

INDEX TO THE LITERATURE
OF
THORIUM.

1817-1902.

BY

CAVALIER H. JOÛET, PH. D.,

LECTURER IN ANALYTICAL CHEMISTRY, COLUMBIA UNIVERSITY, NEW YORK.



CITY OF WASHINGTON:
PUBLISHED BY THE SMITHSONIAN INSTITUTION.

1903.

WASHINGTON, D. C.
PRESS OF JUDD & DETWEILER
1903

LETTER OF TRANSMITTAL.

WASHINGTON, D. C., *October 9, 1902.*

The Committee on Indexing Chemical Literature, appointed in 1882 by the American Association for the Advancement of Science, has voted to recommend to the Smithsonian Institution for publication the following:

“INDEX TO THE LITERATURE OF THORIUM,

by Cavalier H. Joüet, Ph. D.”*

HENRY CARRINGTON BOLTON,

Chairman.

MR. S. P. LANGLEY,

Secretary of Smithsonian Institution.

*This forms one of the following series:

- Index to the Literature of Uranium, 1785-1885, by Henry Carrington Bolton, 1885.
- Index to the Literature of Columbium, 1801-1887, by Frank W. Traphagen, 1888.
- Index to the Literature of the Spectroscope, by Alfred Tuckerman, 1888, 1902.
- Index to the Literature of Thermodynamics, by Alfred Tuckerman, 1890.
- A Bibliography of the Chemical Influence of Light, by Alfred Tuckerman, 1891.
- A Bibliography of Aceto-Acetic Ester, by Paul H. Seymour, 1894.
- Index to the Literature of Didymium, 1842-1893, by A. C. Langmuir, 1895.
- Indexes to the Literature of Cerium and Lanthanum, by W. H. Magee, 1895.
- A Bibliography of the Metals of the Platinum Group, by Jas. Lewis Howe, 1897.
- Review and Bibliography of the Metallic Carbides, by J. A. Mathews, 1898.
- Index to the Literature of Thallium, 1861-1897, by Miss Martha Doan, 1898.
- Index to the Literature of Zirconium, by A. C. Langmuir and Charles Baskerville, 1899.
- A Bibliography of the Analytical Chemistry of Manganese, 1785-1900, by Henry P. Talbot and John W. Brown, 1902.

P R E F A C E .

This Index to the Literature of Thorium has been prepared after a very laborious and painstaking search through many scientific and technical journals.

Most of the references have been verified, and usually the original article heads the list, but in some few cases this was difficult to determine.

It is not offered as absolutely complete, and the compiler requests that any one using the index would send corrections and addenda to him.

Minerals now recognized as containing thorium have been mentioned only in such cases when the earth has been found. The patent literature relative to the use of thorium in the arts is not included.

C. H. J.

COLUMBIA UNIVERSITY,
NEW YORK, 1902.

INDEX TO THE LITERATURE OF THORIUM.

(1817-1902.)

BY CAVALIER H. JOÛET, Ph. D.

- 1817: 1. GAHN, WALLMANN, EGGERTZ, BERZELIUS. Undersökning af nagra i trakten kring Fahlun funna Fossilier, och af deras Lagerställen.
Afh. Fys. Kemi, 1818, **5**, 1-93; Oken, Isis, 1819, col 391-409; J. für Chem. (Schweigger), 1817, **21**, 25-43; Ann. Phil. (Thomson), 1817, **9**, 160-161, 452-460; Ann. chim. phys., 1817, **5**, 5-21; Quart. Jour. Sci. Arts, 1817, **2**, 443; Ann. Mines, 1818, [**1**], **3**, 151-160; Roy. Soc. C. Sci. Papers, 1867, **1**, 340, and 1868, **2**, 457, 754.
- 1817: 2. NOTE. New earth discovery, Thorine.
Ann. Phil. (Thomson), 1817, **9**, 412.
- 1817: 3. GAHN. Thorine, eine neue Erde.
Oken, Isis, 1817, **1**, col 1317-1320; Roy. Soc. C. Sci. Papers, 1868, **2**, 754.
- 1817: 4. BERNHARDI. Das allgemeine Krystallizations system der chemischen Elemente. "Thorinium."
J. für Chem. (Schweigger), 1817, **21**, 4-24; Roy. Soc. C. Sci. Papers, 1867, **1**, 304.
- 1818: 5. BERZELIUS. Chemische Entdeckungen im Mineralreiche gemacht zu Fahlun in Schweden, Thorina, eine neue Erde. "Nachricht von Herrn Berzelius neuer Erde, Thorina."
Ann. der Phys. Pogg., 1818, **59**, 247-254; Roy. Soc. C. Sci. Papers, 1867, **1**, 333.
- 1821: 6. BERZELIUS. Nya metalliska Kroppar. "Thorium."
Årsb. Phys. Kemi, 1821, 66; Berzelius' Jsb., 1822, **1**, 50; Archiv. Bergbau, 1823, **8**, 376.
- 1821: 7. BERZELIUS. Thorjord funnen på Bornholm (now problematical).
Årsb. Phys. Kemi, 1821, 57; Berzelius' Jsb., 1822, **1**, 40.
- 1823: 8. BERZELIUS. Undersökning af flusspats-syran och dess märkvärdigaste föreningar. "Tillagg om Thorjorden" (proves to be yttrium phosphate).
Kongl. Sv. Vet. Acad. Handl., 1823, 284-359; 1824, 46-98, 278-328; Ann. chim. phys., 1824, **26**, 39-43; 1824, **27**, 53-67, 167-177, 287-308, 337-359; 1825, **29**, 295-314, 337-372; Ann. der Phys. Pogg., 1824, **1**, 1-48, 169-230; 1824, **2**, 113-150; 1825, **4**, 1-22, 117-156; Phil. Mag., 1824, 392-393; 1825, **65**, 254-267; J. für Chem. (Schweigger)

- 1825, **44**, 348-350; Årsb. Phys. Kemi, 1825, 118; Berzelius' Jsb., 1826, **5**, 112, 113; Ann. Mines, 1826 [I], **12**, 190; Quart. Jour. Sci. Arts, 1825, **18**, 156, 157; Annals Phil. (Thomson), 1824, **8**, 330-343, 450-457; 1824, **9**, 124-131; 1824, **10**, 116-130; Roy. Soc. C. Sci. Papers, 1867, **1**, 335.
- 1825: 9. LETTRE DE M. BERZELIUS À M. BROGNIART. March 15, 1825. Observations sur diverses espèces Minérales, extraites d'une lettre de M. Berzelius, à M. Brogniart.
Ann. des sci. naturelles, 1825, No. **5**, 430-432; Ann. Phil. (Thomson), 1826, **11**, 23-24; Edin. J. Sci., 1825, **3**, 332-334; Roy. Soc. C. Sci. Papers, 1867, **1**, 335.
- 1826: 10. WÖHLER. Ueber den Pyrochlor, eine neue Mineral species "Ceroxyd" (unrein).
Ann. der Phys. Pogg., 1826, **7**, 417-428; Ztschr. Kryst, 1826, **2**, 385-389; Ber., 1882, **15**, 3150a; Berzelius' Jsb., 1828, **7**, 175-176; Årsb. Phys. Kemi, 1827, 172-173; Beudant. Min., 1832, vol. 2, 649, 756; Rammelsberg's Min. Chem., 1875, 2d ed., 371-375; Roy. Soc. C. Sci. Papers, 1872, **6**, 411.
- 1827: 11. ROSE. Pyrochlore, a new mineral species.
Edin. J. Sci., 1827, **6**, 358-361.
- 1828: 12. BERZELIUS. Ueber den Thorit, ein neues mineral und eine darin enthaltene neue Erde, die Thorerde.
Ann. der Phys. Pogg., 1829, **15**, 633-634; Berzelius' Traité de Chimie, French ed., 1846, **2**, 179-184; Rammelsberg's Min. Chem., 1860, 544-546; Edin. J. Sci., 1829, **1**, 207-209; 1829, **2**, 223-225; Quart. Jour. Sci. Arts, 1829, **2**, 412-413; 1830, **1**, 88-104; 1830, **1**, 417-419; Gmelin-Kraut, Handb. anorg. Chemie, 1874-1886, II¹, 881; Heusmans, Répertoire, 1829, June; Phil. Mag., 1829, **6**, 392-393; Roy. Soc. C. Sci. Papers, 1867, **1**, 336.
- 1829: 13. BERZELIUS. Undersökning af ett nytt mineral som innehåller en förut obekant jord.
Kongl. Sv. Vet. Akad. Handl., 1829, 1-30; Berzelius' Lehrbuch d. Chemie, 1845, **3**, 1224; 1845, 5^o Auf. **2**, 189-194; 1845, 5^o Auf. **3**, 511-518; Ann. der Phys. Pogg., 1829, **16**, 385-414; Ann. chim. phys., 1830, **43**, 5-38; J. techn. Chem., 1829, **2**, 463-464; Bibl. Univ., 1829, n. s., **42**, 291-311; 1830, n. s., **43**, 48-64; Quart. Jour. Sci. Arts, 1829, **2**, 296-302; 1830, **1**, 88-104; Gmelin-Kraut, Handb. anorg. Chemie, 1875, **1**, 57; 1897, 2², 144, 226, 694, 976; Rammelsberg's Min. Chem., 1875, 2 Auf. **2**, 173-174; Dana's Min., 1874, 5th ed., 413; Roy. Soc. C. Sci. Papers, 1867, **1**, 336.
- 1829: 14. BERZELIUS. Extrait d'une lettre de M. Berzelius à M. Dulong sur la découverte d'une nouvelle terre, la Thorine. Séances de l'acad. royale des sciences. Paris, 1829, July 20.
Ann. chim. phys., 1829, **41**, 422-423; 1829, **42**, 67; L'Universel, 1829, No. 206, July 25; Bibl. Univ., 1829, **41**, 255-256; Le Globe, 1829, [7], **58**, 463, July 22; J. de pharm., 1829, **15**, 488-489; Am. J. Sci., 1830, **17**, 381; Roy. Soc. C. Sci. Papers, 1867, **1**, 336.

