A Selected Bibliography of Publications by, and about, Lord Ernest Rutherford of Nelson

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[Ano20a] Anonymous. Physics at the British Association. *Nature*, 106(2663):357–358, November 11, 1920. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL http://www.nature.com/nature/journal/v106/n2663/pdf/106357a0.pdf. From this meeting report: "The results thus show that the elements may be considered as being composed of these hydrogen nuclei, or 'protons' as Sir Ernest Rutherford would have us call them, ..." It is believed that this is the first published mention of the word proton.

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[Ano22] Anonymous. Way to transmute elements is found: Dream of scientists for a thousand years achieved by Dr. Rutherford. new age, says Richardson. Remarkable result of bombarding nitrogen gas with the alpha rays of radium. Result of a chemical collision. Dr. Kendall on Rutherford. results of the discovery. energy of high power. *New York Times*, ??(??):34, January 8, 1922. CODEN NYTIAO. ISSN 0362-4331 (print), 1542-667X, 1553-8095. URL http://search.proquest.com/hnpnewyorktimes/docview/100061168/.

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Anonymous:1923:PES

[Ano23b] Anonymous. Pictures electrons speeding in atom: Sir Ernest Rutherford says some whirl around at rate of 93,000 miles a second. He doubts atomic power. Sees no prospect of releasing immense stores of energy by rapid disintegration. Praises applied research. New President of British Association recognizes no distinction in favor of pure science. *New York Times*, ??(??):3, September 13, 1923. CODEN NYTIAO. ISSN 0362-4331 (print), 1542-667X, 1553-8095. URL http://search.proquest.com/hnpnewyorktimes/docview/103179172.

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[Ano32b] Anonymous. Atom torn apart, yielding 60% more energy than used. But two British scientists succeed only once in each 10,000,000 bombarded. Battered with protons. Hydrogen atoms are thus transmuted into helium — conservation theory seen upset. Tests made for 3 years. Dr. J. D. Cockcroft and Dr. E. T. S. Walton of Cavendish Laboratory, Cambridge explain work. *New York Times*, ??(??):1, May 2, 1932. CODEN NYTIAO. ISSN 0362-4331 (print), 1542-667X, 1553-8095. URL `http://search.proquest.com/hnpnewyorktimes/docview/99718000/`.

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[Ano32c] Anonymous. Science's greatest discovery. The atom split at 100,000 volts. Secret of Cambridge Laboratory. Making a new world. Energy without limit. *Reynold's Illustrated News*, ??(4):261, May 1, 1932.

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[Ano33a] Anonymous. Atom-powered world absurd, scientists told. *New York Herald Tribune*, ??(??):1, 37, September 12, 1933.

Anonymous:1933:BAB

[Ano33b] Anonymous. The British Association: Breaking down the atom: Transformation of the elements. *The Times [London,* *UK]*, ??(??):6, September 12, 1933. ISSN 0140-0460, 0956-1382.

Anonymous:1933:BAS

[Ano33c] Anonymous. The British Association. Some of the papers. Transmutation of atoms. Kelvin to Rutherford. *Manchester Guardian*, ??(??):9–10, September 6, 1933. CODEN ???? ISSN 0307-756X. URL http://pqasb.pqarchiver.com/guardian/doc/483467389.html.

Anonymous:1933:TAL

[Ano33d] Anonymous. Transmutation of the atom. Lord Rutherford's review of a quarter of a century's progress. A popular belief exploded. *Manchester Guardian*, ??(??):12, September 12, 1933. CODEN ???? ISSN 0307-756X. URL http://pqasb.pqarchiver.com/guardian/doc/483537140.html.

Anonymous:1936:AKS

[Ano36a] Anonymous. Award of the T. K. Sidey Summer-time Medal and Prize [to Lord Rutherford of Nelson, O.M., D.Sc., F.R.S., F.R.S.N.Z., in 1933]. *Transactions and Proceedings of the Royal Society of New Zealand*, 65:??, 1936. CODEN TRNZAS. ISSN 0035-9181. URL https://natlib.govt.nz/records/1060593.

Anonymous:1936:RLE

[Ano36b] Anonymous. [Reprint of letters from Ernest Rutherford to his mother]. *The Taranaki Herald [New Zealand]*, ??(??):??, ???? 1936.

Anonymous:1937:ABR

[Ano37a] Anonymous. Abbey burial for Rutherford. *New York Times*, ??(??):24, October 21, 1937. CODEN NYTIAO. ISSN 0362-4331 (print), 1542-667X, 1553-8095. URL http://search.proquest.com/hnpnewyorktimes/docview/102141852.

Anonymous:1937:DLRc

[Ano37b] Anonymous. Death of Lord Rutherford. *The Times [London, UK]*, ??(??):7, October 20, 1937. ISSN 0140-0460, 0956-1382.

Anonymous:1937:DLRb

[Ano37c] Anonymous. Death of Lord Rutherford. A great scientist. collapse after operation. *Manchester Guardian*, ??(??):11, October 20, 1937. CODEN ???? ISSN 0307-756X. URL http://pqasb.pqarchiver.com/guardian/doc/484341394.html.

Anonymous:1937:DLRa

[Ano37d] Anonymous. Death of Lord Rutherford. Greatest experimental scientist since Faraday. The splitting of the atom. *Manchester Guardian*, ??(??):7, October 20, 1937. CODEN ???? ISSN 0307-756X. URL http://pqasb.pqarchiver.com/guardian/doc/484289240.html.

Anonymous:1937:FLR

[Ano37e] Anonymous. The funeral of Lord Rutherford. *Nature*, 140 (3548):754, October 30, 1937. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL http://www.nature.com/nature/journal/v140/n3548/abs/140754a0.html.

Anonymous:1937:LRa

[Ano37f] Anonymous. Lord Rutherford. *Manchester Guardian*, ??(??):10, October 20, 1937. CODEN ???? ISSN 0307-756X. URL http://pqasb.pqarchiver.com/guardian/doc/484312284.html.

Anonymous:1937:LRb

[Ano37g] Anonymous. Lord Rutherford. *New York Times*, ??(??):22, October 21, 1937. CODEN NYTIAO. ISSN 0362-4331 (print), 1542-667X, 1553-8095. URL http://search.proquest.com/hnpnewyorktimes/docview/102068592.

Anonymous:1937:LRM

[Ano37h] Anonymous. Lord Rutherford, O.M., F.R.S. *Nature*, 140 (3547):717, October 23, 1937. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL http://www.nature.com/nature/journal/v140/n3547/pdf/140717a0.pdf.

Anonymous:1937:LRP

[Ano37i] Anonymous. Lord Rutherford, physicist, is dead: British Nobel Prize winner, 66, famous as atom-smasher, dies after operation. High tributes are paid. Transmutation of elements was by-product of work in radioactive field. *New York Times*, ??(??):1, October 20, 1937. CODEN NYTIAO. ISSN 0362-4331 (print), 1542-667X, 1553-8095. URL http://search.proquest.com/hnpnewyorktimes/docview/102092451.

