypublishing.org/content/150/869/84>; <http://www.jstor.org/stable/pdfplus/96325.pdf>. See erratum [Bor36a].

Born:1935:QFT

- [Bor35d] Max Born. Quantised field theory and the mass of the proton. *Nature*, 136(3450):952–953, December 14, 1935. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v136/n3450/pdf/136952a0.pdf>.

Born:1935:QE

- [Bor35e] Max Born. Quantum electrodynamics. In *Internat. Conf. on Physics*, volume 1, pages 19–27. 1935.

Born:1935:RU

- [Bor35f] Max Born. *The Restless Universe*. Blackie, Glasgow, Scotland, 1935. LCCN ????

Born:1936:ETO

- [Bor36a] Max Born. Erratum: On the theory of optical activity. I. General theory of a system of coupled isotropic oscillators; II. Molecules with a binary axis of symmetry. *Proceedings of the Royal Society of London. Series A, Mathematical and physical sciences*, 153(879):339–??, January 1, 1936. CODEN PRLAAZ. ISSN 0080-4630. See [Bor35c].

Born:1936:LED

- [Bor36b] Max Born. On the linearization of the energy density of the electromagnetic field. *Proceedings of the Cambridge Philosophical Society. Mathematical and physical sciences*, 32(1):102–107, January 1936. CODEN PCPSA4. ISSN 0008-1981.

Born:1936:SPA

- [Bor36c] Max Born. Some philosophical aspects of modern physics (Inaugural Lecture as Tait Professor of Natural Philosophy, University of Edinburgh). *Proceedings of the Royal Society of Edinburgh*, 57(??):1–18, ??? 1936. CODEN PRSEAE. ISSN 0080-4541 (print), 2053-5902 (electronic).

Born:1936:UTFa

- [Bor36d] Max Born. Unitary theory of field and matter I. Classical treatment. Charged particle with magnetic rest-moment. *Proc. Indian Acad. Sci*, 3(??):8–24, ??? 1936. CODEN ??? ISSN ???

Born:1936:UTFb

- [Bor36e] Max Born. Unitary theory of field and matter. II. Classical treatment. Charged particle with electric and magnetic moment. *Proceedings — Indian Academy of Sciences, Section A*, 3(??):85–97, ??? 1936. CODEN PISAA7. ISSN 0370-0089.

Born:1937:BRB

- [Bor37a] Max Born. Book review: *The Theory of the Properties of Metals and Alloys*, by N. F. Mott and H. Jones. *Mathematical Gazette*, 21(242):61, February 1937. CODEN MAGAAS. ISSN 0025-5572 (print), 2056-6328 (electronic). URL <http://www.jstor.org/stable/pdfplus/3605761.pdf>.

Born:1937:SPA

- [Bor37b] Max Born. Some philosophical aspects of modern physics. *Proceedings of the Royal Society of Edinburgh*, 57(??):1–18, January 1937. CODEN PRSEAE. ISSN 0080-4541 (print), 2053-5902 (electronic).

Born:1937:SMC

- [Bor37c] Max Born. The statistical mechanics of condensing systems. *Physica*, 4(??):1034–1044, ??? 1937. CODEN PHYSAG. ISSN 0031-8914 (print), 1873-1767 (electronic).

Born:1937:WMC

- [Bor37d] Max Born. Wave mechanics of couples (neutron–neutrino). *Nature*, 139(3506):68, January 9, 1937. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v139/n3506/pdf/139068a0.pdf>.

Born:1938:ARN

- [Bor38a] Max Born. Application of “reciprocity” to nuclei. *Proceedings of the Royal Society of London. Series A, Mathematical and physical sciences*, 166(927):552–557, June 16, 1938. CODEN PRLAAZ. ISSN 0080-4630. URL <http://rspa.royalsocietypublishing.org/content/166/927/552>.

Born:1938:RQT

- [Bor38b] Max Born. Relativity and quantum theory. *Nature*, 141(3564):327–328, February 19, 1938. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v141/n3564/pdf/141327a0.pdf>.

Born:1938:SRR

- [Bor38c] Max Born. Some remarks on reciprocity. *Proceedings — Indian Academy of Sciences, Section A*, 8(??):309–314, ??? 1938. CODEN PISAA7. ISSN 0370-0089.

Born:1938:SUQ

- [Bor38d] Max Born. A suggestion for unifying quantum theory and relativity. *Proceedings of the Royal Society of London. Series A, Mathematical and physical sciences*, 165(921):291–303, April 5, 1938. CODEN PRLAAZ. ISSN 0080-4630. URL <http://rspa.royalsocietypublishing.org/content/165/921/291>.

