

**INDEXES TO THE
LITERATURES OF CERIUM
AND LANTHANUM**

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Indexes to the Literatures of Cerium and Lanthanum by W. H. Magee

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W. H. MAGEE

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LETTER OF TRANSMITTAL.

NEW YORK, JULY 24, 1894.

The Committee of the American Association for the Advancement of Science having charge of Indexing Chemical Literature has voted to recommend to the Smithsonian Institution for publication the three following Indexes:—

AN INDEX TO THE LITERATURE OF CERIUM.

AN INDEX TO THE LITERATURE OF LANTHANUM.

Both by W. H. Magee, Ph. D.

AN INDEX TO THE LITERATURE OF DIDYMIUM.¹

By A. C. Langmuir, Ph. D.

The latter has already appeared in the School of Mines Quarterly, No. 1, Vol. XV.

H. CARRINGTON BOLTON,
Chairman.

To the SECRETARY of the SMITHSONIAN INSTITUTION.

¹ This Index is printed as Smithsonian Publication No. 972.

INDEXES TO THE LITERATURES OF CERIUM AND LANTHANUM.

By W. H. MAGEE, PH. D.

INTRODUCTION.

THE following indexes to the literatures of cerium and lanthanum were prepared during the course of some work on the former element. They are not offered as being absolutely correct, but all the more important articles bearing upon the elements are certainly indexed, and usually the original article heads the list. In some few cases, however, it was difficult to determine the original. Whenever the journal was to be found on the library shelves the references were verified. No single library, however, contains all the journals to which references will be found.

That the indexing of chemical literature is of great and growing importance is evident; that the work should be as nearly perfect as possible is equally true. Yet few except those who have attempted the task realize the difficulty and labor involved. I would ask, therefore, as regards these indexes, that any one using them, and all chemists interested in the study of cerium and lanthanum, should send corrections and addenda to W. H. Magee, care of Professor L. M. Dennis, Cornell University, Ithaca, N. Y., so that after a few years perfectly correct indexes may be prepared.

The Indexes are arranged on the same plan as that of the Index to Uranium, published by Dr. H. Carrington Bolton in 1870, and followed by several other chemists. The abbreviations used are in the main those of the standard list printed in Bolton's Bibliography of Chemistry.

CORNELL UNIVERSITY,
ITHACA, N. Y., July 21, 1894.

Date.	Author.	Remarks.	References.
1751	CRONSTEDT . . .	Discovery of the mineral cerite.	Sv. Vet. Akad. Handl., 1751, 227. Ab. der Schwed. Akad. der Wiss., 1751, 235. Cronstedt Min., 1858, 183.
1784	BERGMANN and D'ELHUYAR.	Analysis of cerite (not correct).	Sv. Vet. Akad. Handl., 1784, 121.
1804	BERZELIUS and HISINGER.	Discovery of ceria in cerite.	Afhandl. i. Fys., Kemi och Min., 1, 58. A. Gehl., 2, 397. Ann. chim. phys., 50, 245. Phil. Mag., 1805, 20, 155.
1804	KLAPROTH . . .	Discovery of ceria as "Ochroit-erde" in cerite.	Memoirs de l'Acad. de Berlin, 1804, 155. A. Gehl., 2, 303. Beitr., 4, 140. Ann. chim. phys., 49, 255. Phil. Mag., 19, 95. Karst. Min. Tab., 1808, 74.
1804	VAUQUELIN . . .	Review of Klaproth's work.	Ann. chim. phys., 50, 140. A. Gehl., 5, 189. Ann. de mus. d'hist. nat., 5, 412.
1805	Note on disc. of Berzelius and Klaproth.	Phil. Mag., 22, 174.
1805	VAUQUELIN . . .	Analysis of cerite and synthesis of cerium salts.	Ann. chim. phys., 54, 28. Phil. Mag., 22, 193.
1808	T. ALLEN	Supposition that allanite was gadolinite.	Edin. Roy. Soc. Proc., 6, 345.
1810	THOMSON	Analysis of allanite.	Edin. Roy. Soc. Proc., 6, 384. Schw. J., 13, 108. Ann. Phil., 2, 147. Jour. des Mines, 29, 159; 30, 281. Ann. der Phys., Gilb., 44, 123.
1810	HISINGER	Analysis of cerite.	Afhandl. i. Fys., Kemi och Min., 3, 283. Kongl. Vet. Acad. Handl., 1811.
1814	BERZELIUS and GAHN.	Discovery of ceria in the supposed yttria.	Afhandl. i. Fys., Kemi och Min., 4, 217. Schw. J., 16, 241. Ann. chim. phys. [1], 2, 431. Ann. des Mines [1], 2, 96.