- 1829: 15. BERZELIUS. Thorina and Thorinium.
Bibl. Univ., 1829, **41**, 255-256; Phil. Mag., 1830, **7**, 388-389.
- 1829: 16. EDITOR'S NOTICE. Thorine, a new earth. Thorite (Brevig mineral).
Edinb. Phil. J., 1829, **20**, 363.
- 1829: 17. BERZELIUS. Entdeckung einer neuen Erde und eines neuen Metalls der Thorerde und des Thoriums.
J. für Chem. (Schweigger), 1829, **57**, 492-493.
- 1829: 18. BULLETIN des travaux de la Société de Pharmacie de Paris. Extraits du procès verbal. Séance du 15 Août. Sur la thorine "Dulong donne lecture d'une lettre de M. Berzelius."
J. de pharm., 1829, **15**, 488-489.
- 1829: 19. EDITORIAL. Atomgewichte der einfachen Körper nach Berzelius' neuesten Bestimmungen.
J. tech. Chem., 1829, **2**, 455-470.
- 1830: 20. BERZELIUS. Atomgewichte der einfachen Körper.
Pharm. Centrbl., 1830, 8-10.
- 1830: 21. BERZELIUS. Untersuchung einer minerals von Brevig, Norwegen. "Thorium," "Thorit."
Kongl. Sv. Vet. Acad. Handl., 1829, 1-30; Årsb. Phys. Kemi, 1830, 95-97; Berzelius' Jsb., 1831, **10**, 98-100.
- 1830: 22. BERZELIUS. Thorerdesalze.
Kongl. Sv. Vet. Acad. Handl., 1829, 18; Årsb. Phys. Kemi, 1830, 139; Berzelius' Jsb., 1831, **10**, 143-144.
- 1831: 23. BERZELIUS. Om Vanadin och dess egenskaper. "Vanadinsyrad Thorjord."
Kongl. Sv. Vet. Acad. Handl., 1831, 1-67; Ann. der Phys. Pogg., 1831, **22**, 1-67; Ann. chim. phys., 1831, **47**, 337-409; J. für Chem. (Schweigger), 1831, **62**, 121-124; 323-374; Berzelius, *Traité de Chimie*, 1831, t. **4**, 642-686; J. für Chem. (Schweigger), 1831, **63**, 26-54; Årsb. Phys. Kemi, 1831, 99-110; Berzelius' Jsb., 1832, **11**, 97-108; J. tech. chem., 1831, **1**, 141-142; Ztschr. Physik u. Mathematik, 1831, **9**, 391-392; Phil. Mag., 1831, **10**, 321-337; 1831, **11**, 7-20; Magazin für Pharm., 1831, **33**, 249-253; Roy. Soc. C. Sci. Papers, 1868, **2**, 336; 1872, 6.
- 1832: 24. BERZELIUS. Recherches sur la thorine, nouvel oxyde.
Ann. der Phys. Pogg., 1829, **16**, 385-415; Ann. Mines, 1832 [3], **1**, 98-106.
- 1832: 25. BERZELIUS. Analyse du thorite minéral contenant une nouvelle terre.
Ann. der Phys. Pogg., 1829, **16**, 385-415; Ann. Mines, 1832 [3], **1**, 183-185.

- 1832: 26. BERZELIUS. Analyses of thorite, by Berzelius.
Beudant, Min., 1832, **2**, 171-172, 741.
- 1832: 27. BERZELIUS. Mention of false discovery of Thorium (xenotime).
Beudant, Min., 1832, **2**, 552-553, 752.
- 1832: 28. BEUDANT. Un Minéral de Coromandel.
Beudant, Min., 1832, **2**, 652.
- 1833: 29. WÖHLER. Thorerde im Pyrochlor.
Ann. der Phys. Pogg., 1833, **27**, 80; Ann. der pharm., 1833, **8**, 154;
Pharm. Centrbl., 1834, 174; Rammelsberg's Min. Chem., 1875, 2d
ed., 371-375; Jahrb. Min., 1833, 64, 424; Ber., 1882, **15**, 3181a;
Roy. Soc. C. Sci. Papers, 1872, **6**, 412.
- 1833: 30. BERZELIUS. Atomgewichte der einfachen Körper.
Pharm. Centrbl., 1833, 2-3.
- 1833: 31. BERZELIUS. Undersökning af tellurens egenskaper. "Tellursyrlig thorjord."
Kongl. Sv. Vet. Acad. Handl., 1833, 227-307; Ann. der Phys. Pogg.,
1833, **28**, 392-400; 1834, **32**, 1-32, 577-627; Ann. chim. phys., 1835,
58, 113-150, 225-281; Årsb. Phys. Kemi, 1832, 103-106; 1833, 96-
103; 1834, 148-152, 163-167; Berzelius' Jsb., 1833, **12**, 100-103; 1834,
13, 94-102; 1835, **14**, 146-149, 161-164; J. de pharm., 1833, **19**,
582-587; 1836, **22**, 147-149; Phil. Mag., 1836, **8**, 84-85; Am. J. Sci.,
1835, **28**, 137-140; Ann. Mines, 1834, **5**, 381-385; Roy. Soc. C. Sci.
Papers, 1867, **1**, 338.
- 1834: 32. BERZELIUS. Atomgewichte der einfachen Körper.
Pharm. Centrbl., 1834, 1-2.
- 1835: 33. BERZELIUS. Om distillationsprodukterna af Drufsyra, (Acidum Paratartaricum).
Kongl. Sv. Vet. Acad. Handl., 1835, 142-169; Ann. der Phys. Pogg.,
1835, **36**, 1-28; Bibl. Univ., 1836, **3**, 398-402; J. de pharm., 1835,
21, 242-245; 1836, **22**, 138-142; Ann. der pharm., 1835, **13**, 61-63;
Årsb. Phys. Kemi, 1835, 255-265; Berzelius' Jsb., 1836, **15**, 254-264;
Roy. Soc. C. Sci. Papers, 1867, **1**, 338.
- 1835: 34. BERZELIUS. Atomgewichte der einfachen Körper.
Pharm. Centrbl., 1835, 1-2.
- 1836: 35. BERZELIUS. Atomgewichte der einfachen Körper.
Pharm. Centrbl., 1836, 1-2.
- 1837: 36. BERZELIUS. Atomgewichte der einfachen Körper.
Pharm. Centrbl., 1837, 1-2.
- 1838: 37. BERZELIUS. Atomgewichte der einfachen Körper.
Pharm. Centrbl., 1838, 1-2.

- 1839: 38. ROSE. Ueber die mineralogische und geognostische Beschaffenheit des Urmengebirges.
Berichte. Königl. Akad. d. Wiss. Berlin, 1839, 53-61; Ann. der Phys. Pogg., 1839, **47**, 374-384; Jahrb. Min., 1840, 709-714; Roy. Soc. C. Sci. Papers, 1879, **8**, 276.
- 1839: 39. BERZELIUS. Atomgewichte der einfachen Körper.
Pharm. Centrbl., 1839, 1-2.
- 1839: 40. ROSE, G. Beschreibung einiger neuen Mineralien des Urals. "Tschewkinit."
Ann. der Phys. Pogg., 1839, **48**, 551-554; J. prakt. Chem., 1840, 465-467; Jahrb. Min., 1841, 120; Arsb. Phys. Kemi, 1841, 197-200; Arsb. Phys. Kemi (Rapport annuel), 1840, 115; Berzelius' Jsb., 1841, **20**, 209-213; Rose, Reise nach dem Ural, 1842, **2**, 92-93; Rammelsberg's Min. Chem., 1875, 2d ed., 673; Edin. Phil. J., 1840, **29**, 418; Roy. Soc. C. Sci. Papers, 1871, **5**, 277.
- 1839: 41. KERSTEN. Untersuchung des Monazits, eines Thorerde und Lantanoxyd enthaltenden Minerals vom Urals.
Ann. der Phys. Pogg., 1839, **47**, 385-396; Ann. Mines, 1840, [3], **17**, 628-633; Arsb. Phys. Kemi, 1840, 232-233; Arsb. Phys. Kemi (Rapport annuel), 1840, 137; Berzelius' Jsb., 1841, **20**, 245; Jahrb., Min., 1840, 105; 1841, 377 R; Phil. Mag., 1840, **17**, 202; Bibl. Univ., 1839, **24**, 185-192; Rev. sci. Quesneville, 1841, **7**, 60; Gmelin-Kraut, Handb. anorg. Chemie, 1874-1886, 2^e, 560; Edin. Phil. J., 1840, **28**, 417; Rammelsberg's Min. Chem., 1875, 2 Auf. **2**, 305-306; Roy. Soc. C. Sci. Papers, 1869, **3**, 642.
- 1839: 42. WÖHLER. Analyse des Pyrochlors. Miask and Brevig.
Ann. der Phys. Pogg., 1839, **48**, 83-95; J. prakt. Chem., 1839, **18**, 280-290; Arsb. Phys. Kemi, 1840, 232; Berzelius' Jsb., 1841, **20**, 244-245; Ann. Mines, 1840, [3], **17**, 624-628; Jahrb. Min., 1841, 119; Ber., 1882, **15**, 3205a; Arsb. Phys. Kemi (Rapport annuel), 1840, 137; Rev. sci. Quesneville, 1841, **7**, 60; Gmelin-Kraut, Handb. anorg. Chemie, 1897, **2**^e, 86; Rammelsberg's Min. Chem., 1875, 2d ed., 371-375; Dana's Min., 1874, 5th ed., 513; Roy. Soc. C. Sci. Papers, 1872, **6**, 412.
- 1839: 43. ROSE, H. Ueber die Fällung einiger Metalloxyde durch wasser.
Ann. der Phys. Pogg., 1839, **48**, 575-577; Ann. chim. phys., 1840, **74**, 72-74; J. de pharm., 1840, **26**, 409-412; Roy. Soc. C. Sci. Papers, 1871, **5**, 282.
- 1840: 44. BERZELIUS. Atomgewichte der einfachen Körper.
Pharm. Centrbl., 1840, 1-2.
- 1840: 45. ROSE, GUSTAV. Ueber die Identität des Edwardsit und Monazit.
Ann. der Phys. Pogg., 1840, **49**, 223-229; J. Frankl. Inst., 1840, **25**, 289-290; Arsb. Phys. Kemi, 1841, 172; Berzelius' Jsb., 1842, **21**, 215; Jahrb. Min., 1840, 703-704; Roy. Soc. C. Sci. Papers, 1871, **5**, 277.