Born:1938:TNL

- [Bor38e] Max Born. Théorie non-linéaire du champ électromagnétique. (French) [Nonlinear theory of the electromagnetic field]. *Ann. Inst. Poincaré*, 7(??):155–265, ??? 1938. CODEN ???? ISSN ????

Born:1938:TNK

- [Bor38f] Max Born. The Twenty-Ninth Kelvin Lecture: “Statistical Laws of Nature”. *Journal of the Institution of Electrical Engineers*, 83(504):802–813, ??? 1938. CODEN JISEAL. ISSN 0368-2692. Lecture delivered before The Institution, 28th April, 1938.

Born:1939:CPEb

- [Bor39a] Max Born. Cause, purpose, and economy in natural laws (minimum principles in physics). *Proceedings of the Royal Institution of Great Britain*, 30(3):596–628, February 10, 1939. CODEN PIGBAI. ISSN 0035-8959. URL <http://hdl.handle.net/2027/uc1.32106020416217?urlappend=%3Bseq=202>.

CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v145/n3675/pdf/145528a0.pdf>.

Born:1940:OSJ

- [Bor40d] Max Born. Obituary: Sir J. J. Thomson, O.M., F.R.S. *Nature*, 146(3698):356–357, September 14, 1940. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v146/n3698/pdf/146356b0.pdf>.

Born:1940:SCLa

- [Bor40e] Max Born. On the stability of crystal lattices. I. *Proceedings of the Cambridge Philosophical Society. Mathematical and physical sciences*, 36(2):160–172, April 1940. CODEN PCPSA4. ISSN 0008-1981.

Born:1940:OT

- [Bor40f] Max Born. Otto Toeplitz. *Nature*, 145(??):617–??, ????. 1940. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic).

Born:1940:RBB

- [Bor40g] Max Born. Relation between breaking and melting. *Nature*, 145(3680):741–742, May 11, 1940. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v145/n3680/pdf/145741b0.pdf>.

Born:1940:SJJ

- [Bor40h] Max Born. Sir J. J. Thomson. *Nature*, 146(??):356–??, ????. 1940. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic).

Born:1941:DRX

- [Bor41a] Max Born. Diffuse reflexion of X-rays. *Nature*, 147(3735):674, May 31, 1941. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v147/n3735/pdf/147674a0.pdf>.

Born:1941:SJJ

- [Bor41b] Max Born. Sir J. J. Thomson. *Proceedings of the Physical Society, London*, 53(1):305–310, May 1, 1941. CODEN PPSOAU. ISSN ????

Born:1942:DAB

- [Bor42a] Max Born. Dr Arnold Berliner. *Nature*, 150(??):284–??, ????. 1942. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic).

Born:1942:ETV

- [Bor42b] Max Born. Effect of thermal vibrations on the scattering of X-rays. III. *Proceedings of the Royal Society of London. Series A, Mathematical and physical sciences*, 180(983):397–413, July 3, 1942. CODEN PRLAAZ. ISSN 0080-4630. URL <http://rspa.royalsocietypublishing.org/content/180/983/397>.

Born:1942:LDX

- [Bor42c] Max Born. Lattice dynamics and X-ray scattering. *Proceedings of the Physical Society, London*, 54(4):362–376, July 1, 1942. CODEN PPSOAU. ISSN 0959-5309 (print), 2051-2171 (electronic). URL <http://iopscience.iop.org/0959-5309/54/4/304>.

Born:1942:ODA

- [Bor42d] Max Born. Obituaries [Dr. Arnold Berliner]. *Nature*, 150(3801):284–285, September 5, 1942. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v150/n3801/pdf/150284b0.pdf>.

Born:1942:SCL

- [Bor42e] Max Born. On the stability of crystal lattices. IX. Covariant theory of lattice deformations and the stability of some hexagonal lattices. *Proceedings of the Cambridge Philosophical Society. Mathematical and physical sciences*, 38(1):82–99, January 1942. CODEN PCPSA4. ISSN 0008-1981. See corrigenda [Bor44c].

Born:1942:TTD

- [Bor42f] Max Born. On the theory of temperature diffuse scattering. *Physical Review*, 61(5–6):377–378, March 1942. CODEN PHRVAO. ISSN 0031-899X (print), 1536-6065 (electronic). URL <http://link.aps.org/doi/10.1103/PhysRev.61.377>; http://prola.aps.org/abstract/PR/v61/i5-6/p377_1.

Born:1942:QTDb

- [Bor42g] Max Born. Quantum theory and diffuse X-ray reflexions. *Nature*, 149(??):403–??, ??? 1942. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic).

Born:1942:TTP

- [Bor42h] Max Born. The teaching of theoretical physics in universities. *Reports on Progress in Physics*, 8(??):1–10, ??? 1942. CODEN RP-PHAG. ISSN 0034-4885 (print), 1361-6633 (electronic).