Anonymous:1937:NPT

[Ano37j] Anonymous. Nations pay tribute at Rutherford rites: King also represented at funeral in Westminster Abbey for famous physicist. *New York Times*, ??(??):23, October 26, 1937. CODEN NYTIAO. ISSN 0362-4331 (print), 1542-667X, 1553-8095. URL http://search.proquest.com/hnpnewyorktimes/docview/102179037.

Anonymous:1937:SLR

[Ano37k] Anonymous. Soviet and Lord Rutherford: Scientists to honour his memory. *Manchester Guardian*, ??(??):24, November 14, 1937. CODEN ???? ISSN 0307-756X. URL http://pqasb.pqarchiver.com/guardian/doc/481627301.html.

Anonymous:1937:STL

[Ano37l] Anonymous. Soviet tribute [to] Late Lord Rutherford. Gathering in Moscow. *New Zealand Herald*, 74(22905):15, December 7, 1937. URL http://paperspast.natlib.govt.nz/cgi-bin/paperspast?a=d&cl=search&d=NZH19371207.2.170.

Anonymous:1938:DTL

[Ano38a] Anonymous. Dominion tributes to Lord Rutherford. *Nature*, 141(3575):841–842, May 7, 1938. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL http://www.nature.com/nature/journal/v141/n3575/pdf/141841a0.pdf.

Anonymous:1938:LRL

[Ano38b] Anonymous. Lord Rutherford likened to Newton: Jeans, reading last speech of late scientist, hails him at Calcutta Congress. Puts him above Faraday. Address, written for meeting, calls on India to foster agricultural research. *New York Times*, ??(??):21, January 4, 1938. CODEN NYTIAO. ISSN 0362-4331 (print), 1542-667X, 1553-8095. URL http://search.proquest.com/hnpnewyorktimes/docview/102745232.

Anonymous:1938:OLR

[Ano38c] Anonymous. [Obituary: Lord Rutherford]. *Proceedings of the Physical Society, London*, 50(3):441–466, May 2, 1938. CODEN PPSOAU. ISSN 0959-5309 (print), 2051-2171 (electronic). URL http://iopscience.iop.org/0959-5309/50/3.

Anonymous:1945:MWK

[Ano45] Anonymous. Mr. W. Kay: 51 years as laboratory steward. *Manchester Guardian*, ??(??):6–??, December 27, 1945. ISSN 0307-756X.

Anonymous:1945:AKS

[Ano46a] Anonymous. Award of the T. K. Sidey Summer-Time Medal and Prize [to Lord Rutherford of Nelson, O.M., D.Sc., F.R.S., F.R.S.N.Z., in 1933]. *Transactions and Proceedings of the Royal Society of New Zealand*, 75:482, 1945–1946. CODEN TRNZAS. ISSN 0035-9181. URL `http://rsnz.natlib.govt.nz/volume/rsnz_75/rsnz_75_04_005710.html`; `https://natlib.govt.nz/records/1039422`.

Anonymous:1946:LR

[Ano46b] Anonymous. Lord Rutherford. *Notes and Records of the Royal Society of London*, 4(1):103–108, April 1946. CODEN NOREAY. ISSN 0035-9149 (print), 1743-0178 (electronic). URL `http://www.jstor.org/stable/531246`. Transcript of a BBC radio talk on 16 December 1945 by Sir Henry Tizard about Lord Rutherford.

Anonymous:1948:RCP

[Ano48] Anonymous. Rutherford Commemoration, Paris, 7 and 8 November 1947. *Notes and Records of the Royal Society of London*, 6(1):67–68, December 1, 1948. CODEN NOREAY. ISSN 0035-9149 (print), 1743-0178 (electronic). URL `http://rsnr.royalsocietypublishing.org/content/6/1/67`.

Anonymous:1950:FQL

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[Rut23d] Ernest Rutherford. Atomic projectiles and their properties. *Engineering (London, UK)*, 115(??):338–340, March 1923. CODEN ENGNA2. ISSN 0013-7782.

Rutherford:1923:APTe

[Rut23e] Ernest Rutherford. Atomic projectiles and their properties. *Engineering (London, UK)*, 115(??):358–359, March 1923. CODEN ENGNA2. ISSN 0013-7782.

Rutherford:1923:APTf

[Rut23f] Ernest Rutherford. Atomic projectiles and their properties. *Engineering (London, UK)*, 115(??):798–800, June 1923. CODEN ENGNA2. ISSN 0013-7782.

Rutherford:1923:APTg

[Rut23g] Ernest Rutherford. Atomic projectiles and their properties. *The Electrician: the Oldest Weekly Illustrated Journal of Electrical Engineering, Industry, Science and Finance*, 90 (??):366–367, April 1923. CODEN ELETAU. ISSN 0367-0805.

Rutherford:1923:APTh

[Rut23h] Ernest Rutherford. Atomic projectiles and their properties. *The Electrician: the Oldest Weekly Illustrated Journal of Electrical Engineering, Industry, Science and Finance*, 91 (??):60–61, July 1923. CODEN ELETAU. ISSN 0367-0805.

Rutherford:1923:APTi

[Rut23i] Ernest Rutherford. Atomic projectiles and their properties. *The Electrician: the Oldest Weekly Illustrated Journal of Electrical Engineering, Industry, Science and Finance*, 91 (??):120–121, August 1923. CODEN ELETAU. ISSN 0367-0805.

Rutherford:1923:APTj

[Rut23j] Ernest Rutherford. Atomic projectiles and their properties. *The Electrician: the Oldest Weekly Illustrated Journal of*

Electrical Engineering, Industry, Science and Finance, 91 (??):144–145, August 1923. CODEN ELETAU. ISSN 0367-0805.

Rutherford:1923:CLE

[Rut23k] Ernest Rutherford. Capture and loss of electrons by alpha particles. *Proceedings of the Cambridge Philosophical Society. Mathematical and physical sciences*, 21(??):504–510, ???? 1923. CODEN PCPSA4. ISSN 0008-1981.

Rutherford:1923:ESMa

[Rut23l] Ernest Rutherford. The electrical structure of matter. *Nature*, 112(2811):409–419, September 15, 1923. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL `http://www.nature.com/nature/journal/v112/n2811/pdf/112409a0.pdf`.

Rutherford:1923:LHPa

[Rut23m] Ernest Rutherford. Life-history of an α particle. *Engineering (London, UK)*, 115(??):769–770, ???? 1923. CODEN ENGNA2. ISSN 0013-7782.

Rutherford:1923:LHPb

[Rut23n] Ernest Rutherford. The life history of an α-particle. *Nature*, 112(2808):305–312, August 25, 1923. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL `http://www.nature.com/nature/journal/v112/n2808/pdf/112305a0.pdf`.

Rutherford:1923:LP

[Rut23o] Ernest Rutherford. The life of an α-particle. *The Electrician: the Oldest Weekly Illustrated Journal of Electrical Engineering, Industry, Science and Finance*, 91(??):194–195, ???? 1923. CODEN ELETAU. ISSN 0367-0805.

Rutherford:1923:PAB

[Rut23p] Ernest Rutherford. Presidential address: British Association for the Advancement of Science. *Bulletin of the American Association of University Professors*, 9(8):58–60, December 1923. CODEN ???? ISSN 0883-1610 (print), 2330-5908 (electronic).