- 1840: 46. SHEPARD. On the identity of Edwardsite with Monazite (Mengite) and on the composition of the Missouri meteorite.
Am. J. Sci., 1840, **39**, 249-255; Jahrb. Min., 1841, 374, Ref.; Sturgeon, Ann. Electr., 1841, **6**, 54-58; Roy. Soc. C. Sci. Papers, 1871, **5**, 676.
- 1840: 47. SCHEERER. Ueber den Euxenit, eine neues mineral.
Ann. der Phys. Pogg., 1840, **50**, 149-153; Jahrb. Min., 1842, 330; Rev. sci. Quesneville, 1841, **7**, 60; Årsb. Phys. Kemi, 1841, 140-141; Berzelius' Jsb., 1842, **21**, 179-180; Rammelsberg's Min. Chem., 1875, 2d ed., 363-370; Edin. Phil. J., 1840, **29**, 417-418; Roy. Soc. C. Sci. Papers, 1871, **5**, 449.
- 1841: 48. BERZELIUS. Atomgewichte der einfachen Körper.
Pharm. Centrbl., 1841, 1-2.
- 1842: 49. BERZELIUS. Atomgewichte der einfachen Körper.
Pharm. Centrbl., 1842, 1-2.
- 1842: 50. NORDENSKIÖLD. Utkast till ett examinations-system för mineralierne.
Acta Societatis Scientiarum Fennicæ, 1842, **1**, 627-685; Roy. Soc. C. Sci. Papers, 1870, **4**, 640.
- 1842: 51. ROSE. "Pyrochlor" and "Monazit."
Reise nach dem Ural, 1842, **2**, 64-66, 87-92, 447.
- 1843: 52. BERZELIUS. Atomgewichte und Aequivalente der einfachen Körper.
Pharm. Centrbl., 1843, 1-4.
- 1844: 53. BERZELIUS. Atomgewichte und Aequivalente der einfachen Körper.
Pharm. Centrbl., 1844, 1-4.
- 1844: 54. HERMANN. Untersuchung einiger Russischen mineralien "Aeschynit und Pyrochlor von Miask."
Bull. soc. imp. Moscou, 1844, **17**, pt. 3, 605-624; J. prakt. Chem., 1844, **31**, 94-99; 1846, **39**, 246; Årsb. Kemi, 1845, 282-283; Årsb. Phys. Kemi (Rapport annuel), 1845, 218-219; Berzelius' Jsb., 1846, **25**, 375, 376; Ann. der Phys. Pogg., 1847, **70**, 336; Annuaire de Chimie, 1845, 204-208; Jahrb. Min., 1844, 826, Ref.; 1847, 828, Ref.; Rammelsberg's Min. Chem., 1875, 2d ed., 370, 371-375; Nachricht von G. A. Univ. Göttingen, 1846, No. **18**, 285; Rev. sci. Quesneville, 1844, 2^o series, No. **2**, 214-215; Gmelin-Kraut, Handb. anorg. Chem., 1897, **2**^o, 86; Rev. sci. Quesneville, 1847, 2^o series, **14**, 415; Jahrb. Min., 1848, 720, Ref.; Berg. u. H. Ztg., 1844, **3**, 582-583; Dana's Min., 1874, 5th ed. 513; Roy. Soc. C. Sci. Papers, 1869, **3**, 311; 1872, **6**, 414.
- 1844: 55. ROSE. Ueber die Titansäure. "Ueber die in Natur vorkommenden Mineralien, Tschewkinit." (Rose finds no thoria, but later Hermann does find thoria.)
Berichte. Königl. Acad. d. Wiss. Berlin, 1844, 105-119, 163-168, 248-252, 286-290; J. prakt. Chem., 1844, **32**, 296-310, 472-476; 1844, **33**,

233-236; *Ann. Chem.* (Liebig), 1845, **53**, 267-283, 111-122; *Ann. der Phys. Pogg.*, 1844, **61**, 507-531; 1844, **62**, 119-131, 253-270, 591-596; *Majocchi. Ann. fis. chim.*, 1845, **19**, 60-61; *Ann. chim. phys.*, 1844, **12**, 176-187; 1845, **15**, 290-320; *Rammelsberg's Min. Chem.*, 1875, 2d ed., 673; *Dana's Min.*, 1874, 5th ed., 387-388; *Gmelin-Kraut, Handb. anorg. Chemie*, 1897, **2**, 37-38; *Roy. Soc. C. Sci. Papers*, 1871, **5**, 283.

1844: 56. HERMANN. Untersuchung des Monazits, namentlich in Bezug auf den angeblichen Thorerdegehalt desselben.

J. prakt. Chem., 1844, **33**, 90-94; *Årsb. Kemi*, 1845, 283-284; *Berzelius' Jsb.*, 1846, **25**, 376-377; *Jahrb. Min.*, 1845, 590, 699 R.; *Årsb. Phys. Kemi*, (Rapport annuel), 1845, 219; *Gmelin-Kraut, Handb. anorg. Chemie*, 1874-1886, **2**¹, 560; *Annuaire de Chimie*, 1845, 208-210; *Rammelsberg's Min. Chem.*, 1875, 2 Auf. **2**, 305-306; *Roy. Soc. C. Sci. Papers*, 1869, **3**, 311.

1845: 57. SCHEERER. Thorit.

Ann. der Phys. Pogg., 1845, **65**, 276-310; *Jahrb. Min.*, 1846, 234; *Rev. Sci. Quesneville*, 1845, 2^o series, **7**, 197; *Berg. u. H. Ztg.*, 1845, **4**, 849-859, 891-900.

1845: 58. BERZELIUS. Atomgewichte und Aequivalente der einfachen Körper.

Pharm. Centrbl., 1845, 1-4.

1846: 59. BERZELIUS. Aequivalente und Atomgewichte der einfachen Körper.

Pharm. Centrbl., 1846, 1-4.

1846: 60. HERMANN. Untersuchungen russischer Mineralien. "Ueber Ilmenium, ein neues metall, auch über Titan, Tantal und Niobium, so wie über Aeschynit, Ytteroilmenit und Columbit."

J. prakt. Chem., 1846, **38**, 91-124; *Arch. sci. phys.*, 1846, **2**, 383-392; *Jahrb. Min.*, 1847, 59, 351-353 R.; *J. de pharm.*, 1846, **10**, 290-307; *Annuaire de Chimie*, 1847, 95-104, 264-266; *Årsb. Phys. Kemi*, 1847, 75-76; *Berzelius' Jsb.*, 1848, **27**, 97-98; *Årsb. Phys. Kemi*, (Rapport annuel), 1847, 58-59; *Årsb. Phys. Kemi*, 1847, 200-201; *Berzelius' Jsb.*, 1848, **27**, 254; *Årsb. Phys. Kemi*, (Rapport annuel), 1847, 151-152; *Årsb. Phys. Kemi*, 1847, 184-185; *Rammelsberg's Min. Chem.*, 1875, 2d ed. 364-366; *Berzelius' Jsb.*, 1848, **27**, 235-236; *Årsb. Phys. Kemi*, (Rapport annuel), 1847, 139; *Roy. Soc. C. Sci. Papers*, 1869, **3**, 312.

1846: 61. WÖHLER. Über den Kryptolith (mentions absence of thoria).