Born:1943:ETP

- [Bor43a] Max Born. *Experiment and theory in physics*. Oxford University Press, Walton Street, Oxford OX2 6DP, UK, 1943. ???? pp. LCCN ????

Born:1943:OLE

- [Bor43b] Max Born. *Optik: Ein Lehrbuch der elektromagnetischen Lichttheorie. (German) [Optics: a textbook of the electromagnetic theory of light]*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1943. vii + 591 pp. LCCN ????

Born:1943:TIR

- [Bor43c] Max Born. Theoretical investigations on the relation between crystal dynamics and X-ray scattering. *Reports on Progress in Physics*, 9(??):294–333, ???? 1943. CODEN RPPHAG. ISSN 0034-4885 (print), 1361-6633 (electronic).

Born:1943:TCLa

- [Bor43d] Max Born. The thermodynamics of crystal lattices. I. Discussion of the methods of calculation. *Proceedings of the Cambridge Philosophical Society. Mathematical and physical sciences*, 39(2):100–103, July 1943. CODEN PCPSA4. ISSN 0008-1981.

Born:1944:BRSa

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Born:1944:BR Sb

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Born:1951:RU

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Born:1951:SS

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Born:1952:SGG

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Born:1955:EWA

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Born:1955:KMT

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Born:1956:PMG

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Born:1957:MA

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Born:1957:MP

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Born:1958:ES

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Born:1958:SFS

- [Bor58g] Max Born. Sir Francis Simon, F.R.S. *Z. phys. Chem*, 16(??):ix–xvii, ??? 1958. CODEN ???? ISSN ????

Born:1958:VKM

- [Bor58h] Max Born. Vorhersagbarkeit in der klassischen Mechanik. (German) [Predictability in classical mechanics]. *Zeitschrift für Physik*, 153(3):372–388, June 1958. CODEN ZEPYAA. ISSN 0939-7922 (print), 1431-5831 (electronic). URL <http://link.springer.com/article/10.1007/BF01329043>.

Born:1959:QMM

- [Bor59a] Max Born. Dans quelle mesure la mécanique classique peut-elle prédire les trajectoires?. (French) [To what extent can classical mechanics predict trajectories?]. *Journal de Physique et le Radium*, 20(1):43–50, ??? 1959. CODEN JPRAAJ. ISSN 0368-3842.

Born:1959:EHM

- [Bor59b] Max Born. Erinnerungen an Hermann Minkowski zur 50. Wiederkehr seines Todestages. (German) [Memories of Hermann Minkowski on the 50th anniversary of his death]. *Naturwissenschaften*, 46(17):501–505, September 1, 1959. CODEN NATWAY. ISSN 0028-1042 (print), 1432-1904 (electronic).

Born:1959:EMV

- [Bor59c] Max Born. Erinnerungen an Max v. Laues Entdeckung der Beugung von Röntgenstrahlen durch Kristalle. (German) [Memories of

Max von Laue's discovery of the diffraction of X-rays by crystals]. *Zeitschrift für Kristallographie*, 112(??):1-??, ??? 1959. CODEN ZEKRDZ. ISSN 0044-2968.

Born:1959:PIW

- [Bor59d] Max Born. *Physik im Wandel meiner Zeit. (German) [Physics in Flux in My Time]*, volume 111 of *Die Wissenschaft*. Friedrich Vieweg und Sohn, Braunschweig, Germany, third edition, 1959. vii + 252 pp. LCCN ????

Born:1959:VKM

- [Bor59e] Max Born. Voraussagbarkeit in der klassischen Mechanik. (German) [Predictability in classical mechanics]. *Physikalische Blätter*, 15(8):342–349, August 1959. CODEN PHBLAG. ISSN 0031-9279 (print), 1521-3722 (electronic). URL <http://onlinelibrary.wiley.com/doi/10.1002/phbl.19590150802/abstract>.

Born:1960:PIG

- [Bor60a] Max Born. Die Physik und die Ismen. (German) [Physics and isms]. *Physikalische Blätter*, 16(4):147–148, April 1960. CODEN PHBLAG. ISSN 0031-9279 (print), 1521-3722 (electronic). URL <http://onlinelibrary.wiley.com/doi/10.1002/phbl.19600160402/abstract>.

Born:1960:LMI

- [Bor60b] Max Born. *L'universo in movimento. (Italian) [The restless universe]*. G. Feltrinelli, Milano, Italy, 1960. 244 pp. LCCN ????

Born:1960:MA

- [Bor60c] Max Born. *Mechanics of the atom*. F. Ungar Publishing Co., London, UK, 1960. xvi + 317 pp. LCCN ????

Born:1960:PP

- [Bor60d] Max Born. Physics and politics. *Bulletin of the Atomic Scientists*, 16(6):194–200, June 1960. CODEN BASIAP. ISSN 0096-3402 (print), 1938-3282 (electronic).