Rutherford:1923:ESMc

[Rut23q] Professor Sir Ernest Rutherford. The electrical structure of matter. *Journal of the Society of Chemical Industry, London*, 42(37):874–882, September 14, 1923. CODEN JSCIAN. ISSN 0368-4075. URL http://onlinelibrary.wiley.com/doi/10.1002/jctb.5000423703/abstract.

Rutherford:1923:ESMb

[Rut23r] Sir Ernest Rutherford. The electrical structure of matter. *Science*, 58(1499):209–221, September 21, 1923. CODEN SCIEAS. ISSN 0036-8075 (print), 1095-9203 (electronic). URL http://adsabs.harvard.edu/abs/1923Sci....58..209R; http://www.sciencemag.org/content/58/1499/209.

Rutherford:1923:PAE

[Rut23s] Professor Sir Ernest Rutherford, D.Sc., LL.D., Ph.D., F.R.S. Presidential address: The electrical structure of matter. *British Association for the Advancement of Science, Report*, ??(??):1–24, ???? 1923. CODEN BAASAX. ISSN 0365-8694. URL http://biodiversitylibrary.org/page/30498814. Report of the 91st meeting, Liverpool, September 12–19, 1923.

Rutherford:1924:ESMa

[Rut24a] Ernest Rutherford. Die elektrische Struktur der Materie. (German) [The electrical structure of matter]. *Naturwissenschaften*, 12(1):1–14, January 1924. CODEN NATWAY. ISSN 0028-1042 (print), 1432-1904 (electronic). URL http://adsabs.harvard.edu/abs/1924NW.....12....1R.

Rutherford:1924:ESMb

[Rut24b] Ernest Rutherford. Die elektrische Struktur der Materie. (German) [The electrical structure of matter]. *Strahlentherapie*, 16(??):883–913, ???? 1924.

Rutherford:1924:EDR

[Rut24c] Ernest Rutherford. Early days of radioactivity. *Journal of The Franklin Institute*, 198(3):281–290, September 1924. CODEN JFINAB. ISSN 0016-0032 (print), 1879-2693 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0016003224903462.

Rutherford:1924:NA

[Rut24d] Ernest Rutherford. The nucleus of the atom. *Engineering (London, UK)*, 117(??):458–459, April 1924. CODEN ENGNA2. ISSN 0013-7782.

Rutherford:1924:PGHa

[Rut24e] Ernest Rutherford. Properties of gases in high and low vacua. *Engineering (London, UK)*, 117(??):330, March 1924. CODEN ENGNA2. ISSN 0013-7782.

Rutherford:1924:PGHb

[Rut24f] Ernest Rutherford. Properties of gases in high and low vacua. *Engineering (London, UK)*, 117(??):365–366, March 1924. CODEN ENGNA2. ISSN 0013-7782.

Rutherford:1924:PGHc

[Rut24g] Ernest Rutherford. Properties of gases in high and low vacua. *Engineering (London, UK)*, 117(??):387, March 1924. CODEN ENGNA2. ISSN 0013-7782.

Rutherford:1924:PGHd

[Rut24h] Ernest Rutherford. Properties of gases in high and low vacua. *Engineering (London, UK)*, 117(??):429, March 1924. CODEN ENGNA2. ISSN 0013-7782.

Rutherford:1924:EAC

[Rut24i] Sir Ernest Rutherford. The energy in the atom: Can man utilize it? *Popular Science Narratives*, 2(??):109–111, ???? 1924.

Rutherford:1924:LHA

[Rut24j] Sir Ernest Rutherford. Life history of an alpha particle from radium. *The Scientific Monthly*, 18(4):337–353, April 1924. CODEN SCMOAA. ISSN 0096-3771 (print), 2327-7513 (electronic). URL `http://adsabs.harvard.edu/abs/1924SciMo..18..337R`; `http://www.jstor.org/stable/7283`.

Rutherford:1924:NADb

[Rut24k] Professor Sir Ernest Rutherford, F.R.S. The natural and artificial disintegration of the elements. *The Scientific Monthly*, 19(6):561–578, December 1924. CODEN SCMOAA. ISSN 0096-3771 (print), 2327-7513 (electronic).

URL http://adsabs.harvard.edu/abs/1924SciMo..19..561R; http://www.jstor.org/stable/7231.

Rutherford:1924:XCL

[Rut24l] Professor Sir Ernest Rutherford, F.R.S. XXIV. The capture and loss of electrons by α particles. *Philosophical Magazine (6)*, 47(278):277–303, February 1924. CODEN PHMAA4. ISSN 1941-5982 (print), 1941-5990 (electronic). URL http://www.tandfonline.com/doi/abs/10.1080/14786442408634367.

Rutherford:1924:NADa

[Rut24m] Sir Ernest Rutherford, Kt., D.Sc., LL.D., Ph.D., D.Phys., F.R.S. The natural and artificial disintegration of the elements. *Journal of The Franklin Institute*, 198(6):725–744, December 1924. CODEN JFINAB. ISSN 0016-0032 (print), 1879-2693 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0016003224904510.

Rutherford:1925:DAN

[Rut25a] Ernest Rutherford. Disintegration of atomic nuclei. *Nature*, 115(2892):493–494, April 4, 1925. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL http://www.nature.com/nature/journal/v115/n2892/pdf/115493a0.pdf.

Rutherford:1925:EM

[Rut25b] Ernest Rutherford. Electricity and matter. *The Scientific Monthly*, 20(2):121–128, February 1925. CODEN SCMOAA. ISSN 0096-3771 (print), 2327-7513 (electronic). URL http://www.jstor.org/stable/7117.

Rutherford:1925:MWX

[Rut25c] Ernest Rutherford. Moseley's work on X-rays. *Nature*, 116(2913):316–317, August 29, 1925. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL http://www.nature.com/nature/journal/v116/n2913/pdf/116316a0.pdf.

Rutherford:1925:SAa

[Rut25d] Ernest Rutherford. The stability of atoms. *Discovery: The Popular Journal of Knowledge*, 6(??):402–403, March 1925. URL http://hdl.handle.net/2027/mdp.39015031957932.

Rutherford:1925:SAb

[Rut25e] Ernest Rutherford. The stability of atoms. *Journal of the Royal Society of Arts*, 73(3773):389–403, March 13, 1925. CODEN JRSAA4. ISSN 0035-9114. URL http://www.jstor.org/stable/41357678.

Rutherford:1925:SANa

[Rut25f] Ernest Rutherford. Studies of atomic nuclei. *Engineering (London, UK)*, 119(??):437–438, April 1925. CODEN ENGNA2. ISSN 0013-7782.

Rutherford:1925:SANb

[Rut25g] Sir Ernest Rutherford. Studies of atomic nuclei. *Science*, 62(1601):209–211, September 4, 1925. CODEN SCIEAS. ISSN 0036-8075 (print), 1095-9203 (electronic). URL http://adsabs.harvard.edu/abs/1925Sci....62..209R; http://www.jstor.org/stable/1649947; http://www.sciencemag.org/content/62/1601/209.