Nachricht von G. A. Univ. Göttingen, 1846, No. **2**, 19-23; *Ann. der Phys. Pogg.*, 1846, **67**, 424-427; *Jahrb. Min.*, 1846, 731; *Ber.*, 1882, **15**, 3206a; *Ann. chem.* (Liebig), 1846, **57**, 268-272; *Årsb. Phys. Kemi*, 1846, 248-249; *Berzelius' Jsb.*, 1847, **26**, 336-337; *Årsb. Phys. Kemi*, (Rapport annuel), 1846, 186-187; *Phil. Mag.*, 1846, **29**, 31-32; *Edin. n. Phil. J.*, 1846-1847, **42**, 378-379; *Annuaire de Chimie*, 1847,

- 246-249; Gmelin-Kraut, Handb. anorg. Chemie, 1874-1886, **2¹**, 559-560; Rammelsberg's Min. Chem., 1875, 2 auf., **2**, 304-305; Dana's Min., 1874, 5th ed., 529; Roy. Soc. C. Sci. Papers, 1872, **6**, 414.
- 1846: 62. PLAYFAIR and JOULE. Section II. Researches on atomic volume and specific gravity (oxide of thorium = 67.6). Specific gravity = 9.402; atomic volume = 7.19.
Proc. Chem. Soc. Lond., 1845-1848 [**3**], 57-103; Roy. Soc. C. Sci. Papers, 1869, **3**, 584; 1870, **4**, 940.
- 1847: 63. WÖHLER. Über den Thorerdegehalt des Pyrochlors.
Ann. chem. (Liebig), 1847, **61**, 264; Rammelsberg's Min. Chem., 1875, 2d ed., 371-375; Jahrb. Min., 1848, 326; Annuaire de Chimie, 1848, 175; Jsb. Chem., 1847-1848, 1205.
- 1847: 64. HERMANN. Fortgesetzte Untersuchungen über die Zusammensetzung des Monazits, namentlich in Beziehung auf den angebliehen Thorerde-Gehalt desselben.
J. prakt. Chem., 1847, **40**, 21-34; J. de pharm., 1847, **11**, 389-392; Annuaire de Chimie, 1848, 146-147; Majocchi, Ann. fis. chim., 1847, **26**, 122-131; Rammelsberg's Min. Chem., 1875, 2 Auf. **2**, 305-306; Gmelin-Kraut, Handb. anorg. Chemie, 1874-1886, **II¹**, 560; Jsb. Chem., 1847-1848, 1215-1216; Roy. Soc. C. Sci. Papers, 1869, **3**, 312; 1872, **6**, 686.
- 1847: 65. HERMANN. Untersuchungen über das Ilmenium.
J. prakt. Chem., 1847, **40**, 457-480; J. de pharm., 1847, **12**, 313-318; Arsb. Phys. Kemi, 1847, 54-59; Berzelius' Jsb., 1849, **28**, 64-70; Annuaire de Chimie, 1848, 8-9, 97-102, 175; Rammelsberg's Min. Chem., 1875, 2d ed., 364-366; Majocchi, Ann. fis. chim., 1847, **27**, 252-253; Jsb. Chem., 1847-1848, 404; Chem. Centrbl., 1847, 497-503, 503-505; Roy. Soc. C. Sci. Papers, 1869, **3**, 312; 1872, **6**, 686.
- 1847: 66. BERZELIUS. Aequivalente und Atomgewichte der einfachen Körper.
Pharm. Centrbl., 1847, 1-4.
- 1847: 67. LE CONTE. On Coracite, a new ore of Uranium.
L'Institut, 1847, No. 714, 295; Am. J. Sci., 1847 [2], **3**, 173-175; Chemist (Watt), 1847, 242-243; N. Jena. Lit. Ztg., 1848, 855; Jahrb. Min., 1847, 591 Ref.; Annuaire de Chimie, 1848, 163; Jsb. Chem., 1847-1848, 1167; Roy. Soc. C. Sci. Papers, 1869, **3**, 916.
- 1847-1848: 68. EDITORIAL. Coracit.
Jsb. Chem., 1847-1848, 1167.
- 1848: 69. WEIBYE. Beiträge zur topographischen Mineralogie Norwegens.
Archiv. Bergbau., 1848, **22**, 465-544.
- 1848: 70. BERZELIUS. Atomgewichte und Aequivalente der einfachen Körper.
Pharm. Centrbl., 1848, 1-3.

- 1849: 71. WHITNEY. Chemical examination of some minerals, Cora-
cite of Le Conte.
Jour. Boston Soc. Nat. Hist., 1850-1857, **6**, 36-42; Am. J. Sci., 1849
[2], **7**, 434; J. prakt. Chem., 1849, **51**, 127-128; Phil. Mag., 1850
[3], **37**, 153-154; Annuaire de Chimie, 1851, 204; Jahrb. Min.,
1851, 592; Rammelsberg's Min. Chem., 1875, 2d ed., 176; Jsb.
Chem., 1849, 734; Roy. Soc. C. Sci. Papers, 1872, **6**, 352.
- 1849: 72. BERZELIUS. Atomgewichte und Aequivalente der einfachen
Körper.
Pharm. Centrbl., 1849, 1-3.
- 1849: 73. BERZELIUS. Acide pyruvique.
Berzelius' Traité de chimie, 1849, 2^e edit, **5**, 187-206.
- 1850: 74. BERZELIUS. Atomgewichte der einfachen Körper.
Pharm. Centrbl., 1850, 2-3.
- 1850: 75. HERMANN. Untersuchungen über die Zusammensetzung der
Tantalzerze.
Bull. soc. imp. Moscou, 1850, **23**, pte. 3, 223-275; J. prakt. Chem.,
1850, **50**, 164-200; Jahrb. Min., 1852, 75, 76, 209; Gmelin-Kraut,
Handb. anorg. Chemie, 1897, **2**³, 86; Annuaire de Chimie, 1851, 201-
204; Dana's Min., 1874, 5th ed., 512, 513; Rammelsberg's Min.
Chem., 1875, 2d ed., 364-366, 370, 371-375; Jsb. Chem., 1850, 748-
750; Erman, Archiv. Russ., 1852, **10**, 260-301; Roy. Soc. C. Sci.
Papers, 1869, **3**, 312.
- 1851: 76. BERGEMANN. Entdeckung eines neuen Metalls Donarium,
in einem Mineral von Brevig.
Berichte Königl. Akad. d. Wiss. Berlin, 1851, 221-223; J. prakt.
Chem., 1851, **53**, 239-242; Roy. Soc. C. Sci. Papers, 1867, **1**, 290.
- 1851: 77. BERGEMANN. Beiträge zur Kenntniss eines neuen metal-
lischen Körpers Donarium. Donaria.
Ann. der Phys. Pogg., 1851, **82**, 561-585; Institut, 1851, 287-288; J. de
pharm., 1851 [3], **20**, 247-251; Arch. sci. phys., 1851, **17**, 326-329;
Pharm. Centrbl., 1851, 545-553; Am. J. Sci., 1851 [2], **12**, 280-281,
387, 433-434; Edin. New Phil. J., 1851, **51**, 193; Ann. chem.
(Liebig), 1851, **80**, 267-271; Pharm. Centrbl., 1852, 443-444; J. de
pharm., 1852 [3], **22**, 71-75; Ann. chim. phys., 1852 [3], **35**, 235-
248; Jsb. Chem., 1851, 340-342, 790; Phil. Mag., 1851 [4], **1**, 583-586;
1852 [4], **4**, 156-157; Rammelsberg's Min. Chem., 1875, 2 anf. **2**,
173-174; Gmelin-Kraut, Handb. anorg. Chemie, 1874-1886, **II**¹,
880, 881; Dana's Min., 1874, 5th ed., 413; Roy. Soc. C. Sci. Papers,
1867, **1**, 289.
- 1851: 78. KRANTZ. Ueber den Orangit.
Ann. der Phys. Pogg., 1851, **82**, 586-587; Arch. Sci. phys., 1851, **18**,
58-59; Ann. Chem. (Liebig), 1851, **80**, 267-271; Phil. Mag., 1851
[4], **2**, 390; Jsb. Chem., 1851, 790-791; Jahrb. Min., 1852, 80;
Roy. Soc. C. Sci. Papers, 1869, **3**, 744.