Born:1960:PPG

- [Bor60e] Max Born. *Physik und Politik. (German) [Physics and politics]*. Vandenhoeck & Ruprecht, Göttingen, West Germany, 1960. ??? pp. LCCN ????

Born:1961:BSD

- [Bor61a] Max Born. Bemerkungen zur statistischen Deutung der Quantenmechanik. (German) [Remarks on the statistical interpretation of quantum mechanics]. In *W. Heisenberg und die Physik unserer Zeit. (German) [W. Heisenberg and the physics of our time]*, pages 103–118. Friedrich Vieweg und Sohn, Braunschweig, Germany, 1961.

Born:1961:FNT

- [Bor61b] Max Born. *La fisica e il nostro tempo. (Italian) [Physics and Our Time]*. Sansoni, Firenze, Italy, 1961. 401 + 16 pp. LCCN ????

Born:1961:MAL

- [Bor61c] Max Born. More about Lorentz transformation equations. *The British Journal for the Philosophy of Science*, 12(46):150–151, August 1961. CODEN BJPIA5. ISSN 0007-0882 (print), 1464-3537 (electronic). URL <http://bjps.oxfordjournals.org/content/XII/46/150.full.pdf+html>; <http://www.jstor.org/stable/685494>; <http://www.jstor.org/stable/pdfplus/685494.pdf>.

Born:1962:PPU

- [Bor62a] Max Born. Die Physik in der Problematik unseres Zeitalters. (German) [The physics of the problem of our age]. *Universitas: Zeitschrift für interdisziplinäre Wissenschaft*, 17(??):??, 1962. CODEN UNIVA8. ISSN 0041-9079.

Born:1962:ETR

- [Bor62b] Max Born. *Einstein's Theory of Relativity*. Dover Publications, Inc., New York, NY, USA, 1962. vii + 376 pp. LCCN QC6 .B66 1962. With the collaboration of Günther Leibfried and Walter Biem.

Born:1962:JF

- [Bor62c] Max Born. Jacob Frenkel. *Soviet Physics. Uspekhi*, 5(??):194–??, 1962. CODEN SOPUAP. ISSN 0038-5670.

Born:1962:PPa

- [Bor62d] Max Born. *Physics and politics*. Oliver and Boyd, Edinburgh, UK; London, UK, 1962. ???? pp. LCCN ????

Born:1962:PPb

- [Bor62e] Max Born. *Physics and politics*. Basic Books, New York, NY, USA, 1962. vii + 86 pp. LCCN QC71 .B6653.

Born:1962:TPW

- [Bor62f] Max Born. Translation of a poem by Wilhelm Busch. *Edinburgh University Journal*, ??(??):??, Spring 1962. CODEN ???? ISSN ????

Born:1963:ALG

- [Bor63a] Max Born. Antoon Lorentz. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 81, pages 607–611. LCCN ???? Reprinted from Nachr. Ges. Wiss. Göttingen **1928**, 69–73.

Born:1963:AJW

- [Bor63b] Max Born. Arnold Johannes Wilhelm Sommerfeld 1868–1951. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 89, pages 647–659. LCCN ???? Reprinted from *Obit. Notices Roy. Soc.* **8**, 275–287 (1952).

Born:1963:AAGa

- [Bor63c] Max Born. *Ausgewählte Abhandlungen. (German) [Selected works]*, volume 1. Vandenhoeck & Ruprecht, Göttingen, West Germany, 1963. xxiv + 718 pp. LCCN ???? Mit einem Verzeichnis der wissenschaftlichen Schriften (German) [With a table of contents of scientific writings].

Born:1963:AAGb

- [Bor63d] Max Born. *Ausgewählte Abhandlungen. (German) [Selected works]*, volume 2. Vandenhoeck & Ruprecht, Göttingen, West Germany, 1963. viii + 706 pp. LCCN ???? Mit einem Verzeichnis der wissenschaftlichen Schriften (German) [With a table of contents of scientific writings].

Born:1963:BSD

- [Bor63e] Max Born. Bemerkungen zur statistischen Deutung der Quantenmechanik. (German) [Comments on the statistical interpretation of quantum mechanics]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 70, pages 454–468. LCCN ???? Reprinted from *Werner Heisenberg und die Physik unserer Zeit*. Vieweg, Braunschweig 1961, pp. 103–118.

Born:1963:BTS

- [Bor63f] Max Born. Berichtigung: Die Theorie des starren Elektrons in der Kinematik des Relativitätsprinzips. (German) [Correction: Theory of the rigid electron in the kinematics of the Principle of Relativity].

In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63c], chapter 2, page 160. LCCN ????. See [Bor63n]. Reprinted from *Ann. Physik* (4), **30**, 840 (1909).

