A Complete Bibliography of Publications by, and about, Louis de Broglie

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254
FAX: +1 801 581 4148

E-mail: beebe@math.utah.edu, beebe@acm.org, beebe@computer.org (Internet)
WWW URL: https://www.math.utah.edu/~beebe/

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Title word cross-reference

/Herder [RFS$^+$91]. **/van** [Sch85a]. **/Vigier** [Sch85a]. **/Weisbuch** [RFS$^+$91].

0 [Eck09, Kar05, Lyn02, Sch07b]. **0-19-850027-0** [Lyn02]. **0-309-08998-0** [Kar05]. **0-393-05165-X** [Kar05]. **0-415-06588-7** [Dic96]. **0-521-31911-0** [Ble86, Sch85a]. **0-521-35404-8** [Dic96]. **0-521-48543-6** [Dic96].

1 [dBA71]. **1911** [LdB12, Som11, Bri54]. **1927** [Jäh10]. **1932** [For80]. **1933** [For80]. **1945** [dB45c, dB47b]. **1948** [Aug49]. **1949** [Aug49]. **1954/55** [dB55e]. **1955/56** [dB56a]. **1957/58** [dB58a]. **1960** [Wil61]. **1965** [Gar66, Str66]. **1968** [Lin69]. **1987** [Abr88]. **1re** [Ano71b, dBA71].

20th [FL09]. **23** [Som11]. **24e** [dB55e]. **24th** [dB55e]. **25** [Ble86]. **25e** [dB56a]. **25th** [dB56a]. **27e** [dB58a]. **27th** [dB58a]. **'29** [Enn87]. **2nd** [Str65].

30 [LdB12]. **31** [dB45c].

5 [Kle14]. **50-picometer** [Day09]. **50th** [PCR73]. **5ème** [dB28c]. **5th** [dB28c].

649 [Gru54].

7.80 [Deh36]. **75-letiju** [Suv67]. **75th** [Suv67].

90th [Cos85, Gud85]. **978** [Eck09, Kle14, Sch07b]. **978-0-19-536909-0** [Eck09]. **978-0-691-13968-5** [Kle14]. **978-0-7432-6473-0** [Sch07b].

A. [Gar66, WW97, Wer65]. **Abb** [Deh36]. **Abel** [B.36]. **abermals** [Haa34]. **Abragam** [Wer65]. **Abraham** [Kie06]. **Absolute** [For80, MS67]. **absorption** [dB20a, dB21b]. **Abstract** [Ber88]. **Académie** [Ano58b, Ano75, dB45c]. **Academy** [Ano75, Ano45, Ano58b]. **accord** [dB27k]. **accordera** [Ano73]. **according** [Cos01, Geo32]. **Account** [Dew23, Dic96, Gol94b, Hol93, Hol95]. **Achieve** [Lev96]. **acids** [dB25e]. **Acoustics** [MIS69]. **action** [Muc74, Siv11, dB48d]. **active** [Bil01]. **Activity** [CEC72, dB46d]. **Actualités** [Car35]. **actuel** [dB32e, dB37a]. **actuelle** [dB27h, dB63a]. **Additional** [dB50e, dB50f]. **Adiabatic** [dB76a]. **adiabatique** [dB76a]. **Advances** [BVH69, KS62, FS77, dB40c]. **adventures** [Fed08]. **adverses** [dB27d]. **Aerodynamics** [SCC$^+$65]. **affect** [dB50c]. **After** [Kae31, RY13, Kae48]. **again** [Pik77]. **age** [DT74, Van64]. **agitation** [Met38]. **Ago** [Bla02, Geh78]. **agreement** [Mei77]. **Aharonov** [BT09, BT10]. **aid** [GP72]. **aide** [dB53f, dB53g, dB53d]. **aimants** [dB49a]. **Aimé** [Ano53, dB53c]. **AIP** [Ano93, Lev93]. **air** [Géh33b]. **airwaves** [dB30e]. **Akademische** [Deh36]. **al** [Sch85a]. **Alamos** [Sch85c]. **Alan** [WW97]. **Albert** [For80, Kar05, L.58, BB71a, BB71b, Elb13, For80, Sch49a, Sch49b,

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[dB29a] Louis de Broglie. Déterminisme et causalité dans la physique contemporaine. (French) [Determinism and causality in contemporary physics]. *Revue de métaphysique et de morale*, 36(4):433–443, October/December 1929. ISSN 0035-1571 (print), 2102-5177 (electronic). URL `http://www.jstor.org/stable/40896722`.