- 1851: 79. ROSE. Donarium, ein neues Metall.
Ztschr. deut. geol. Ges., 1851, **3**, 123-124; Jahrb. Min., 1852, 76-77.
- 1852: 80. ROSE. Ueber die Oxyde des Thoriums und Donariums.
Berichte Königl. Akad. d. Wiss., Berlin, 1852, 179; Roy. Soc. C. Sci. Papers, 1871, **5**, 287
- 1852: 81. DAMOUR. Recherches chimiques sur un nouvel oxyde extrait d'un minéral trouvé en Norwége, examen et analyse de l'orangite.
C. R., 1852, **34**, 685-688; Institut, 1852, 137; Ann. Mines, 1852 [5], **1**, 587-596; Ann. Chem. (Liebig), 1852, **84**, 237-240; Am. J. Sci., 1852 [2], **14**, 260; Jsb. Chem., 1852, 367-369; Am. J. Sci., 1853 [2], **15**, 442; Arch. Sci. phys., 1852, **20**, 147-148; J. prakt. Chem., 1852, **57**, 378; Pharm. Centrbl., 1852, 443-444; Phil. Mag., 1852 [4], **4**, 156-157; Jahrb. Min., 1854, 447; Froriep's Tagsberichte, 1852, 328; Edin. Phil. J., 1852, **53**, 274; Rammelsberg's Min. Chem., 1875, 2 Auf. **2**, 173-174; Gmelin-Kraut, Handb. anorg. Chemie, 1874-1886, **II**¹, 880, 881; Dana's Min., 1874, 5^o ed., 413; Roy. Soc. C. Sci. Papers, 1868, **2**, 138.
- 1852: 82. DAMOUR. Ueber die Thorerde und die Donarerde. I. Auszug eines Schreibens des Hrn. A. Damour in Paris vom 26 März d. J. an Hrn. Rose. Donarium in orangite.
Ann. der Phys. Pogg., 1852, **85**, 555-556; J. prakt. Chem., 1852, **56**, 308-309; Edin. Phil. J., 1852, **53**, 274; 1853, **54**, 183; Pharm. Centrbl., 1852, 443-444; Phil. Mag., 1852 [4], **4**, 156-157; Roy. Soc. C. Sci. Papers, 1867, **1**, 298; 1868, **2**, 138.
- 1852: 83. BERLIN. II. Auszug eines Schreibens des Hrn. N. J. Berlin, Prof. der chemie an der Universität zu Lund vom 4 Apr. d. J. an Hrn. H. Rose. Donarium in orangite.
Ann. der Phys. Pogg., 1852, **85**, 556-558; J. prakt. Chem., 1852, **56**, 308-309; Ann. chem. (Liebig), 1852, **84**, 237-240; Am. J. Sci., 1852 [2], **14**, 260; Phil. Mag., 1852 [4], **4**, 156-157; Edin. Phil. J., 1852, **53**, 274; Pharm. Centrbl., 1852, 443-444; Rammelsberg's Min. Chem., 1875, 2 Auf. **2**, 173-174; Gmelin-Kraut, Handb. anorg. Chemie, 1874-1886, **2**¹, 880, 881; Jsb. Chem., 1852, 367-369.
- 1852: 84. BERGEMANN. Ueber die Thorerde und die Donarerde.
Ann. der Phys. Pogg., 1852, **85**, 558-565; J. prakt. Chem., 1852, **56**, 309; Ann. chem. (Liebig), 1852, **84**, 237-240; Am. J. Sci., 1852 [2], **14**, 260; Edin. Phil. J., 1852, **53**, 274; Rammelsberg's Min. Chem., 1875, 2 Auf. **2**, 173-174; Jsb. Chem., 1852, 367-369; Roy. Soc. C. Sci. Papers, 1867, **1**, 290.
- 1852: 85. BERLIN. Nachträgliches über die Thorerde (Donarium oxyd) aus dem Orangit.
Ann. der Phys. Pogg., 1852, **87**, 608-610; J. prakt. Chem., 1853, **58**, 255-256; Roy. Soc. C. Sci. Papers, 1867, **1**, 298.

- 1852: 86. DAMOUR and BERLIN. Wasserhaltige Silicate mit basen, R_2O_3 , Orangit.
Jsb. Chem., 1852, 862-863.
- 1853: 87. ROSE. Biography of Berzelius.
Am. J. Sci., 1853 [2], **16**, 1-15, 173-186, 305-313; 1854 [2], **17**, 103-113.
- 1853: 88. BERLIN. Neue Mineralien aus Norwegen, "Tachyaphaltit."
Ann. der Phys. Pogg., 1853, **88**, 160-162; J. prakt. Chem., 1853, **58**, 377-388; Jahrb. Min., 1853, 595-596; Berg. u. H. Ztg., 1854, 398; Rammelsberg's Min. Chem., 1875, 2 Auf., 677; 1895, Zw. Suppl., 455; Roy. Soc. C. Sci. Papers, 1867, **1**, 298.
- 1854: 89. FORBES. On the occurrence and crystalline composition of some minerals from the south of Norway.
Brit. Assoc. Adv. Sci., 1854, part **2**, 67-68; Edin. Phil. J., 1855, **I**, 62-73; 1856, **III**, 59-65; 1857, **VI**, 112-119; Pharm. Centrbl., 1855, 113-115; 1856, 137-138; Jahrb. Min., 1858, 566; Dana's Min., 1874, 5th ed., 524-525; Rammelsberg's Min. Chem., 1875, 2d ed., 662-663; Roy. Soc. C. Sci. Papers, 1868, **2**, 654.
- 1855: 90. FORBES and DAHLL. Mineralogiskeiagttagelser om Kring Arendal og Kragerö.
Nyt Magazin för Naturvidenskaberne, 1855, **8**, **3**, 213-229; J. prakt. Chem., 1856, **66**, 446-447; Jsb. Chem., 1855, 962-963; J. Geol. Soc. Lond., 1855, **XI**, 9-13, Miscell.; Roy. Soc. C. Sci. Papers, 1868, **2**, 129, 654.
- 1857: 91. DAMOUR and DESCLOISEAUX. Examen de divers échantillons de sables aurifères et platinifères.
Ann. chim. phys., 1857 [3], **51**, 445-450; Gmelin-Kraut, Handb. anorg. Chemie, 1874-1886, **II**¹, 560; Rammelsberg's Min. Chem., 1875, 2 Auf. **2**, 305-306.
- 1857: 92. ÖDLING. On the natural groupings of the elements.
Phil. Mag., 1857, **1**, 423-430, 480-497; Jsb. Chem., 1857, 28-29.
- 1858: 93. HERMANN. Ueber Heteromerie und Heteromere Mineralien.
J. prakt. Chem., 1858, **74**, 256-314; Jsb. Chem., 1858, 3; Roy. Soc. C. Sci. Papers, 1869, **3**, 313.
- 1858: 94. HERMANN. Ueber systematische Eintheilung der Mineralien nach den Principien der Heteromerie.
J. prakt. Chem., 1858, **75**, 385-448; Jsb. Chem., 1858, 673; Roy. Soc. C. Sci. Papers, 1869, **3**, 313.
- 1859: 95. SCHEERER. Thorit, ein grosseres Stück.
Berg. u. H. Ztg., 1859, 412.
- 1860: 96. NORDENSKIÖLD and CHYDEMUS. Försök att framställa kristalliserad Thorjord och Tantal-syra.
Öfv. K. Sv. Vet. Akad. förh., 1860, No. 3, **17**, 105, 133-137; Ann. der Phys. Pogg., 1860, **110**, 642-647; J. prakt. Chem., 1860, **81**, 207-

- 212; Pharm. Centrbl., 1860, 974-975; Chem. News, 1861, **4**, 102; Rép. chim. pure., 1861, 118, 119; Phil. Mag., 1860 [4], **20**, 378-379; Gmelin-Kraut, Handb. anorg. Chemie, 1874-1886, **1**, 363; 1897, **2**, 86, 368; Jsb. Chem., 1860, 134, 145; Roy. Soc. C. Sci. Papers, 1867, **1**, 926; 1870, **4**, 639.
- 1860: 97. SCHEERER. Nebeneinander vorkommen von Thorit und Orangit.
Berg. u. H. Ztg., 1860, **19**, 124; Ztschr. f. ges. Naturw., 1860, **16**, 94-95; Jahrb. Min., 1860, 569-570; Jsb. Chem., 1860, 769.
- 1860: 98. RAMMELSBURG. "Thorit," "Orangit."
Rammelsberg's Handb. Min. Chem., 1860, 544-546.
- 1861: 99. WIMMERSTEDT (from notes by Norkenskiöld). Orthit blandad Gadolinit från Ytterby.
Geol. Fören. Förh., 1876, [3], No. **7** (No. **35**), 226-229.
- 1861: 100. MÖLLER. Analyse des Tritomits von Brevig.
Ann. Chem. (Liebig), 1861, **120**, 241-246; Am. J. Sci., 1861, **34**, 222; Rammelsberg's Min. Chem., 1895, Zweites Suppl., 305-306.
- 1861: 101. CHYDENIUS. Ueber die Thorerde und deren verbindungen.
Aus der akademischen Abhandlung. "Kemisk undersökning af Thorjord och Thorsalter," Helsingfors, 1861; see translation by Rammelsberg. Ann. der Phys. Pogg., 1863, **119**, 43-56; Bull. soc. chim. Paris, 1864, **1**, 130-134; J. prakt. Chem., 1863, **89**, 464-469; Ztschr. anal. Chem., 1863, **2**, 365-367, 475-476; Pharm. Centrbl., 1863, 712-715; Jahrb. Min., 1863, 830; Rammelsberg's Min. Chem., 1875, 2 Auf. **2**, 173-174, 371-375; Dana's Min., 1874, 5^o ed., 413, 513; Gmelin-Kraut, Handb. anorg. Chemie, 1874-1886, **1**, 363; 1874-1886, **2**, 880, 881; 1897, **2**, 86; Jsb. Chem., 1863, **16**, 194-197, 818, 831; Roy. Soc. C. Sci. Papers, 1867, **1**, 926.
- 1862: 102. VARIOUS analyses of Thorite and Orangite, by Berzelius, Damour, Bergemann, and Berlin.
Descloiseaux, Manual de Min., 1862, 133-134.
- 1862: 103. H. ROSE (analysis by Finkener and Stephens). Ueber die Zusammensetzung der in der Natur vorkommenden niobhaltigen Mineralien, "Samarskit."
Monatsberichte Königl. Akad. d. Wiss., Berlin, 1862, 166-169; Ann. der Phys. Pogg., 1863, **118**, 339-356, 406-418, 497-516; Bull. soc. chim. Paris, 1863, **4**, 127-128; Ztschr. anal. Chem., 1864, **3**, 369-370; J. prakt. Chem., 1862, **86**, 24-27; Original Researches in Mineralogy and Chemistry, (J. Lawrence Smith), 1884, 198-199; Verh. Ges. Min. Russlands, 1863, 1-14; Rammelsberg's Min. Chem., 1875 2 Auf., 364-365; Dana's Min., 1874, 5^o ed., 512, 521; Gmelin-Kraut, Handb. anorg. Chemie, 1897, **2**, 62, 426; Jsb. Chem., 1862, 753-754; 1863, 827-830; Roy. Soc. C. Sci. Papers, 1871, **5**, 291.

