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Title word cross-reference

$1/r$ [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**
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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].

80th [Ano63, CS79b, Ros79].

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[BL11]. **Verlag** [Kle70c]. **Verleger** [Lin98]. **Vernunft** [Bor66c].

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[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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- [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

- [BGĪ90] M. Born, V. Geizenberg, and P. Īordan. 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 ZEPYAA. 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 1521-3889. 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 1521-3889. 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 1521-3889.

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 1521-3889.

Born:1955:SDM

- [BH55] Max Born and D. J. Hooton. Statistische Dynamik mehrfach periodischer Systeme. (German) [Statistical dynamics of multi-periodic 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 PRLAAZ. ISSN 0080-4630.

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 PRLAAZ. ISSN 0080-4630.

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. (Ger-

man) [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, envariance, 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 Ionenkrystalle. (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 Ionenkrystalle. (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 1963-01-1000. 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. Fís. Natur.*, 22 (84):375–391, 1998. CODEN 1998-01-1000. 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 kinematics 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 ???? ISSN ???? 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 ???? ISSN ????

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:KBTb

- [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:KBTc

- [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

- [Bor20l] 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

- [Bor44a] Max Born. Book review: Schrödinger: *Statistical thermodynamics*. *Nature*, 154(??):782–??, ???? 1944. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic).

Born:1944:BR Sb

- [Bor44b] Max Born. Book review: Schrödinger: *Statistical thermodynamics*. *Nature*, 157(??):825–??, ???? 1944. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic).

Born:1944:CPS

- [Bor44c] Max Born. Corrigenda to the paper “On the stability of crystal lattices. IX”. *Proceedings of the Cambridge Philosophical Society. Mathematical and physical sciences*, 40(3):262–263, November 1944. CODEN PCPSA4. ISSN 0008-1981. See [Bor42e].

Born:1944:RPP

- [Bor44d] Max Born. Recent progress in the physics of the solid state. *Coal Research*, ??(??):39–47, September 1944. CODEN ???? ISSN ????

Born:1944:ST

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Born:1944:UTP

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Born:1955:EWA

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Born:1958:BRU

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Born:1958:ES

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Born:1959:EHM

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Born:1959:EMV

- [Bor59c] Max Born. Erinnerungen an Max v. Laue's 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 Abhandlungen. (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 tra-

ditional 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. (Ger-*

man) [*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 Maxwellische 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 di-

atomic 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

- [Bor63-64] Max Born. Zur Wellenmechanik der Stoßvorgänge. (German) [Toward a wave mechanics of collision processes]. In *Ausgewählte Abhandlungen. (German) [Selected works]* [Bor63d], chapter 59, pages 284–298. LCCN ????. Reprinted from *Nachr. Ges. Wiss. Göttingen* **1926**, 146–160.

Born:1964:MA

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Born:1964:REG

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