Rutherford:1925:TR

[Rut25h] Sir Ernest Rutherford. [trip report]. *Sydney Morning Herald*, ??(??):??, 1925. Written sometime between July and December 1925, and cited in [Wil83a, page 462], as "one of the most monumentally dull pieces of writing that anyone could imagine — indeed it seems almost immature, and might have been written by a rather uninteresting child of fifteen.".

Rutherford:1925:ESM

[Rut25i] Professor Sir Ernest Rutherford, D.Sc., LL.D., Ph.D.F.R.S. The electrical structure of matter. *Smithsonian Institution, Annual Report*, 1924:161–185, 1925. CODEN SIAPAT. ISSN 0097-644X. URL http://www.biodiversitylibrary.org/page/8803463. For year ending 30 June 1924.

Rutherford:1926:LSE

[Rut26a] E. Rutherford. A letter from Sir Ernest Rutherford. *Sigma Xi Quarterly*, 14(4):77–78, December 1926. CODEN SXQUAP. ISSN 0096-977X (print), 2327-7548 (electronic).

Rutherford:1926:ARAa

[Rut26b] Ernest Rutherford. Alpha rays and atomic structure [Part I]. *Engineering (London, UK)*, 123(??):375–376, April 1926. CODEN ENGNA2. ISSN 0013-7782.

Rutherford:1926:ARAb

[Rut26c] Ernest Rutherford. Alpha rays and atomic structure [Part II]. *Engineering (London, UK)*, 123(??):409–410, April 1926. CODEN ENGNA2. ISSN 0013-7782.

Rutherford:1926:ARAc

[Rut26d] Ernest Rutherford. Alpha rays and atomic structure [Part III]. *Engineering (London, UK)*, 123(??):460–461, April 1926. CODEN ENGNA2. ISSN 0013-7782.

Rutherford:1926:ARAd

[Rut26e] Ernest Rutherford. Alpha rays and atomic structure [Part IV]. *Engineering (London, UK)*, 123(??):492–493, April 1926. CODEN ENGNA2. ISSN 0013-7782.

Rutherford:1926:ANT

[Rut26f] Ernest Rutherford. Atomic nuclei and their transformation (12th Guthrie Lecture, 25 Feb 1927). *Proceedings of the Physical Society, London*, 39(1):359–372, ???? 1926. CODEN PPSOAU. ISSN 0959-5309 (print), 2051-2171 (electronic). URL http://stacks.iop.org/0959-5309/39/i=1/a=332.

Rutherford:1926:EWT

[Rut26g] Ernest Rutherford. Electric waves and their propagation. *Nature*, 118(2979):809–811, December 4, 1926. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL http://www.nature.com/nature/journal/v118/n2979/pdf/118809a0.pdf.

Rutherford:1926:ESM

[Rut26h] Ernest Rutherford. *The Electrical Structure of Matter*. ????, ????, 1926. ???? pp. LCCN Q11 .S66 1924.

Rutherford:1926:RGAa

[Rut26i] Ernest Rutherford. The rare gases of the atmosphere [Part I]. *Engineering (London, UK)*, 121(??):353–354, March 1926. CODEN ENGNA2. ISSN 0013-7782.

Rutherford:1926:RGAb

[Rut26j] Ernest Rutherford. The rare gases of the atmosphere [Part II]. *Engineering (London, UK)*, 121(??):388–390, March 1926. CODEN ENGNA2. ISSN 0013-7782.

Rutherford:1926:RGAc

[Rut26k] Ernest Rutherford. The rare gases of the atmosphere [Part III]. *Engineering (London, UK)*, 121(??):438, April 1926. CODEN ENGNA2. ISSN 0013-7782.

Rutherford:1926:RGAd

[Rut26l] Ernest Rutherford. The rare gases of the atmosphere [Part IV]. *Engineering (London, UK)*, 121(??):458–459, April 1926. CODEN ENGNA2. ISSN 0013-7782.

Rutherford:1927:RASa

[Rut27a] Ernest Rutherford. α rays and atomic structure [Part I]. *Engineering (London, UK)*, 123(??):375–376, ?? 1927.

Rutherford:1927:RASb

[Rut27b] Ernest Rutherford. α rays and atomic structure [Part II]. *Engineering (London, UK)*, 123(??):409–410, ?? 1927.

Rutherford:1927:RASc

[Rut27c] Ernest Rutherford. α rays and atomic structure [Part III]. *Engineering (London, UK)*, 123(??):460–461, ?? 1927.

Rutherford:1927:RASd

[Rut27d] Ernest Rutherford. α rays and atomic structure [Part IV]. *Engineering (London, UK)*, 123(??):492–493, ?? 1927.

Rutherford:1927:APSa

[Rut27e] Ernest Rutherford. Address of the President, Sir Ernest Rutherford, at the Anniversary Meeting, November 30, 1926. *Proceedings of the Royal Society A: Mathematical, Physical, and Engineering Sciences*, 113(765):481–495, January 1, 1927. CODEN PRLAAZ. ISSN 1364-5021 (print), 1471-2946 (electronic).

Rutherford:1927:RN

[Rut27f] Ernest Rutherford. Radioactive nuclei. *Sigma Xi Quarterly*, 15(4):82–86, December 1927. CODEN SXQUAP. ISSN 0096-977X (print), 2327-7548 (electronic). URL `http://www.jstor.org/stable/27824352`.

Rutherford:1927:SAI

[Rut27g] Ernest Rutherford. Scientific aspects of intense magnetic fields and high voltages. *Nature*, 120(3031):809–811, December 3, 1927. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL http://www.nature.com/nature/journal/v120/n3031/pdf/120809a0.pdf.

Rutherford:1927:SRA

[Rut27h] Ernest Rutherford. Structure of radioactive atoms and the origin of the α-rays. In *Atti del Congresso internazionale dei fisici Como–Pavia–Roma, 11–20 settembre 1927*, volume 1, pages 55–64. Nicola Zanichelli, Bologna, Italia, 1927.

Rutherford:1927:SRP

[Rut27i] Ernest Rutherford. Study and research in physics. *Nature*, 120(3027):657–659, November 5, 1927. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL http://www.nature.com/nature/journal/v120/n3027/pdf/120657a0.pdf.

Rutherford:1927:APSb

[Rut27j] Sir Ernest Rutherford. Address of the President, Sir Ernest Rutherford, at the Anniversary Meeting, November 30, 1926. *Proceedings of the Royal Society of London Series B*, 101(706):1–15, January 1, 1927. CODEN PRLBA4. ISSN 0950-1193 (print), 2053-9185 (electronic). URL http://adsabs.harvard.edu/abs/1927RSPSB.101....1.; http://rspb.royalsocietypublishing.org/content/101/706; http://www.jstor.org/stable/27824304.

Rutherford:1927:RSE

[Rut27k] Sir Ernest Rutherford. Report from Sir Ernest Rutherford. *Sigma Xi Quarterly*, 15(4):81, December 1927. CODEN SXQUAP. ISSN 0096-977X (print), 2327-7548 (electronic). URL http://www.jstor.org/stable/27824351.