- 1862: 104. H. ROSE. Ueber die Zusammensetzung des Samarskits.
 Monatsberichte Königl. Akad. d. Wiss., Berlin, 1862, 622-626; Phil. Mag., 1863 [4], **25**, 142-145; Bull. soc. chim. Paris, 1863, **4**, 360-361; J. prakt. Chem., 1863, **88**, 201-206; Jsb. Chem., 1862, 754; Roy. Soc. C. Sci. Papers, 1871, **5**, 291.
- 1862: 105. BAHR. Om en ny metalloxid wasium, wasiumoxyd.
 Öfv. K. Sv. Vet. Akad. Förh., 1862, **19**, 413, 415-423; Ann. der Phys. Pogg., 1863, **119**, 572-582; Bull. soc. chim. Paris, 1864, n. s., **1**, 134-136; J. prakt. Chem., 1864, **91**, 179-183; Pharm. Centrbl., 1864, 335; Chem. News, 1863, **8**, 175-176, 185; J. de Pharm., 1863, [3], **44**, 536; Quar. J. Sci., 1864, **1**, 115, 152; Arch. sci. phys., 1863, **18**, 369-372; Ann. chem. (Liebig), 1864, **131**, 364-368; Phil. Mag., 1863 [4], **26**, 488; Jsb. Chem., 1863, 199-201; Gmelin-Kraut, Handb. anorg. Chemie, 1874-1886, **2**¹, 684; Dana's Min., 1874, 5th ed., 806, suppl.; Roy. Soc. C. Sci. Papers, 1867, **1**, 154; 1877, **7**, 68.
- 1863: 106. NICKLÈS. De la non-existence du wasium comme corps simple.
 C. R., 1863, **57**, 740-763; Institut, 1863, 346; Phil. Mag., 1863 [4], **26**, 488; J. prakt. Chem., 1864, **91**, 316-317; Chem. News, 1863, **8**, 279-280; Pharm. Centrbl., 1864, 335; J. de pharm., 1864 [3], **45**, 25-26; Arch. sci. phys., 1863, **18**, 369-372; Ann. chem. (Liebig), 1864, **131**, 364-368; Quar. J. Sci., 1864, **1**, 115, 152; Les Mondes, 1863, **II**, 581-583; Dana's Min., 1874, 5th ed., 806, suppl.; Jsb. Chem., 1863, 201; Roy. Soc. C. Sci. Papers, 1870, **4**, 615.
- 1863: 107. NORDESKIÖLD. Om wasiumoxiden.
 Öfv. K. Sv. Vet. Akad. Förh., 1863, No. **6**, 346.
- 1863: 108. BAHR. Thorjorden. Wasiumoxiden.
 Öfv. K. Sv. Vet. Akad. Förh., 1863, No. **10**, 475.
- 1863: 109. DELAFONTAINE. Memoires sur le poids atomique du thorium et sur la formule de la thorine.
 Arch. sci. phys., 1863, **18**, 343-354; Ann. chem. (Liebig), 1864, **131**, 100-111; Bull. soc. chim. Paris, 1865, n. s., **3**, 278-281; Ztschr. anal. chem., 1864, **3**, 526-529; Monit. sci., (Quesneville), 1867, 364-365; Chem. News, 1865, **11**, 279-280; J. prakt. Chem., 1865, **94**, 197-201; Am. J. Sci., 1864 [2], **38**, 417-418; Phil. Mag., 1864, **28**, 228-229; Quar. J. Sci., 1865, **2**, 665; Jsb. Chem., 1863, 197-199; Roy. Soc. C. Sci. Papers, 1868, **2**, 207; 1877, **7**, 506.
- 1863: 110. DELAFONTAINE. J.-F. Bahr. Uber . . . Sur un nouvel oxyde métallique. J. Nicklès. De la non-existence du wasium comme corps simple.
 Arch. sci. phys., 1863, **18**, 369-372; Ann. chem. (Liebig), 1864, **131**, 368-372; Jsb. Chem., 1863, 201.
- 1863: 111. DAMOUR. Note sur la Tcheffkinite de la côte du Coromandel (shows the absence of thoria).
 Bull. geol. France, 1861-1867, **19**, 550-552; Jahrb. Min., 1863, 202-203; Jsb. Chem., 1863, 824; Rammelsberg's Min. Chem., 1875, 21

- ed., 673; Dana's Min., 1874, 5th ed., 387-388; Gmelin-Kraut, Handb. anorg. Chemie, 1897, **2**, 37, 38; Roy. Soc. C. Sci. Papers, 1868, **2**, 138.
- 1863: 112. CHYDENIUS. Om Thorjord i Euxenit.
Acta Societatis Scientiarum, Fennicæ, 1863, **7**, 595-598; Bull. soc. chim., Paris, 1864, **1**, 130-134; Roy. Soc. C. Sci. Papers, 1877, **7**, 390.
- 1863: 113. NEWLANDS. On relations among the Equivalents.
Chem. News, 1863, **7**, 70-72.
- 1864: 114. NEWLANDS. Relations between Equivalents.
Chem. News, 1864, **10**, 59-60, 94-95.
- 1864: 115. DELAFONTAINE. Matériaux pour servir à l'histoire des métaux de la cerite et de la gadolinite.
Arch. sci. phys., 1864, **21**, 97-112; 1865, **22**, 30-40; 1866, **25**, 105-120; Ann. chem. (Liebig), 1865, **134**, 99-115; 1865, **135**, 188-198; Ann. der Phys. Pogg., 1865, **124**, 635-636; J. prakt. Chem., 1865, **94**, 297-304; Bull. soc. chim. Paris, 1866, **5**, 166-169; Chem. Centrbl., 1865, 654; Chem. News, 1865, **11**, 159, 172-173, 193-194, 241-242, 253; Am. J. Sci., 1865 (**2**), 40, 260; Ztschr. Chem., 1865, 266-270; 1866, 230-232; Ztschr. anal. Chem., 1866, **5**, 108-109; Jsb. Chem., 1864, 196-199; 1865, 177-180, 180-181; 1866, 184-186; Roy. Soc. C. Sci. Papers, 1877, **7**, 507.
- 1864: 116. NYLANDER. Bidrag till kannedomen om zirkonjord.
Acta Universitatis, Lund, 1864, **II**, **2**, 1-25; Jahrb. Min., 1870, 488-489; Roy. Soc. C. Sci. Papers, 1879, **8**, 521.
- 1864: 117. HERMANN. Ueber die Scheidung der Thorerde von den Oxyden der Cer-gruppe sowie über die Zusammensetzung des Monazits.
Bull. soc. imp. Moscou, 1864, **37**, pt. 4, 450-460; J. prakt. Chem., 1864, **93**, 106-114; Bull. soc. chim. Paris, 1865, n. s., **3**, 187-188; Chem. News, 1864, **10**, 307; Jahrb. Min., 1865, 237; Gmelin-Kraut, Handb. anorg. Chemie, 1874-1886, **II**¹, 560; Rammelsberg's Min. Chem., 1875, 2 Auf. **2**, 305-306; Jsb. Chem., 1864, 704-705, 863-864; Roy. Soc. C. Sci. Papers, 1877, **7**, 959.
- 1864: 118. BAHR. Ueber die wahrscheinliche Identität des Wasiums mit Thorium.
Ann. chem. (Liebig), 1864, **132**, 227-233; Bull. soc. chim. Paris, 1865, n. s., **3**, 281-282; J. prakt. Chem., 1865, **96**, 252-253; Jsb. Chem., 1864, 207-208; Dana's Min., 1874, 5th ed., 806, Suppl.; Roy. Soc. C. Sci. Papers, 1877, **7**, 68.
- 1864: 119. POPP. Notiz über das Wasiumoxyd.
Ann. Chem. (Liebig), 1864, **131**, 364-368; J. pharm., 1864 [3], **46**, 304-306; Bull. soc. chim. Paris, 1865, n. s., **3**, 419-421; Jsb. Chem., 1864, 207; Roy. Soc. C. Sci. Papers, 1879, **8**, 646.
- 1865: 120. NEWLANDS. On the Law of Octaves.
Chem. News, 1865, **12**, 83.