Born:1963:BFG

[Bor63g] Max Born. Betrachtungen zur Farbenlehre. (German) [Considerations of color theory]. *Naturwissenschaften*, 50(??):29–39, ????. 1963. CODEN NATWAY. ISSN 0028-1042 (print), 1432-1904 (electronic).

Born:1963:CDR

[Bor63h] Max Born. Continuity, determinism and reality. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63c], chapter 6, pages 196–219. LCCN ????. Reprinted from *Dan. Mat. Fys. Medd.* **80**, No. 2 (1955), 26 S..

Born:1963:CSC

[Bor63i] Max Born. Corrigenda: On the Stability of Crystal Lattices IX. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63c], chapter 34, pages 581–582. LCCN ????. See [Bor63-32]. Reprinted from *Proc. Camb. Phil. Soc.* **40**, 262–263 (1944).

Born:1963:AQG

[Bor63j] Max Born. Das Adiabatenprinzip in der Quantenmechanik. (German) [Adiabatic principle in quantum mechanics]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 58, pages 258–283. LCCN ????. Reprinted from *Z. Physik* **40**, 167–192 (1926).

Born:1963:IES

[Bor63k] Max Born. Der Impuls-Energie-Satz in der Elektrodynamik von Gustav Mie. (German) [The pulse-energy theorem in Gustav Mie's electrodynamics]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 71, pages 470–483. LCCN ????. Reprinted from *Nachr. Ges. Wiss. Göttingen* **1914**, 23–37.

Born:1963:EHG

[Bor63l] Max Born. Die Elektronenaffinität der Halogenatome. (German) [The electron affinity of halogen atoms]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63c], chapter 19, pages 375–382. LCCN ????. Reprinted from *Verh. Dtsch. Physik. Ges.* **21**, 679–685 (1919).

Born:1963:SDQ

- [Bor63m] Max Born. Die statistische Deutung der Quantenmechanik. (German) [The statistical interpretation of quantum mechanics]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 68, pages 430–441. LCCN ????. Reprinted from Nobelvortrag, gehalten am 11. Dezember 1954, Les Prix Nobel en 1954, Stockholm 1955, pp. 79–90.

Born:1963:TSE

- [Bor63n] Max Born. Die Theorie des starren Elektrons in der Kinematik des Relativitätsprinzips. (German) [The theory of the rigid electron in the kinematics of the Principle of Relativity]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63c], chapter 2, pages 105–159. LCCN ????. See correction [Bor63f]. Reprinted from Ann. Physik (4), **30**, 1–56 (1909).

Born:1963:UEA

- [Bor63o] Max Born. Die ultraroten Eigenfrequenzen der Alkalihalogenidkristalle. (German) [The infra-red natural frequencies of alkali halide crystals]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63c], chapter 30, pages 527–528. LCCN ????. Reprinted from Z. Physik **76**, 559–560 (1932).

Born:1963:DAB

- [Bor63p] Max Born. Dr. Arnold Berliner. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 84, page 620. LCCN ????. Reprinted from Nature **150**, 284 (1942).

Born:1963:BEG

- [Bor63q] Max Born. Eine Bemerkung über den Elektronenradius. (German) [A note on the electron radius]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 72, pages 484–485. LCCN ????. Reprinted from Naturwiss. **20**, 269 (1932).

Born:1963:DMF

- [Bor63r] Max Born. Eine direkte Messung der freien Weglänge neutraler Atome. (German) [A direct measurement of the free path of neutral atoms]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63c], chapter 43, pages 694–697. LCCN ????. Reprinted from Physik. Zschr. **21**, 578–581 (1920).

Born:1963:TAG

- [Bor63s] Max Born. Eine thermochemische Anwendung der Gittertheorie. (German) [A thermochemical application of lattice theory]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63c], chapter 18, pages 363–374. LCCN ????. Reprinted from Verh. Dtsch. Physik. Ges. **21**, 13–24 (1919).

Born:1963:ECD

- [Bor63t] Max Born. Elastic constants of diamond. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63c], chapter 38, pages 634–635. LCCN ????. Reprinted from Nature **157**, 582 (1946).

Born:1963:EAE

- [Bor63u] Max Born. Erinnerungen an Albert Einstein. (German) [Memories of Albert Einstein]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 90, pages 660–668. LCCN ????. Reprinted from Der Mathematische und Naturwissenschaftliche Unterricht **IX** 97–105 (1956).

Born:1963:EHM

- [Bor63v] Max Born. Erinnerungen an Hermann Minkowski zur 50. Wiederkehr seines Todestages. (German) [Memories of Hermann Minkowski on the 50th anniversary of his death]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 92, pages 678–690. LCCN ????. Reprinted from Naturwiss. **46**, 501–505 (1959).