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[dB29b] Louis de Broglie. *Einführung in die Wellenmechanik. (German) [Introduction to wave mechanics]*. Akademische Verlagsgesellschaft, Leipzig, Germany, 1929. iv + 221 pp. Translation to German by Rudolf Peierls. See [Pei85, pages 40–41] for the story of the translation experience, and how de Broglie's views later changed. The German translation appeared before the French original was in print, because French publishers viewed the material as too speculative. Their views changed after de Broglie received the Nobel Prize in Physics for 1929 "for his discovery of the wave nature of electrons".

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[dB29c] Louis de Broglie. La crise récente de l'optique ondulatoire. (French) [The recent crisis of wave optics]. *Revue Scientifique*, 67(12):353–360, ???? 1929. ISSN 0370-4556. Lecture given at the Conservatoire des Arts et Métiers, 17 April 1929.

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[dB30b] Louis de Broglie. *An introduction to the study of wave mechanics*. Dutton, London, UK, 1930. vi + 249 + 14 pp. Translation to English by H. T. Flint.

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[dB30c] Louis de Broglie. Ondes et corpuscules dans la physique moderne. (French) [Waves and corpuscles in modern physics]. *Revue générale des Sciences*, 41(4):101–108, 1930. Lecture given at the Conservatoire des Arts et Métiers under the presidency of M. Paul Painlevé, 26 January 1930.

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[dB30e] Louis de Broglie. *Recueil d'exposés sur les ondes et corpuscules. (French) [Collection of presentations on airwaves and corpuscles]*. Hermann, Paris, France, 1930. 80 pp.

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[dB32e] Louis de Broglie. L'état actuel de la théorie électromagnetique. (French) [The current state of electromagnetic theory]. Report to the Congrés international d'électricité, Paris, France., 1932.

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[dB32f] Louis de Broglie. Remarques sur le moment magnétique et le moment de rotation de l'électron. (French) [Remarks on the electron's magnetic moment and moment of rotation]. *Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences*, 195 (??):577–??, ???? 1932. CODEN COREAF. ISSN 0001-4036 (print), 2419-6304 (electronic).

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[dB32g] Louis de Broglie. Remarques sur les intégrales premières de la mécanique ondulatoire. (French) [Remarks on the first integrals of wave mechanics]. *Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences*, 194(??):693–??, ???? 1932. CODEN COREAF. ISSN 0001-4036 (print), 2419-6304 (electronic).

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[dB32h] Louis de Broglie. Remarques sur les intégrales premières en mécanique ondulatoire. (French) [Remarks on the first integrals in wave mechanics]. *Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences*, 194(??):693–??, ???? 1932. CODEN COREAF. ISSN 0001-4036 (print), 2419-6304 (electronic).

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[dB32j] Louis de Broglie. Sur le champ électromagnétique de l'onde lumineuse. (French) [On the electromagnetic field of the light wave]. *Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences*, 195(??):862–??, ???? 1932. CODEN COREAF. ISSN 0001-4036 (print), 2419-6304 (electronic).

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[dB32l] Louis de Broglie. Sur une analogie entre l'électron de Dirac et l'onde électromagnétique. (French) [On an analogy between Dirac's electron and the electromagnetic wave]. *Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences*, 195 (??):536–??, ???? 1932. CODEN COREAF. ISSN 0001-4036 (print), 2419-6304 (electronic).