Rutherford:1927:LSR

[Rut27l] Sir Ernest Rutherford, O.M., P.R.S. LI. Structure of the radioactive atom and origin of the α-rays. *Philosophical Magazine (7)*, 4(22):580–605, September 1927. CODEN PHMAA4. ISSN 1941-5982 (print), 1941-5990 (electronic). URL http://www.tandfonline.com/doi/abs/10.1080/14786440908564361. Cited in [Wil83a, page 441] as 'a great paper'. Wilson (page 559) later notes that this paper inspired George Gamow to his prediction of the quantum tunneling effect in 1929 (credit also goes to Edward Condon and Ronald Gurney who wrote two papers in 1928 on that idea, and to Robert Oppenheimer, who published a paper on that topic five months before those of Condon and Gurney).

Rutherford:1928:APSa

[Rut28a] Ernest Rutherford. Address of the President, Sir Ernest Rutherford, O.M., at the Anniversary Meeting, November 30, 1927. *Proceedings of the Royal Society A: Mathematical, Physical, and Engineering Sciences*, 117(777):300–316, January 2, 1928. CODEN PRLAAZ. ISSN 1364-5021 (print), 1471-2946 (electronic).

Rutherford:1928:OPB

[Rut28b] Ernest Rutherford. Obituary: Prof. Bertram B. Boltwood. *Nature*, 121(3037):64–65, January 14, 1928. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL http://adsabs.harvard.edu/abs/1928Natur.121...64R; http://www.nature.com/nature/journal/v121/n3037/pdf/121064a0.pdf.

Rutherford:1928:PPH

[Rut28c] Ernest Rutherford. Production and properties of high-frequency radiation. *Nature*, 122(3084):883–886, December 8, 1928. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL http://www.nature.com/nature/journal/v122/n3084/pdf/122883a0.pdf.

Rutherford:1928:TMPa

[Rut28d] Ernest Rutherford. Transformation of matter [Part I]. *Engineering (London, UK)*, 125(??):315–316, March 1928. CODEN ENGNA2. ISSN 0013-7782.

Rutherford:1928:TMPb

[Rut28e] Ernest Rutherford. Transformation of matter [Part II]. *Engineering (London, UK)*, 125(??):360, March 1928. CODEN ENGNA2. ISSN 0013-7782.

Rutherford:1928:TMPc

[Rut28f] Ernest Rutherford. Transformation of matter [Part III]. *Engineering (London, UK)*, 125(??):387, March 1928. CODEN ENGNA2. ISSN 0013-7782.

Rutherford:1928:APSb

[Rut28g] Sir Ernest Rutherford, O.M. Address of the President, Sir Ernest Rutherford, O.M., at the Anniversary Meeting, November 30, 1927. *Proceedings of the Royal Society of London Series B*, 102(717):239–255, January 2, 1928. CODEN PRLBA4. ISSN 0950-1193 (print), 2053-9185 (electronic). URL `http://adsabs.harvard.edu/abs/1928RSPSB.102..239.`; `http://rspb.royalsocietypublishing.org/content/102/717/239`.

Rutherford:1929:HFR

[Rut29a] Ernest Rutherford. High frequency radiation of the X-ray type. *Science*, 69(1784):259–263, March 8, 1929. CODEN SCIEAS. ISSN 0036-8075 (print), 1095-9203 (electronic). URL `http://adsabs.harvard.edu/abs/1929Sci....69..259R`; `http://www.sciencemag.org/content/69/1784/259`.

Rutherford:1929:MMRa

[Rut29b] Ernest Rutherford. Molecular motions in rarefied gases [Part I]. *Engineering (London, UK)*, 127(??):319–321, March 1929. CODEN ENGNA2. ISSN 0013-7782.

Rutherford:1929:MMRb

[Rut29c] Ernest Rutherford. Molecular motions in rarefied gases [Part II]. *Engineering (London, UK)*, 127(??):347–348, March 1929. CODEN ENGNA2. ISSN 0013-7782.

Rutherford:1929:MMRc

[Rut29d] Ernest Rutherford. Molecular motions in rarefied gases [Part III]. *Engineering (London, UK)*, 127(??):381, March 1929. CODEN ENGNA2. ISSN 0013-7782.

Rutherford:1929:MMRd

[Rut29e] Ernest Rutherford. Molecular motions in rarefied gases [Part IV]. *Engineering (London, UK)*, 127(??):449–450, March 1929. CODEN ENGNA2. ISSN 0013-7782.

Rutherford:1929:NPS

[Rut29f] Ernest Rutherford. Note by Professor Sir Ernest Rutherford [Max Planck]. *Naturwissenschaften*, 17(26):483, June 28, 1929. CODEN NATWAY. ISSN 0028-1042 (print), 1432-1904 (electronic).

Rutherford:1929:OAA

[Rut29g] Ernest Rutherford. Origin of actinium and age of the Earth. *Nature*, 123(3096):313–314, March 2, 1929. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL http://www.nature.com/nature/journal/v123/n3096/pdf/123313b0.pdf. See also [Hol30].

Rutherford:1929:PR

[Rut29h] Ernest Rutherford. Penetrating radiations. *The Engineer*, 147(??):413, April 1929. CODEN ENGIAL. ISSN 0013-7758.

Rutherford:1929:RRB

[Rut29i] Ernest Rutherford. Recent reactions between theory and experiment. The Raman effect: The constitution of hydrogen gas. *Nature*, 124(3136):878–880, December 7, 1929. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL http://www.nature.com/nature/journal/v124/n3136/pdf/124878a0.pdf.

Rutherford:1929:APSa

[Rut29j] Sir Ernest Rutherford, O.M. Address of the President, Sir Ernest Rutherford, O.M., at the Anniversary Meeting, November 30, 1928. *Proceedings of the Royal Society of London. Series A, Containing Papers of a Mathematical and Physical Character*, 122(789):1–23, January 1, 1929. ISSN 0950-1207 (print), 2053-9150 (electronic). URL http://adsabs.harvard.edu/abs/1929RSPSA.122....1R; http://rspa.royalsocietypublishing.org/content/130/813/239.

Rutherford:1929:APSb

[Rut29k] Sir Ernest Rutherford, O.M. Address of the President, Sir Ernest Rutherford, O.M., at the Anniversary Meeting, November 30, 1928. *Proceedings of the Royal Society of London Series B*, 104(729):97–119, January 1, 1929. CODEN PRLBA4. ISSN 0950-1193 (print), 2053-9185 (electronic). URL http://adsabs.harvard.edu/abs/1929RSPSB.104...97.; http://rspb.royalsocietypublishing.org/content/104/729/97.

Rutherford:1930:APSa

[Rut30a] Ernest Rutherford. Address of the President, Sir Ernest Rutherford, O.M., at the Anniversary Meeting, November

30, 1929. *Proceedings of the Royal Society A: Mathematical, Physical, and Engineering Sciences*, 126(801):184–203, January 1, 1930. CODEN PRLAAZ. ISSN 1364-5021 (print), 1471-2946 (electronic).

Rutherford:1930:ANTa

[Rut30b] Ernest Rutherford. Atomic nuclei and their structure [Part I]. *Engineering (London, UK)*, 129(??):371–372, March 1930. CODEN ENGNA2. ISSN 0013-7782.

Rutherford:1930:ANTb

[Rut30c] Ernest Rutherford. Atomic nuclei and their structure [Part II]. *Engineering (London, UK)*, 129(??):397–398, March 1930. CODEN ENGNA2. ISSN 0013-7782.