Born:1963:ES

- [Bor63w] Max Born. Erwin Schrödinger. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 93, pages 691–694. LCCN ????. Reprinted from Physik. Bl. **17**, 85–87 (1961).

Born:1963:HPG

- [Bor63x] Max Born. Hilbert und die Physik. (German) [Hilbert and physics]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 78, pages 584–598. LCCN ????. Reprinted from Naturwiss. **10**, 88–93 (1922).

Born:1963:KEK

- [Bor63y] Max Born. Kopplung der Elektronen- und Kernbewegung in Molekeln und Kristallen. (German) [Coupling of electron and nuclear motion in molecules and crystals]. In *Ausgewählte Abhand-*

lungen. (German) [Selected works] [Bor63c], chapter 40, pages 654–655. LCCN ????. Reprinted from Nachr. Akad. Wiss. Göttingen, **1951**, Nr. 6.

Born:1963:KBT

- [Bor63z] Max Born. Kritische Betrachtungen zur traditionellen Darstellung der Thermodynamik. (German) [Critical considerations on the traditional representation of thermodynamics]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63c], chapter 3, pages 161–176. LCCN ????. Reprinted from Physik. Zschr. **22**, 218–224, 249–254, 282–286 (1921).

Born:1963:MAa

- [Bor63-27] Max Born. Man and the atom. In Grodzins and Rabinowitch [GR63], pages 590–601. LCCN D842 .B78. Reprint of [Bor57b].

Born:1963:MKE

- [Bor63-28] Max Born. Max Karl Ernst Ludwig Planck 1858–1947. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 88, pages 626–646. LCCN ????. Reprinted from Obit. Notices Roy. Soc. **6**, 161–181 (1948).

Born:1963:QTP

- [Bor63-29] Max Born. On the quantum theory of pyroelectricity. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63c], chapter 37, pages 627–633. LCCN ????. Reprinted from Rev. Mod. Physics **17**, 245–251 (1945).

Born:1963:QTE

- [Bor63-30] Max Born. On the quantum theory of the electromagnetic field. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 73, pages 486–513. LCCN ????. Reprinted from Proc. Roy. Soc. **A 143**, 410–437 (1934).

Born:1963:SCLa

- [Bor63-31] Max Born. On the stability of crystal lattices I. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63c], chapter 33, pages 550–562. LCCN ????. Reprinted from Proc. Camb. Phil. Soc. **36**, 160–172 (1940).

Born:1963:SCLb

- [Bor63-32] Max Born. On the stability of crystal lattices IX. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63c], chapter 34,

pages 563–580. LCCN ????. See [Bor63i]. Reprinted from Proc. Camb. Phil. Soc. **38**, 82–99 (1942).

Born:1963:POT

- [Bor63-33] Max Born. Prof. Otto Toeplitz. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 82, pages 612–613. LCCN ????. Reprinted from Nature **145**, 617 (1940).

Born:1963:PHR

- [Bor63-34] Max Born. Professor Heinrich Rausch von Traubenberg. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 86, pages 623–624. LCCN ????. Reprinted from Nature **157**, 328 (1946).

Born:1963:PVM

- [Bor63-35] Max Born. Professor V. M. Goldschmidt, For.Mem.R.S. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 87, page 625. LCCN ????. Reprinted from Nature **159**, 701 (1947).

Born:1963:QSVb

- [Bor63-36] Max Born. Quantenmechanik der Stoßvorgänge. (German) [quantum mechanics of collision processes]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 57, pages 233–257. LCCN ????. Reprinted from Z. Physik / **38**, 803–827 (1926).

Born:1963:QSG

- [Bor63-37] Max Born. Quantenmechanik und Statistik. (German) [Quantum mechanics and statistics]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 60, pages 299–309. LCCN ????. Reprinted from Naturwiss. **15**, 238–242 (1927).

Born:1963:RNP

- [Bor63-38] Max Born. Reciprocity and the number 137, Part I. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 77, pages 579–582. LCCN ????. Reprinted from Proc. Roy. Soc. Edinb. **59**, 219–223 (1939).

Born:1963:SFS

- [Bor63-39] Max Born. Sir Francis Simon, F.R.S. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 91, pages 669–677. LCCN ????. Reprinted from Z. physik. Chemie N.F. **16**, Simon-Gedenkheft, pp. ix–xvii (1958).

Born:1963:SJJ

- [Bor63-40] Max Born. Sir J. J. Thomson, O.M., F.R.S. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 83, pages 614–619. LCCN ????. Reprinted from Proc. Physic. Soc. Lond. **53**, 305–310 (1941).

Born:1963:SBS

- [Bor63-41] Max Born. Sommerfeld als Begründer einer Schule. (German) [Sommerfeld as the founder of a school]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 80, pages 604–606. LCCN ????. Reprinted from Naturwiss. **16**, 1035–1036 (1928).