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[dB32m] Louis de Broglie. *Sur une forme plus restrictive des relations d'incertitude d'après MM. Landau et Peierls. (French) [On a more restrictive form of the uncertainty relations (MM. Landau and Peierls)]*. Number 31 in Actualités scientifiques et industrielles. ????, ????, 1932. 24 pp. Exposés de physiques théorique I.

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[dB33c] Louis de Broglie. Relativité et quanta. (French) [Relativity and quanta]. *Revue de métaphysique et de morale*, 40(3):269–279, 1933. ISSN 0035-1571 (print), 2102-5177 (electronic). URL `http://www.jstor.org/stable/40897161`.

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[dB33d] Louis de Broglie. Sur la densité de l'énergie dans la théorie de la lumiére. (French) [On energy density in the theory of light]. *Comptes Rendus Hebdomadaires des Séances de l'Académie des*

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[dB33e] Louis de Broglie. Un nouveau type de corpuscule, le neutron. (French) [A new type of particle, the neutron]. *Revue Questions scient. (4)*, 23:23–32, 1933. ISSN 0035-2160.

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[dB34a] Louis de Broglie. Coup d'œil sur l'histoire de l'optique. (French) [A look at the history of the optics]. *Thalès*, 1:3–8, 1934. ISSN 0398-7817. URL `http://www.jstor.org/stable/43861140`.

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[dB34b] Louis de Broglie. *L'électron magnétique (théorie de Dirac). (French) [The magnetic electron (Dirac theory)]*. Hermann, Paris, France, 1934. viii + 315 pp. LCCN ???? URL `http://hooke.lib.cam.ac.uk/cgi-bin/bib_seek.cgi?cat=ul&bib=4782869`.

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[dB34d] Louis de Broglie. Les idées nouvelles introduites par la mécanique quantique. (French) [New ideas introduced by quantum mechanics]. *L'Enseignement mathématique*, 32:137–150, 1934. CODEN ENMAAR. ISSN 0013-8584 (print), 2309-4672 (electronic).

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[dB34e] Louis de Broglie. *A New Conception of Light*, volume 181 of *Actualités Scientifiques et Industrielles*. Hermann, Paris, France, 1934. 32 pp. LCCN ???? URL `http://neo-classical-physics.info/uploads/3/0/6/5/3065888/de_broglie_-_new_conception_of_light.pdf`. Translated by D. H. Delphenich.

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[dB34j] Louis de Broglie. Une nouvelle conception de la lumière. (exposés de physique théorique, xiii). (French) [A new conception of light. (Presentations of theoretical physics, xiii)]. *Actualités Scientifiques et Industrielles*, 181:48–??, 1934.

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[dB34k] Louis de Broglie. *Une nouvelle conception de la lumière. (French) [A new conception of light]*, volume 13. Hermann, Paris, France, 1934. ?? pp. LCCN ????

deBroglie:1934:VAP

[dB34l] Louis de Broglie. Vois anciennes et perspectíves nouvelles en théorie de lumière. (French) [Old views and new perspectives on the theory of light]. *Revue de métaphysique et de morale*, 41(4): 445–457, 1934. ISSN 0035-1571 (print), 2102-5177 (electronic). URL `http://www.jstor.org/stable/40897320`.

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deBroglie:1935:NGD

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deBroglie:1935:RIE

[dB35d] Louis de Broglie. Une remarque sur l'interaction entre la matière et le champ électromagnétique. (French) [A remark on the interaction between matter and the electromagnetic field]. *Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences*, 200(??):361–??, ???? 1935. CODEN COREAF. ISSN 0001-4036 (print), 2419-6304 (electronic).

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[dB36b] Louis de Broglie. La variance relativiste du moment cinétique d'un corps en rotation. (French) [The relativistic variance of the angular momentum of a rotating body]. *Journal de Mathématiques Pures et Appliquées*, 15:89–95, 1936. CODEN JMPAAM. ISSN 0021-7824 (print), 1776-3371 (electronic).