Rutherford:1930:ANTc

[Rut30d] Ernest Rutherford. Atomic nuclei and their structure [Part III]. *Engineering (London, UK)*, 129(??):437–438, April 1930. CODEN ENGNA2. ISSN 0013-7782.

Rutherford:1930:ANTd

[Rut30e] Ernest Rutherford. Atomic nuclei and their structure [Part IV]. *Engineering (London, UK)*, 129(??):470–471, April 1930. CODEN ENGNA2. ISSN 0013-7782.

Rutherford:1930:BF

[Rut30f] Ernest Rutherford. Back of frontispiece. *Scientific American*, 142(6):423, June 1930. CODEN SCAMAC. ISSN 0036-8733 (print), 1946-7087 (electronic). URL `http://www.nature.com/scientificamerican/journal/v142/n6/pdf/scientificamerican0630-423.pdf`.

Rutherford:1930:TM

[Rut30g] Ernest Rutherford. The transmutation of matter. *Engineering (London, UK)*, 129(??):549–550, ???? 1930. CODEN ENGNA2. ISSN 0013-7782.

Rutherford:1930:APSb

[Rut30h] Sir Ernest Rutherford, O.M. Address of the President, Sir Ernest Rutherford, O.M., at the Anniversary Meeting, November 30, 1929. *Proceedings of the Royal Society of London Series B*, 105(740):518–537, January 1, 1930. CODEN PRLBA4. ISSN 0950-1193 (print), 2053-9185 (electronic).

URL http://adsabs.harvard.edu/abs/1930RSPSB.105..518.; http://rspb.royalsocietypublishing.org/content/105/740/518.

Rutherford:1930:IMF

[Rut30i] Sir Ernest Rutherford, O.M., P.R.S. Intense magnetic fields and low temperature research. *Nature*, 126(3188):884–885, December 6, 1930. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL http://www.nature.com/nature/journal/v126/n3188/pdf/126884a0.pdf.

Rutherford:1931:APSa

[Rut31a] Ernest Rutherford. Address of the President, Sir Ernest Rutherford, O.M., at the Anniversary Meeting, December 1, 1930. *Proceedings of the Royal Society A: Mathematical, Physical, and Engineering Sciences*, 130(813):239–259, January 1, 1931. CODEN PRLAAZ. ISSN 1364-5021 (print), 1471-2946 (electronic).

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[Rut31b] Lord Rutherford. Goettingen lecture 14 December 1931. Audio recording, December 14, 1931. URL https://vimeo.com/18514971.

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Rutherford:1931:APSb

[Rut31e] Sir Ernest Rutherford, O.M. Address of the President, Sir Ernest Rutherford, O.M., at the Anniversary Meeting, December 1, 1930. *Proceedings of the Royal Society of London Series B*, 107(752):348–368, January 1, 1931. CODEN PRLBA4. ISSN 0950-1193 (print), 2053-9185 (electronic). URL http://adsabs.harvard.edu/abs/1931RSPSB.107..348.; http://rspb.royalsocietypublishing.org/content/107/752/348.

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[Rut31f] The Right Honourable Lord Rutherford, O.M., F.R.S. Helium and its properties. *Nature*, 128(3221):137–138, July 25, 1931. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL http://www.nature.com/nature/journal/v128/n3221/pdf/128137a0.pdf.

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[Rut32a] Ernest Rutherford. Atomic projectiles and their applications. *Nature*, 130(3289):730–731, November 12, 1932. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL http://www.nature.com/nature/journal/v130/n3289/pdf/130730d0.pdf.

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[Rut32b] Ernest Rutherford. Erinnerungen an die Frühzeit der Radioaktivität. (German) [Memories of the early days of radioactivity]. *Zeitschrift für Elektrochemie*, 38(7 (or 8a??)): 476–480, July 1932. CODEN ZEELAI. ISSN 0372-8382.

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Rutherford:1932:OGRb

[Rut32e] Lord Rutherford. The origin of the gamma-rays. *The Scientific Monthly*, 34(6):483–486, June 1932. CODEN SCMOAA. ISSN 0096-3771 (print), 2327-7513 (electronic). URL http://www.jstor.org/stable/15205.

Rutherford:1933:AT

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Rutherford:1933:GMS

[Rut33b] Ernest Rutherford. Great men of science: a history of scientific progress. *Nature*, 132(3332):367–369, September 9, 1933. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL http://www.nature.com/nature/journal/v132/n3332/pdf/132367a0.pdf.

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Rutherford:1933:RRTb

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Rutherford:1933:TA

[Rut33f] Ernest Rutherford. *The transmutation of the atom*. British Broadcasting Corp., London, UK, 1933. 27 pp. LCCN QD461 .R97.

Rutherford:1933:TE

[Rut33g] Ernest Rutherford. The transmutation of the elements. *Discovery: The Popular Journal of Knowledge*, 14(??):105–108, April 1933.

Rutherford:1933:ATE

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Rutherford:1933:RIH

[Rut33i] Lord Rutherford. [remark on "Interaction of hard γ-rays with atomic nuclei"]. *Nature*, 132(3340):709, November 4, 1933. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL `http://www.nature.com/nature/journal/v132/n3340/pdf/132709a0.pdf`. See [CK33].

Rutherford:1933:RQC

[Rut33j] Right Honourable Lord Rutherford of Nelson, O.M.F.R.S. A review of a quarter of a century's work on atomic transmutation. *British Association for the Advancement of Science, Report*, ??(??):431–432, September 11, 1933. CODEN BAASAX. ISSN 0365-8694. URL `http://biodiversitylibrary.org/page/30565300`. Report the annual meeting, Leicester, September 6–13, 1933.

Rutherford:1934:NHb

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Rutherford:1934:NHc

[Rut34b] Ernest Rutherford. The new hydrogen. *Nature*, 133(3361): 488, March 31, 1934. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL `http://www.nature.com/nature/journal/v133/n3361/pdf/133488c0.pdf`.

Rutherford:1934:NHd

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Rutherford:1934:NHf

[Rut34d] Ernest Rutherford. The new hydrogen. *Proceedings of the Royal Institution of Great Britain*, 28(??):277–289, ???? 1934. CODEN PIGBAI. ISSN 0035-8959.

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Rutherford:1934:TA

[Rut34i] Lord Rutherford. The transmutation of the atom. *The Scientific Monthly*, 38(1):15–23, January 1934. CODEN SCMOAA. ISSN 0096-3771 (print), 2327-7513 (electronic). URL `http://www.jstor.org/stable/15525`.

Rutherford:1934:NHa

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RutherfordofNelson:1934:PAF

[Rut34m] Lord Rutherford of Nelson. [Public appeal for funds]. *The Times [London, UK]*, ??(??):??, 1934. ISSN 0140-0460, 0956-1382. Cited in [Wil83a, page 484], and published after May 1934.

RutherfordofNelson:1934:WSE

[Rut34n] Lord Rutherford of Nelson. Wandering scholars: Exiles in British sanctuary. *The Times [London, UK]*, ??(??):??, May 3, 1934. ISSN 0140-0460, 0956-1382. Cited in [Wil83a, page 484].