Date.	Author.	Remarks.	References.
1814	LAUGIER	Separation and reduction of ceria.	Ann. chim. phys., 89, 306. Schw. J., 19, 54.
1815	HISINGER	Analysis of allanite.	Afhandl. i. Fys., Kemi och Min., 4, 327.
1815	HISINGER	Atomic mass.	Afhandl. i. Fys., Kemi och Min., 4, 378. Ann. Phil., Nov., 1814. Ann. chim. phys., 94, 108. Schw. J., 17, 424.
1818	BERZELIUS	On flussspatssyradt.	Afhandl. i. Fys., Kemi och Min., 6, 64.
1819	HISINGER	Analysis of cerite.	Ann. chim. phys. [1], 10, 27. Ann. des Mines [1], 5, 227.
1823	LEVY	On monazite.	Ann. Phil., 5, 241.
1823	BERZELIUS	Compounds with fluorine.	Sv. Vet. Akad. Handl., 1823, 284. Ann. der Phys., Pogg., 1, 28. Compt. Rend., 1825. Ann. des Mines [1], 12, 302.
1824	LEVY	On bucklandite.	Ann. Phil., 7, 134.
1824	GAY LUSSAC . . .	Memoir of Laugier's work.	Ann. chim. phys. [1], 27, 314. Berz. Jsb., 5, 204.
1825	HADINGER	On allanite.	Edin. Roy. Soc. Proc., 10, 271. Ann. des Phys., Pogg., 5, 157. Min. Mohs., 3, 68.
1825	BERZELIUS	Sulphide.	Sv. Vet. Akad. Handl., 1825, 11. Treatise on Chemistry, Ger. ed. v. Ann. des Phys., Pogg., 6, 456.
1825	BERZELIUS	On arsenico-sulpho salts.	Trans. de l'Acad. Roy. de Stockh., 1825. Ann. der Phys., Pogg., 7, 28 and 145. Ann. chim. phys. [2], 2, 60.
1825	BERZELIUS	On sulphomolybdo salts.	Ann. der Phys., Pogg., 7, 274.
1826	LYNCHELL	Cerium in serpentine.	Ann. chim. phys. [2], 2, 407. Sv. Vet. Akad. Handl., 1826, 181.
1826	BERZELIUS	Analysis of a cerium mineral.	Ann. chim. phys. [2], 1, 400.
1826	HEEREN	Cerium hypo-sulphite.	Ann. der. Phys., Pogg., 7, 180.
1826	WÖHLER	Cerium in pyrochlore.	Ann. der. Phys., Pogg., 7, 427. Leonhard's Ztschr. für Min., 1, 246.

Date.	Author.	Remarks.	References.
1826	BERZELIUS. . . .	Salts of cerium, and atomic mass.	Ann. der Phys., Pogg., 8, 186, 280, and 418.
1826	MOSANDER	Reduction of ceria, etc.	Sv. Vet. Akad. Handl., 1826, 299. Kast. Arch., 10, 470. Ann. der Phys., Pogg., 6, 470; 11, 406. Berz. Lehrb., 1826, 2, 416. Berz. Jsb., 1826, 7, 144. Phil. Mag. [2], 1, 71. Ann. des Mines [2], 5, 143. Schw. J., 52, 481.
1828	MARX	Crystal form of sulphate.	Berz. Jsb., 1830, 9, 179.
1829	BONSDORFF	Cerium-mercury-chloride.	Ann. der Phys., Pogg., 17, 247.
1829	BREITHAUPT	On monazite.	Schw. J., 55, 301.
1830	BERTHEMOT	Preparation of bromide.	Ann. chim. phys. [2], 44, 393.
1831	DUMAS	Color of cerous salts.	Traité de chimie, 3, 299.
1832	MOSANDER	On fluocerite.	Förhandl. vid de Skand. nat. forsk., 387.
1832	BEUDANT	Formate, reduction, carbide, etc.	Traité élémentaire de min., 2, 519. Schw. J., 67, 78. Berz. Jsb., 1835, 15, 131.
1833	GÖBEL	Separation of Fe by BaCO ₃ .	Ann. Chem., Liebig, 11, 245.
1834	DEMARÇAY	On allanite.	Diss. at Upsala. Berz. Jsb., 1838, 17, 221.
1834	BERLIN	Removal of iron by CuO.	Götting. Anzeig., 1834, No. 75. Ann. der Phys., Pogg., 32, 288.
1835	PERSOZ	Meteoritic cerium.	Ann. chim. phys. [2], 58, 202. J. prakt. Chem., 6, 49. Baumgärtner's Zischr., 2, 293. Berz. Jsb., 15, 132.
1837	ROSE	On edwardsite (monazite).	Reis. Ural, 1, 432. Am. J. Sci. [1], 32, 162.
1837	SHEPARD	Preparation of sulphate.	J. prakt. Chem., 12, 185. Ann. der Phys., Pogg., 40, 404. J. prakt. Chem., 11, 82. Ann. des Mines [3], 13, 448. Berz. Jsb., 1839, 18, 186.
1837	OTTO	Organic salts and solubility in alcohol.	J. prakt. Chem., 12, 227 and 238. Berz. Jsb., 1839, 18, 523.
1837	HELLER		