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[dB36d] Louis de Broglie. *Nouvelles recherches sur la lumière. (French) [New research on light]*, volume 20. Hermann, Paris, France, 1936. ???? pp.

deBroglie:1936:NRT

[dB36e] Louis de Broglie. *Nouvelles recherches sur la théorie de la lumière. (French) [New research on the theory of light]*, volume 411 of *Actual. sci. industr.* ????, ????, 1936. 54 pp.

deBroglie:1936:RDS

[dB36f] Louis de Broglie. Réflexions sur les deux sortes d'électricité. (French) [Reflections on the two kinds of electricity]. *Revue de métaphysique et de morale*, 43(2):173–185, 1936. ISSN 0035-1571 (print), 2102-5177 (electronic). URL `http://www.jstor.org/stable/40897833`.

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[dB37a] Louis de Broglie. État actuel de nos connaissances sur la structure de l'électricité. (French) [Current state of knowledge of the structure of electricity]. *Nuovo Cimento*, 14(9):??, November 1937.

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[dB37b] Louis de Broglie. Individualité et interaction dans le monde physique. (French) [Individuality and interaction in the physical world]. *Revue de métaphysique et de morale*, 44(2):353–368, 1937. ISSN 0035-1571 (print), 2102-5177 (electronic). URL `http://www.jstor.org/stable/40897962`.

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[dB37c] Louis de Broglie. *La physique nouvelle et les quanta. (French) [The new physics and quanta]*. Bibliothèque de philosophie scientifique, dirigée par Paul Gaultier. Flammarion fils, Paris, France, 1937. 312 pp.

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[dB37d] Louis de Broglie. La quantification des champs dans la théorie du photon. (French) [The quantification of fields in photon theory]. *Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences*, 205(??):345–??, ???? 1937. CODEN COREAF. ISSN 0001-4036 (print), 2419-6304 (electronic).

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[dB37f] Louis de Broglie. L'invention dans les sciences théoriques. (French) [Invention in the theoretical sciences]. *Sciences (Paris)*, 2(14):??, June 1937.

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[dB37g] Louis de Broglie. *Matière et lumière. (French) [Matter and Light]*. Albin Michel, Paris, France, 1937. ???? pp.

deBroglie:1937:ESS

[dB37h] Louis de Broglie. Un exemple des synthèses successives de la physique: les théories de la lumière. (French) [An example of the successive syntheses of physics: theories of light]. *Revue des Questions Scientifiques*, ??(??):361–381, ???? 20, 1937. CODEN RQSCAN. ISSN 0398-7817. URL `http://www.jstor.org/stable/43861525`. Reprint of [dB35c].

deBroglie:1938:PCIa

[dB38a] L. de Broglie. *Le principe de correspondance et les interactions entre la matière et le rayonnement. (French) [The principle of correspondence and interactions between matter and radiation]*, volume 704 of *Actual. sci. industr.* ????, ????, 1938. 170 pp.

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[dB38b] Louis de Broglie. *Le principe de correspondance et les interactions entre la matière et le rayonnement. (French) [The principle of correspondence and the interactions between matter and radiation]*. Hermann, Paris, France, 1938. 704–?? pp.

deBroglie:1938:PPP

[dB38c] Louis de Broglie. Physique ponctuelle et physique du champ. (French) [Point physics and field physics]. *Revue de métaphysique et de morale*, 45(3):325–338, 1938. ISSN 0035-1571 (print), 2102-5177 (electronic). URL `http://www.jstor.org/stable/40898762`.

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[dB39a] Louis de Broglie. *La mécanique ondulatoire des systèmes de corpuscules. (French) [The wave mechanics of particle systems]*, volume 5 of *Collection de physique mathématique*. Gauthier-Villars, Paris, France, 1939. vi + 223 pp.

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[dB39c] Louis de Broglie. *Licht und Materie. Ergebnisse der neuen Physik. (German) [Light and matter. Results of the new physics]*. H. Goverts-Verlag, Hamburg, Germany, 1939. 331 + 3 pp.

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[dB39d] Louis de Broglie. *Matter and light*. W. W. Norton & Co., New York, NY, USA, 1939. 300 pp. Translation to English by W. H. Johnston.