Born:1963:STR

- [Bor63-42] Max Born. Special Theory of Relativity. *Nature*, 197(4874):1287, March 30, 1963. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v197/n4874/pdf/1971287a0.pdf>.

Born:1963:SEL

- [Bor63-43] Max Born. Stabilität der elastischen Linie in Ebene und Raum. (German) [Stability of the elastic line in the plane and space]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63c], chapter 1, pages 1–104. LCCN ????. Reprinted from Preisschrift und Dissertation, Göttingen, Dieterichsche Universitäts Buchdruckerei Göttingen, 1906.

Born:1963:SMC

- [Bor63-44] Max Born. The statistical mechanics of condensing systems. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63c], chapter 45, pages 699–709. LCCN ????. Reprinted from Physica **4**, 1034–1044 (1937).

Born:1963:SUQ

- [Bor63-45] Max Born. A suggestion for unifying quantum theory and relativity. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 76, pages 560–578. LCCN ????. Reprinted from Proc. Roy. Soc. **A 165**, 291–303 (1938).

Born:1963:TIR

- [Bor63-46] Max Born. Theoretical investigations on the relation between crystal dynamics and X-ray scattering. In *Ausgewählte Abhandlungen.*

(German) [*Selected works*] [Bor63c], chapter 36, pages 587–626. LCCN ???? Reprinted from Rep. Progr. Physics **9**, 294–333 (1943).

Born:1963:TCL

- [Bor63-47] Max Born. The thermodynamics of crystal lattices. I. Discussion of the methods of calculation. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63c], chapter 35, pages 583–586. LCCN ???? Reprinted from Proc. Camb. Phil. Soc. **39**, 100–103 (1943).

Born:1963:TCM

- [Bor63-48] Max Born. Thermodynamics of crystals and melting. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63c], chapter 32, pages 537–549. LCCN ???? Reprinted from J. Chem. Physics **7**, 591–603 (1939).

Born:1963:BEI

- [Bor63-49] Max Born. Über die Beweglichkeit der elektrolytischen Ionen. (German) [On mobility of electrolytic ions]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63c], chapter 42, pages 665–693. LCCN ???? Reprinted from Z. Physik **1**, 221–249 (1920).

Born:1963:MBZ

- [Bor63-50] Max Born. Über die Maxwellsche Beziehung zwischen Brechungsindex und Dielektrizitätskonstante und über eine Methode zur Bestimmung der Ionenladung von Kristallen. (German) [On the Maxwellian relationship between refractive index and dielectric constant and on a method for determining the ionic charge of crystals]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63c], chapter 13, pages 307–316. LCCN ???? Reprinted from S. B. Preuß. Akad. Wiss. Berlin **1918**, 604–613.

Born:1963:NOA

- [Bor63-51] Max Born. Über die natürliche optische Aktivität von Flüssigkeiten und Gasen. (German) [On the natural optical activity of liquids and gases]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63c], chapter 41, pages 657–664. LCCN ???? Reprinted from Physik. Zschr. **16**, 251–258 (1915).

Born:1963:OAK

- [Bor63-52] Max Born. Über die optische Aktivität der Kristalle. (German) [On the optical activity of crystals]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63c], chapter 12, pages 294–

306. LCCN ????. Reprinted from Elster-Geitel-Festschrift, Vieweg, Braunschweig **1915**, S. 391–403.

Born:1963:UEZ

[Bor63-53] Max Born. Über die ultraroten Eigenschwingungen zweiatomiger Kristalle. (German) [On the infra-red natural frequencies of diatomic crystals]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63c], chapter 14, pages 317–326. LCCN ????. Reprinted from Physik. Zschr. **19**, 539–548 (1918).

Born:1963:DMN

[Bor63-54] Max Born. Über einen direkten mechanischen Nachweis des Dipolcharakters von Flüssigkeitsmolekeln. (German) [On a direct mechanical proof of the dipole character of liquid molecules]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63c], chapter 44, page 698. LCCN ????. Reprinted from Verh. Dtsch. Physik. Ges. **2**, 53 (1921).

Born:1963:EGG

[Bor63-55] Max Born. Über elektrostatische Gitterpotentiale. (German) [On electrostatic lattice potentials]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63c], chapter 26, pages 434–450. LCCN ????. Reprinted from Z.Physik **7**, 124–140 (1921).

Born:1963:QGQa

[Bor63-56] Max Born. Über Quantenmechanik. (German) [On quantum mechanics]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 50, pages 61–77. LCCN ????. Reprinted from Z. Physik **26**, 379–395 (1924).