RutherfordofNelson:1934:PLI

[Rut34o] Lord Rutherford of Nelson, O.M., M.A., D.Sc., F.R.S. The periodic law and its interpretation. *Journal of the Chemical Society*, 28:635–642, January 1934. CODEN JCSOA9. ISSN 0368-1769 (print), 2050-5574 (electronic).

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[Rut35a] Ernest Rutherford. [letter to the editor]. *The Times [London, UK]*, ??(??):??, May 1, 1935. ISSN 0140-0460, 0956-1382. Cited in [Wil83a, page], and on the subject of the claims against the USSR for the cost of Peter Kapitza's laboratory equipment that was to be shipped from Cambridge to him in the USSR, where he was being denied the right to travel abroad.

Rutherford:1935:R

[Rut35b] Ernest Rutherford. *Radioactivity*. Macmillan and Co., London, UK, 1935. 289–292 pp. LCCN Q1 .N2 v.135 p. 289–292.

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[Rut35d] Lord Rutherford. Atomic physics. *Nature*, 135(3418):683–685, May 4, 1935. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL `http://www.nature.com/nature/journal/v135/n3418/pdf/135683a0.pdf`.

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Rutherford:1935:ERPb

[Rut35g] Lord Rutherford, O.M., F.R.S. Electromagnetic radiations [Part II]. *Engineering (London, UK)*, 139(??):341–342, March 1935. CODEN ENGNA2. ISSN 0013-7782.

Rutherford:1935:ERPc

[Rut35h] Lord Rutherford, O.M., F.R.S. Electromagnetic radiations [Part III]. *Engineering (London, UK)*, 139(??):357–358, March 1935. CODEN ENGNA2. ISSN 0013-7782.

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[Rut35k] Lord Rutherford, O.M., F.R.S. The transformation of energy. *Nature*, 137(3456):135–137, January 25, 1935. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL http://www.nature.com/nature/journal/v137/n3456/pdf/137135a0.pdf.

Rutherford:1936:EAA

[Rut36a] Ernest Rutherford. The electric arc and its application. *Proceedings of the Royal Institution of Great Britain*, 24(??):673–680, ???? 1936. CODEN PIGBAI. ISSN 0035-8959.

Rutherford:1936:SDa

[Rut36b] Ernest Rutherford. *Science in development*, volume 12 of *British Science Guild. Norman Lockyer lecture.* British Science Guild, London, UK, 1936. 20 pp. LCCN ????

Rutherford:1936:TEa

[Rut36c] Ernest Rutherford. The transformation of energy. *Nature*, 137(3456):135–140, January 25, 1936. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL http://www.nature.com/nature/journal/v137/n3456/pdf/137135a0.pdf.

Rutherford:1936:TEb

[Rut36d] Ernest Rutherford. *The transformation of energy.* Macmillan and Co., London, UK, 1936. 135–140 pp. LCCN Q1 .N2 v.137 p.135-140.

Rutherford:1936:TEc

[Rut36e] Ernest Rutherford. *The transformation of energy*, volume 1936 of *Watt anniversary lectures.* "Telegraph" Printing Works, Greenock, UK, 1936. 16 pp. LCCN ???? Watt Anniversary Lecture for 1936 delivered before the Greenock Philosophical Society on 17th January 1936.

Rutherford:1936:RAG

[Rut36f] Ernest Lord Rutherford. *Radioaktivität und Atomtheorie. (German) [Radioactivity and atomic theory]*. ????, ????, 1936. 17 pp. LCCN ????

Rutherford:1936:PSL

[Rut36g] Lord Rutherford, O.M., D.Sc., LL.D., F.R.S. Protection of science and learning. *New Statesman and Nation [London]*, 11(??):453, ???? 1936. CODEN ???? ISSN 0952-102X.

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[Rut36h] Lord Rutherford, O.M., D.Sc., LL.D., F.R.S. Radioactivity and atomic theory: Sixteenth Faraday Lecture, delivered at the Royal Institution on February 12th, 1936. *Journal of the Chemical Society*, 30:508–516, April 1936. CODEN JCSOA9. ISSN 0368-1769 (print), 2050-5574 (electronic). URL `http://pubs.rsc.org/en/content/articlelanding/1936/jr/jr9360000508`.

Rutherford:1936:SDb

[Rut36i] Lord Rutherford, O.M., D.Sc., LL.D., F.R.S. Science in development. *Nature*, 138(3499):865–869, November 21, 1936. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL `http://www.nature.com/nature/journal/v138/n3499/pdf/138865a0.pdf`.

Rutherford:1936:SPSa

[Rut36j] Lord Rutherford, O.M., D.Sc., LL.D., F.R.S. Society for the Protection of Science and Learning. *Science*, 83(2155):372, April 17, 1936. CODEN SCIEAS. ISSN 0036-8075 (print), 1095-9203 (electronic). URL `http://www.sciencemag.org/content/83/2155/372.1.citation`.

Rutherford:1936:SPSb

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Rutherford:1937:NAB

[Rut37a] Ernest Rutherford. *The Newer Alchemy: based on the Henry Sidgwick Memorial Lecture delivered at Newnham College, Cambridge, November 1936*. MacMillan Publishing Company, New York, NY, USA, 1937. 67 pp. LCCN ????

Rutherford:1937:NAT

[Rut37b] Ernest Rutherford. *The Newer Alchemy: The Transmutation of Elements, How It Has Been Accomplished, and What It Means*. Cambridge University Press, Cambridge, UK, 1937. viii + 67 + 13 pp. LCCN QD461 RUT. Based on the Henry Sidgwick Memorial Lecture delivered at Newnham College Cambridge November 1936.

Rutherford:1937:SD

[Rut37c] Ernest Rutherford. *Science in development*, volume 1936 of *Norman Lockyer lecture / Britsh Science Guild*. British Association for the Advancement of Science, London, UK, 1937. 20 pp. LCCN ????

Rutherford:1937:SIH

[Rut37d] Ernest Rutherford. The search for the isotopes of hydrogen and helium of mass 3. *Nature*, 140(3538):303–305, August 21, 1937. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL `http://www.nature.com/nature/journal/v140/n3538/pdf/140303a0.pdf`. Cited in [Wil83a, page] as Rutherford's last paper (but see comment in entry Rutherford:1937:THEb).

Rutherford:1937:THEa

[Rut37e] Ernest Rutherford. The transmutation of heavy elements. *Nature*, 139(3517):540, March 27, 1937. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL `http://www.nature.com/nature/journal/v139/n3517/pdf/139540a0.pdf`.

Rutherford:1937:THEb

[Rut37f] Ernest Rutherford. The transmutation of heavy elements. *Proceedings of the Royal Institution of Great Britain*, 29(4): 630–635, October 1937. CODEN PIGBAI. ISSN 0035-8959.

Rutherford:1937:RAT

[Rut37g] Lord Rutherford. *Radioactivity and Atomic Theory*. United States Government Printing Office, Washington, DC, USA, 1937. 161–175. pp. LCCN ???? Sixteenth Faraday lecture, delivered at the Royal Institution on February 12, 1936. Reprinted from the *Journal of the Chemical Society*, April 1936.