- 1865: 121. NEWLANDS. On the Cause of Numerical Relations among the Equivalents.
Chem. News, 1865, **12**, 94-95.
- 1865: 122. HIORTDAHL. Ueber die Einwirkung der Zirkonerde auf die Kohlensäure Alkalien (note on "Thorerde entwickelt keine Kohlensäure beim Glühen mit kohlenst. Natron.")
Ann. chem. (Liebig), 1866, **137**, 34-37; C. R., 1865, **61**, 175-178; Institut. 1865, 251; Ztschr. Chem., 1865, **8**, 619-621; J. de pharm., 1865 [4], **3**, 148; Quar. J. Sci., 1865, **2**, 664-665; Jsb. Chem., 1865, 184-186.
- 1865: 123. HERMANN. Untersuchungen über Tantal und Niobium, so wie über Ilmenium, ein neues metall.
Bull. soc. imp. Moscou, 1865, **38**, pte. 1, 291-368; J. prakt. Chem., 1865, **95**, 65-118; Ztschr. Chem., 1865, 659-666; Jahrb. Min., 1865, 855-856; Gmelin-Kraut, Handb. anorg. Chemie, 1897, **2**, 86; Rammelsberg's Min. Chem., 1875, 2d ed., 364-366, 371-375; Dana's Min., 1874, 5th ed., 512, 513, 520; Ztschr. anal. Chem., 1865, **4**, 269-270, 271-272; Jsb. Chem., 1865, 209, 209-210, 896, 898-899; Roy. Soc. C. Sci. Papers, 1877, **7**, 959.
- 1865: 124. HERMANN. Über die Zusammensetzung von Wöhlerit, Aeschnyt und Euxenit, so wie Bemerkungen über Zirkonerde.
Bull. soc. imp. Moscou, 1865, **38**, pte. 1, 465-480; J. prakt. Chem., 1865, **95**, 123-134; Jahrb. Min., 1866, 89-90; Rammelsberg's Min. Chem., 1875, 2d ed., 370; Dana's Min., 1874, 5th ed., 512, 522; Jsb. Chem., 1865, 897-898, 899; Roy. Soc. C. Sci. Papers, 1877, **7**, 959.
- 1866: 125. HERMANN. Ueber Scheidung der Zirkonerde von Titansäure und einiger anderen substanzen so wie wiederholte Prüfung des Aeschnyts auf einem Gehalt an Zirkonerde.
Bull. soc. imp. Moscou, 1866, **39**, pte. 1, 46-56; J. prakt. Chem., 1866, **97**, 337-344; Bull. soc. chim. Paris, 1866, n. s. **6**, 385-387; Ztschr. anal. Chem., 1866, **5**, 381-384; Ztschr. Chem., 1866, 404-405; Rammelsberg's Min. Chem., 1875, 2d ed., 370; Quar. J. Sci., 1866, **3**, 577; Dana's Min., 1874, 5th ed., 512, 522; Jsb. Chem., 1866, 797-799; Roy. Soc. C. Sci. Papers, 1877, **7**, 960.
- 1866: 126. HERMANN. Ueber die Zusammensetzung des Tschewkinits.
Bull. soc. imp. Moscou, 1866, **39**, pte. 1, 57-64; J. prakt. Chem., 1866, **97**, 345-350; Bull. soc. chim. Paris, 1866, n. s. **6**, 382-383; Ztschr. Chem., 1866, 405; Jahrb. Min., 1866, 834-835; Rammelsberg's Min. Chem., 1875, 2d ed., 673; Dana's Min., 1874, 5th ed., 387-388; Gmelin-Kraut, Handb. anorg. Chem., 1897, **2**, 37, 38; Jsb. Chem., 1866, 943-944; Roy. Soc. C. Sci. Papers, 1877, **7**, 960.
- 1866: 127. CHYDENIUS. Ueber das Vorkommen von Thorerde im Euxenit.
Ztschr. Chem., 1867, **10**, 94-95; Bull. soc. chim. Paris, 1866, n. s. **6**, 433-434; Chem. News, 1867, **15**, 50, 51; Chem. Centrbl., 1867, 751;

- Rammelsberg's *Min. Chem.*, 1875, 2d ed., 368-370; Dana's *Min.*, 1874, 5th ed., 512, 521, 522; *Jsb. Chem.*, 1866, 946; *Roy. Soc. C. Sci. Papers*, 1877, **7**, 390.
- 1866: 128. HERMANN. Bemerkungen zu Marignac's Untersuchungen über Niobium und Ilmenium.
 Bull. soc. imp. Moscou, 1866, **39**, pte. 1, 598-613; 1867, **40**, pte. 1, 545-553; *J. prakt. Chem.*, 1866, **99**, 21-33; 1866, **102**, 399-405; *Jsb. Chem.*, 1866, 207; 1867, 209-210; *Roy. Soc. C. Sci. Papers*, 1877, **7**, 960.
- 1866: 129. NEWLANDS. The Law of Octaves and the Causes of Numerical Relations among the Atomic Weights.
Proc. Chem. Soc. Lond., 1866, 507, 514; *Chem. News*, 1866, **13**, 113, 130.
- 1866: 130. HERMANN. Fortgesetzte Untersuchungen über Ilmenium und Aeschnit.
 Bull. soc. imp. Moscou, 1866, **39**, pte. 2, 291-306; *J. prakt. Chem.*, 1866, **99**, 279-290; *Ztschr. Chem.*, 1867, 124-125; Dana's *Min.*, 1874, 5th ed., 512, 522; *Jsb. Chem.*, 1866, 207-208, 945-946; *Roy. Soc. C. Sci. Papers*, 1877, **7**, 960.
- 1866: 131. HERMANN. Ueber die Zusammensetzung des Ilmenorutils.
 Bull. soc. imp. Moscou, 1866, **39**, pte. 2, 551-558; *J. prakt. Chem.*, 1867, **100**, 100-105; *Bull. soc. chim. Paris*, 1867, (2), **8**, 42; *Jsb. Chem.*, 1867, 997; *Roy. Soc. C. Sci. Papers*, 1877, **7**, 960.
- 1867: 132. MARIGNAC. Essais sur la séparation de l'acide niobique et de l'acide titanique. "Analyse de l'aeschnite."
Arch. sci. phys., 1867, **29**, 265-291; *J. prakt. Chem.*, 1867, **102**, 448-454; *Ztschr. Chem.*, 1867, **10**, 721-726; *Bull. soc. chim. Paris*, 1867, (2), **8**, 178-181; *Ztschr. anal. Chem.*, 1868, **7**, 104-106; *Ann. chim. phys.*, 1868 [4], **13**, 5-29; Rammelsberg's *Min. Chem.*, 1875, 2d ed., 370; 1886, *Ergänz.*, **1**, 2-3; 1895, *Zweites Suppl.*, 180; Gmelin-Krant, *Handb. anorg. Chemie*, 1897, **2**², 62; Dana's *Min.*, 1874, 5th ed., 793, *Suppl.*; *Jsb. Chem.*, 1867, 210-215, 833, 998.
- 1867: 133. WEBSKY. Ueber Sarkopsid und Kochelit, zwei neue Mineral aus Schlesien.
Ztschr. deut. geol. ges., 1867, **20**, 245-257; *Jahrb. Min.*, 1868, 606-608; Rammelsberg's *Min. Chem.*, 1875, 2d ed., 308-309, 366; Dana's *Min.*, 1874, 5th ed., *Appendix*, 8; *Jsb. Chem.*, 1868, 1013-1014.
- 1867: 134. ARPPE. Minnes-tal öfver Nils Gustaf Nordenskiöld.
Acta Societatis Scientiarum Fennicæ, 1867, **8**, pt. 2, 1-30, with notes, 31-35.
- 1867: 135. DAMOUR. A letter to Dana, April 20, 1867, pointing out the absence of thoria in tcheffkinite.
 (See Dana's *Min.*, 1874, 5th ed., 387-388.)

- 1868: 136. HERMANN. Fortgesetzte Untersuchungen über die Zusammensetzung des Aeschynits.
 Bull. soc. imp. Moscou, 1868, **41**, pte. 2, 54-70; J. prakt. Chem., 1868, **105**, 321-332; Roy. Soc. C. Sci. Papers, 1877, **7**, 960.
- 1868: 137. THALÈN. Mémoire sur la détermination des longueurs d'onde des raies métalliques.
 Nova Acta Soc. Sci. Upsala, 1868, [3], **6**, no. 9, 1-38, table I; Ann. chim. phys., 1869, (4), **18**, 202-245; Carl. Repertorium Physik, 1870, **6**, 27-61; Kayser. Spectralanalyse, 335; Roy. Soc. C. Sci. Papers, 1879, **8**, 107.
- 1868: 138. HERMANN. Ueber die Zusammensetzung des Tschewkinits von der Kuste Coromandel.
 Bull. soc. imp. Moscou, 1868, **41**, pte. 2, 71-75; J. prakt. Chem., 1868, **105**, 332-335; Rammelsberg's Min. Chem., 1875, 2d ed., 673; Jahrb. Min., 1869, 480; Jsb. Chem., 1868, 1013; Roy. Soc. C. Sci. Papers, 1877, **7**, 960.
- 1869: 139. HERMANN. Untersuchungen über die Zusammensetzung des Fergusonits.
 Bull. soc. imp. Moscou, 1869, **42**, pte. 1, 411-420; J. prakt. Chem., 1869, **107**, 129-138; Jahrb. Min., 1870, 629; Chem. News, 1869, **20**, 119; Jsb. Chem., 1869, 1230; Roy. Soc. C. Sci. Papers, 1877, **7**, 960.
- 1869: 140. EDITORIAL NOTICE. The numerical relations of atoms, new elements predicted.
 Chem. News (Amer. reprint), 1869, **4**, 217-218.
- 1869: 141. RAMMELSBURG. Ueber die Constitution des Tantalits und Colombits.
 Ber., 1869, **2**, 87-90; Chem. Centrbl., 1869, 880; Jsb. Chem., 1869, 1229-1230; Roy. Soc. C. Sci. Papers, 1879, **8**, 692.
- 1869: 142. RAMMELSBURG. Ueber die Constitution der natürlichen Tantal und Niobverbindungen. "Pyrochlor von Miask"
 Ber., 1869, **2**, 216-217; Ztschr. Chem., 1869, **12**, 442; Ztschr. dent. geol. Ges., 1869, **21**, 555-564; Chem. Centrbl., 1869, 880; Jsb. Chem., 1869, 1229; Roy. Soc. C. Sci. Papers, 1879, **8**, 692.
- 1869: 143. MENDELYEV. Sootnoshenie svoystv s atomnym vyesom elementov.
 Zhurnal Russkavo Khimicheskavo Obshestva (Journal of the Russian Chemical Society), 1869, vol. i, 60-77; J. prakt. Chem., 1869, **106**, 251; Ztschr. Chem., 1869, 405-406; Ber., 1869, **II**, 553; Chem. Centrbl., 1869, 863; Ostwald's Klassiker der Exakten Wissenschaften, Nr. 68, 1895, pp. 18-19, 20-40, Anmerkungen 119-134; Jsb. Chem., 1869, 11; Roy. Soc. C. Sci. Papers, 1879, **8**, 379.
- 1869: 144. BLUM. Pyrochlor im Kalkstein von Schelingen.
 Jahrb. Min., 1869, 732-733.