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[dB39e] Louis de Broglie. *Mécanique ondulatoire des systèmes de corpuscules de physique mathématique. (French) [Wave mechanics of particles in mathematical physics]*. Gauthier-Villars, Paris, France, 1939. vi + 224 pp.

deBroglie:1939:TPS

[dB39f] Louis de Broglie. Sur la théorie des particules de spin quelconque. (French) [On the theory of arbitrary-spin particles]. *Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences*, 209 (??), ???? 1939. CODEN COREAF. ISSN 0001-4036 (print), 2419-6304 (electronic).

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[dB40a] Louis de Broglie. Champs réels et champs complexes en théorie électromagnétique quantique du rayonnement. (French) [Real fields and complex fields in electromagnetic quantum theory of radiation]. *Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences*, 211(??):41–??, ???? 1940. CODEN COREAF. ISSN 0001-4036 (print), 2419-6304 (electronic).

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[dB40b] Louis de Broglie. *La mécanique ondulatoire du photon. Une nouvelle théorie de la lumière. I. (French) [The wave mechanics of the photon. A new theory of light. I]*. Gauthier-Villars, Paris, France, 1940. 281 pp.

deBroglie:1940:RPT

[dB40c] Louis de Broglie. Récents progrès dans la théorie des photons et autres particules. (French) [Recent advances in the theory of photons and other particles]. *Revue de métaphysique et de morale*, 47(1):1–16, 1940. ISSN 0035-1571 (print), 2102-5177 (electronic). URL http://www.jstor.org/stable/40898475.

deBroglie:1940:NTL

[dB40d] Louis de Broglie. *Une nouvelle théorie de la lumière, la mécanique ondulatoire du photon. Tome I. La lumière dans le vide. (French) [A new theory of light, the wave mechanics of the photon. Volume I. Light in the vacuum]*. Hermann, Paris, France, 1940. ???? pp.

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[dB41a] Louis de Broglie. *Continu et discontinu en physique moderne. (French) [Continuous and discontinuous in modern physics]*. Sci. d'aujourd'hui. Albin Michel, Paris, France, 1941. 268 pp.

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[dB41b] Louis de Broglie. *L'avenir de la physique dans l'avenir de la science. (French) [The Future of Physics in the Future of Science]*.

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[dB41c] Louis de Broglie. Les conceptions de la physique contemporaine et les idées de Bergson sur le temps et sur le mouvement. (French) [Conceptions of contemporary physics and Bergson's ideas on time and movement]. *Revue de métaphysique et de morale*, 48 (4):241–257, October 1941. ISSN 0035-1571 (print), 2102-5177 (electronic). URL `http://www.jstor.org/stable/40898604`.

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[dB41d] Louis de Broglie. *Problèmes de Propagations Guidées des Ondes Électromagnétiques. (French) [Problems of guided propagation of electromagnetic waves]*. Gauthier-Villars, Paris, France, 1941. vi + 114 + 14 pp.

deBroglie:1941:SPD

[dB41e] Louis de Broglie. Souvenirs personnels sur les débuts de la mécanique ondulatoire. (French) [Personal memories of the start of wave mechanics]. *Revue de métaphysique et de morale*, 48(1): 1–23, 1941. ISSN 0035-1571 (print), 2102-5177 (electronic). URL `http://www.jstor.org/stable/40898568`.

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[dB41f] Louis de Broglie. Sur l'interprétation de certaines équations dans la théorie des particules de spin 2. (French) [On the interpretation of some equations in the theory of particles of spin 2]. *Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences*, 212(??):657–??, ???? 1941. CODEN COREAF. ISSN 0001-4036 (print), 2419-6304 (electronic).

deBroglie:1942:MOD

[dB42a] Louis de Broglie. *La mécanique ondulatoire du photon. Une nouvelle théorie de la lumière. II. Les interactions entre les photons et la matière. (French) [Wave mechanics of the photon. A new theory of light. II. Interactions between photons and matter]*. Hermann, Paris, France, 1942. 150 pp.

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