Rutherford:1938:FYP

[Rut38a] Ernest Rutherford. Forty years of physics. In Needham and Pagel [NP38], pages 49–74. LCCN Q125 .N44 1938. URL `https://archive.org/stream/backgroundtomode032734mbp`. Two lectures, *The History of Radioactivity* and *The Development of the Theory of Atomic Structure*, revised and prepared for the press by J. A. Ratcliffe after the death of Lord Rutherford.

Rutherford:1938:NAC

[Rut38b] Ernest Rutherford. *Novodobá alchymie. (Czech) [The new alchemy]*, volume 9 of *Elektrotechnická knihovna*. Elektrotechnický svaz Československý, Praha, Czechoslovakia, 1938. 53 + i pp. LCCN ????

Rutherford:1938:JMI

[Rut38c] Lord Rutherford. Jubilee meeting of the Indian Science Congress. *Nature*, 141(3557):1–2, January 1, 1938. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL `http://www.nature.com/nature/journal/v141/n3557/pdf/141001a0.pdf`. Address prepared before Rutherford's death for the meeting.

Rutherford:1938:TMa

[Rut38d] Lord Rutherford. Transmutation of matter. *Nature*, 141 (3558):58–61, January 8, 1938. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL `http://www.nature.com/nature/journal/v141/n3557/pdf/141001a0.pdf`. Address prepared before Rutherford's death for the meeting of the Indian Science Congress, and delivered by Sir James Hopwood Jeans. See also [Ano38b].

Rutherford:1938:TMb

[Rut38e] Lord Rutherford. *Transmutation of Matter*. ????, ????, 1938. ???? pp. LCCN Q11 .S66 1938.

RutherfordofNelson:1938:THE

[Rut38f] Lord Rutherford of Nelson. The transmutation of heavy elements. *The Scientific Monthly*, 46(1):66–68, January 1938. CODEN SCMOAA. ISSN 0096-3771 (print), 2327-7513 (electronic). URL http://www.jstor.org/stable/16512.

Rutherford:1965:Fa

[Rut65a] Ernest Rutherford. Foreword. In *Science and the Human Temperament* [SMJ35a], page ???? LCCN Q171 .S3 1935a. Foreword by Lord Rutherford of Nelson.

Rutherford:1965:Fb

[Rut65b] Ernest Rutherford. Foreword. In *Science and the Human Temperament* [SMJ35b], page ???? LCCN ???? Foreword by Lord Rutherford of Nelson.

Rutherford:1966:PH

[Rut66a] Ernest Rutherford. The α particle and helium. In Boorse and Motz [BM66], pages 641–?? URL http://adsabs.harvard.edu/abs/1966woat.book..641R. With a foreword by I. I. Rabi.

Rutherford:1966:DRU

[Rut66b] Ernest Rutherford. The discovery of the α- and β-rays from uranium. In Boorse and Motz [BM66], pages 437–?? URL http://adsabs.harvard.edu/abs/1966woat.book..437R. With a foreword by I. I. Rabi.

Rutherford:1966:NA

[Rut66c] Ernest Rutherford. The Nuclear Atom. In Boorse and Motz [BM66], pages 701–?? URL http://adsabs.harvard.edu/abs/1966woat.book..701R. With a foreword by I. I. Rabi.

Rutherford:1970:APT

[Rut70a] Ernest Rutherford. Atomic projectiles and their collisions with light atoms. In Bragg and Porter [BP70], page ?? ISBN 0-444-20048-7. LCCN QC71 .P45.

Rutherford:1970:LHA

[Rut70b] Ernest Rutherford. Life history of an alpha particle from radium. In Bragg and Porter [BP70], page ?? ISBN 0-444-20048-7. LCCN QC71 .P45.

Rutherford:1970:REA

[Rut70c] Ernest Rutherford. Radiations from exploding atoms. In Bragg and Porter [BP70], page ?? ISBN 0-444-20048-7. LCCN QC71 .P45.

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[Rut70d] Ernest Rutherford. Recent researches in radio-activity. In Bragg and Porter [BP70], page ?? ISBN 0-444-20048-7. LCCN QC71 .P45.

Rutherford:1970:DSA

[Rut70e] Sir Ernest Rutherford. Discussion on the structure of atomic nuclei. In I. E. (Ian Ellery) McCarthy, editor, *Nuclear Reactions*, Commonwealth and international library. Selected readings in physics, pages 125–135. Pergamon Press, New York, NY, USA, 1970. ISBN 0-08-006630-5. LCCN QC794 .M17 1970. URL http://www.sciencedirect.com/science/article/pii/B9780080066301500106.

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[Rut70f] Sir Ernest Rutherford. Nucleus of the atom. In Bragg and Porter [BP70], page ?? ISBN 0-444-20048-7. LCCN QC71 .P45.

Rutherford:1970:SAN

[Rut70g] Sir Ernest Rutherford. Studies of atomic nuclei. In Bragg and Porter [BP70], page ?? ISBN 0-444-20048-7. LCCN QC71 .P45.

Rutherford:1970:TM

[Rut70h] Sir Ernest Rutherford. Transmutation of matter. In Bragg and Porter [BP70], page ?? ISBN 0-444-20048-7. LCCN QC71 .P45.

Rutherford:1986:PPR

[Rut86] Ernest Rutherford. Present problems of radioactivity. In Katherine Russell Sopka, editor, *Physics for a new century: papers presented at the 1904 St. Louis congress*, The History of modern physics, pages 233–262. American Institute of Physics, New York, NY, USA, 1986. ISBN 0-88318-487-7. ISSN 1800-1950. LCCN QC6.9 .P48 1986. US$30.00. Introduction by Albert E. Moyer.

Rutherford:1988:OAA

[Rut88] Ernest Rutherford. Origin of actinium and age of the Earth. In Kolb and Turner [KT88], pages 239–?? ISBN 0-201-11604-9. LCCN QB981 .K685 Suppl. URL http://adsabs.harvard.edu/abs/1988eur..book..239R.

Rutherford:2004:RA

[Rut04] Ernest Rutherford. *Radio-activity*. Dover phoenix editions. Dover, New York, NY, USA, 2004. ISBN 0-486-49585-X. viii + 399 pp. LCCN QC795 .R775 2004. URL http://www.loc.gov/catdir/enhancements/fy0617/2004047848-d.html.

Rutherford:2007:RA

[Rut07a] Ernest Rutherford. *Radio-activity*. Juniper Grove, New York, NY, USA, second edition, 2007. ISBN 1-60355-058-5. xi + 580 pp. LCCN QC795 .R775 2007.

Rutherford:2007:RT

[Rut07b] Ernest Rutherford. *Radioactive transformations*. Juniper Grove, New York, NY, USA, 2007. ISBN 1-60355-054-2. 5 + 287 pp. LCCN QC721 .R87 2007.

Rutherford:2010:CPL

[Rut10a] Ernest Rutherford. Collision of α particles with light atoms. IV. An anomalous effect in nitrogen. *Philosophical Magazine*, 90(Supplement 1):31–37, February 2010. CODEN PHMAA4. ISSN 0031-8086. URL http://www.tandfonline.com/doi/full/10.1080/14786431003659230. Reprint of [Rut19h].

Rutherford:2010:RRS

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