Born:1963:VWS

[Bor63-57] Max Born. Verzeichnis der wissenschaftlichen Schriften von Max Born. (German) [List of scientific writings of Max Born]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], pages 695–?? LCCN ????. Mit einem Verzeichnis der wissenschaftlichen Schriften (German) [With a table of contents of scientific writings].

Born:1963:WBN

[Bor63-58] Max Born. Was bleibt noch zu hoffen?. (German) [What's left to hope for?]. *Universitas: Zeitschrift für interdisziplinäre Wissenschaft*, 18(4):337–346, ????. 1963. CODEN UNIVA8. ISSN 0041-9079.

Born:1963:QSVa

- [Bor63-59] Max Born. Zur Quantenmechanik der Stoßvorgänge. (German). [Toward a quantum mechanics of collision processes]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 56, pages 228–232. LCCN ????. Reprinted from *Z. Physik* **37**, 863–867 (1926).

Born:1963:QCK

- [Bor63-60] Max Born. Zur Quantentheorie der chemischen Kräfte. (German) [Toward the quantum theory of chemical forces]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 64, pages 370–781. LCCN ????. Reprinted from *Z. Physik* **64**, 729–740 (1930).

Born:1963:RDG

- [Bor63-61] Max Born. Zur Raumgittertheorie des Diamanten. (German) [Toward the space lattice theory of diamond]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63c], chapter 11, pages 256–293. LCCN ????. Reprinted from *Ann. Physik (4)* **44**, 605–642 (1914).

Born:1963:TKGb

- [Bor63-62] Max Born. Zur Theorie des Kernzerfalls. (German) [Toward the theory of nuclear disintegration]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 63, pages 354–369. LCCN ????. Reprinted from *Z. Physik* **58**, 306–321 (1929).

Born:1963:TKGa

- [Bor63-63] Max Born. Zur Thermodynamik der Kristallgitter. (German) [Toward a thermodynamics of crystal lattices]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63c], chapter 27, pages 451–482. LCCN ????. Reprinted from *Z. Physik* **7**, 217–248 (1921).

Born:1963:WSV

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Born:1964:MA

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Born:1964:REG

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Born:1964:MMB

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Born:1964:RMW

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Born:1964:SW

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Born:1964:SWG

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Born:1965:ETR

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Born:1965:EEG

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Born:1965:FAP

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Born:1965:OLE

- [Bor65d] Max Born. *Optik: Ein Lehrbuch der elektromagnetischen Lichttheorie. (German) [Optics: a textbook of the electromagnetic theory of light]*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., second edition, 1965. viii + 591 pp. LCCN ????

Born:1965:RTE

- [Bor65e] Max Born. Reciprocity theory of elementary particles. *Progress of Theoretical Physics (Osaka)*, ??(??):31–55, ????. 1965. CODEN ????. ISSN ????. Supplementary Number.

Born:1965:RMBa

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Born:1965:SWV

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Born:1966:SR

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Born:1966:OS

- [Bor66f] Max Born. Über Objektivität und Subjektivität. (German) [On objectivity and subjectivity]. In *Dialog des Abendlandes — Physik und Philosophie. (German) [Dialogue of the West — physics and philosophy]*, page ?? ???, München, Germany, 1966.

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Born:1967:MA

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Born:1967:QMa

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Born:1968:BFR

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Born:1969:BEB

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Born:1969:FIS

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Born:1970:PAD

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Born:1971:FAI

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Born:1972:OLE

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Born:1975:MLE

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Born:1977:QMC

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Born:2001:REG

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Born:2002:WRF

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Born:2007:MEL

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Born:1942:VTV

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Born:1944:QMFa

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Born:1963:QGM

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Born:1949:MMP

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- [BR95] H. C. Bolton and Alan Roberts. On the comparison of literary and scientific styles: The letters and articles of Max Born, F.R.S. *Notes and Records of the Royal Society of London*, 49(2):295–302, July 1995. CODEN NOREAY. ISSN 0035-9149 (print), 1743-0178 (electronic). URL <http://www.jstor.org/stable/pdfplus/532016.pdf>.

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Bredig:1973:BRB

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Brown:1968:CWS

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Brown:2006:CWS

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- [BS16] Max Born and F. Stumpf. Über anisotrope Flüssigkeiten. II. (German) [On anisotropic fluids. II]. *S. B. preuss. Akad. Wiss. Berlin*, ??(?):1043–1060, ??? 1916. CODEN ??? ISSN ???

Born:1919:OKI

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Born:1935:AFC

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Born:1941:ETV

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Born:1945:PZ

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Born:1948:TSG

- [BS48] Max Born and Kaj-Sia Seng. Zur Theorie der Supraleitfähigkeit. (German) [Toward a theory of superconductivity]. *Dokl. Akad. Nauk SSSR, n. Ser.*, 62(?):313–318, ??? 1948. CODEN ??? ISSN ???

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Born:1963:PZH

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