- 1869: 145. HERMANN. Fortgesetzte Untersuchungen über die Zusammensetzung des Samarskits sowie Bemerkungen über die chemische Constitution der Verbindungen der Niobmetalle.
Bull. soc. imp. Moscou, 1869, **41**, pte. 2, 463-490; J. prakt. Chem., 1869, **107**, 139-159; Chem. News, 1869, **20**, 119; Jsb. Chem., 1869, 1230-1231; Roy. Soc. C. Sci. Papers, 1877, **7**, 960.
- 1870: 146. HERMANN. Ein einfaches Verfahren der Trennung der Sauren von Niobium und Ilmenium, so wie über die Zusammensetzung des Columbits, Ferroilmenits und Samarskits.
Bull. soc. imp. Moscou., 1870, **43**, pte. 1, 50-71; J. prakt. Chem., 1870, n. s. **2**, 108-124; Ztschr. anal. Chem., 1871, **10**, 344-348; Chem. Centrbl., 1870, 551; Am. Chemist, 1871 (2), **1**, 236; Jsb. Chem., 1870, 989-991, 1311, 1312, 1312-1313; Roy. Soc. C. Sci. Papers, 1877, **7**, 960.
- 1870: 147. MEYER. Die Natur der chemischen Elemente als Function ihrer Atomgewichte.
Ann. chem. (Liebig), 1870, Suppl. **7**, 354-364; Chem. News, 1870, **21**, 252; Chem. Centrbl., 1870, 353; Jsb. Chem., 1870, 9-14; Ostwald's Klassiker der Exakten Wissenschaften, Nr. 68, 1895, 9-17, Anmerkungen 119-134; Roy. Soc. C. Sci. Papers, 1879, **8**, 394.
- 1870: 148. BLOMSTRAND. Bemerkungen über die Elemente.
Ber., 1870, **3**, 533-539; Jsb. Chem., 1870, 15-18.
- 1870: 149. MENDELYEEV. Estestvennaya sistema elementov i primyeniye yeya k ukazaniyu svoystv nyekotorykh elementov.
Zhurnal Russkavo Khimicheskavo Obshchestva (Journal of the Russian Chemical Society), 1871, part 2; Ann. chem. (Liebig), 1872, Suppl. **8**, 133-229; Ber., 1870, **3**, 990-992; Chem. Centrbl., 1871, 817; Jsb. Chem., 1871, 5-9; Ostwald's Klassiker der Exakten Wissenschaften, Nr. 68, 1895, 41-118, Anmerkungen 119-134; Roy. Soc. C. Sci. Papers, 1879, **8**, 379.
- 1870: 150. NORDENSKIÖLD. Spridda bidrag till Skandinaviens mineralogi.
Öfv. K. Vet. Akad. förh., 1870, **27**, 549-567; Dana's Min., 1874, 5th ed., 413, and Appendix II, 55; Roy. Soc. C. Sci. Papers, 1879, **8**, 514.
- 1870: 151. MENDELEJEV. Über die Stellung des Ceriums im System der Elemente.
Bull. acad. imp. des sciences de St. Petersburg, 1871, **16**, 45-51, (In le 24 novembre, 1870); Mém. phys. et chim., 1869-1873, Tome 8, livr. 4, 445-452; Tableau général, Suppl. I, 1871-1881; Publications en langues étrangères, page 18; Chem. News, 1871, **23**, 288; Chem. Centrbl., 1871, 306; Jsb. Chem., 1871, 293-294, 312; Roy. Soc. C. Sci. Papers, 1879, **8**, 379.
- 1871: 152. MENDELEJEFF. Zur Frage über das System der Elemente.
Ber., 1871, **4**, 348-352; J. Chem. Soc. Lond., 1871, **9**, 483; Gazzetta chim. italiana, 1871, **1**, 289; Chem. News, 1871, **23**, 252; Chem. Centrbl., 1871, 369; Jsb. Chem., 1871, 9; Roy. Soc. C. Sci. Papers, 1879, **8**, 379.

- 1871: 153. KNOP. Analyse des Pyrochlores von Schelingen in Kaiserstuhl Gebirge.
 Ztschr. dent. geol. ges., 1871, **23**, 656-657, 663; Jahrb. Min., 1872, 534;
 Gmelin-Kraut, Handb. anorg. Chemie, 1897, **2**¹, 61, 86; Rammelsberg's Min. Chem., 1875, 2d ed., 371-375; 1895, Zweites Suppl., 168-169; Jsb. Chem., 1871, 1165.
- 1871: 154. LUDWIG. Ueber die Dichtigkeit der Elemente verglichen mit den Dichtigkeiten ihrer oxyde.
 Ber., 1871, **4**, 538-546; Bull. soc. chim. Paris, 1871 (2), **16**, 62; Chem. Centrbl., 1871, 57; Roy. Soc. C. Sci. Papers, 1879, **8**, 278.
- 1871: 155. KNOP. Analysis of Pyrochlor.
 Bromeis, Handwörterbuch der Chemie, Band 6; Ztschr. dent. geol. ges., 1871, **23**, 656-657; Rammelsberg's Min. Chem., 1875, 2d ed., 371-375; 1895, Zweites Suppl., 168-170.
- 1871: 156. HERMANN. Fortgesetzte untersuchungen über die Verbindungen von Imenium und Niobium so wie über die Zusammensetzung der Niob-mineralien.
 Bull. soc. imp. Moscon, 1872, **45**, pte. 1, 148-216, 225-264; J. Chem. Soc. Lond., 1871, **24**, 807; 1872, **25**, 294; J. prakt. Chem., 1871, **111**, 373-427; 1871, **112**, 178-210; Gazzetta chim. italiana, 1871, **1**, 548, 614; 1872, **2**, 236-237; Bull. soc. chim. Paris, 1871 (2), **16**, 256-257; Jsb. Chem., 1871, 287-292; Roy. Soc. C. Sci. Papers, 1877, **7**, 961.
- 1871: 157. RAMMELSBURG. Über die Zusammensetzung der natürlichen Tantal und Niobverbindungen, zunächst des Tantalits, Columbites und Pyrochlores.
 Monatsberichte Königl. Akad. d. Wiss. Berlin, 1871, 157-205, 406-431, 584-611; Ann. der Phys. Pogg., 1871, **144**, 56-81, 191-213; Ber., 1871, **4**, 874-876; 1872, **5**, 17-19; Jsb. Chem., 1871, 1163-1164, 1164, 1164-1165, 1165, 1165-1166, 1167; 1872, 1128-1129; Ann. der Phys. Pogg., 1873, **150**, 198-220; Bull. soc. chim. Paris, 1872, **17**, 34-35; J. Chem. Soc. Lond., 1871, **9**, 1013; Institut, 1872, **53**, 302; Ztschr. Kryst, 1890, **16**, 387-396; J. Chem. Soc. Lond., 1872, **10**, 189-204; Gazzetta chim. italiana, 1871, **1**, 723; 1872, **2**, 113, 284-285; Chem. Centrbl., 1871, 374, 511-512, 776, 789-790; 1872, 182; 1874, 72; Rammelsberg's Min. Chem., 1875, 2d ed., 371-375; 1895, Zweites Suppl., 168-169; Gmelin-Kraut, Handb. anorg. Chemie, 1897, **2**¹, 61, 85, 86; Roy. Soc. C. Sci. Papers, 1879, **8**, 693.
- 1872: 158. RAMMELSBURG. Über das Atomgewicht des Urans.
 Ber., 1872, **5**, 1003-1006; Gazzetta chim. italiana, 1873, **3**, 59; Chem. Centrbl., 1873, 127; Jsb. Chem., 1872, 257-259; Roy. Soc. C. Sci. Papers, 1879, **8**, 694.
- 1873: 159. CLARKE. The Constants of Nature, part I, 1873, pp. 272; "Specific Gravity," etc., pp. 28, 62, 100.
 Smithsonian Misc. Coll., 1874, **12**; Roy. Soc. C. Sci. Papers, 1891, **9**, 526.

- 1873: 160. CARLSON. Krystallographische Beiträge, 1872, 12.
Ber., 1873, **6**, 1468, corresp.
- 1873: 161. MENDELYEEV. O primyeniimosti periodicheskavo zakona k tzeritovym metallam (otvyet Rammelsbergu).
Zhurnal Russkavo Khimicheskavo Obshestva (Journal of the Russian Chemical Society), 1873; Ann. Chem. (Liebig), 1873, **168**, 45-63; J. Chem. Soc. Lond., 1873, **26**, 1004-1005; Gazzetta chim. italiana, 1873, **3**, 467; 1874, **4**, 138; Ber., 1873, **6**, 558-560; Chem. Centrbl., 1873, 530; Jsb. Chem., 1873, 262-263.
- 1873-1876: 162. PETTERSON. Untersuchungen über die Molekularvolumina einiger Reihen von isomorphen Salzen.
Nova Acta Soc. Sci. Upsala, 1875, ser. 3, **9**, No. 4, 1-45; 1879, ser. 3, **10**, No. 7, 1-26; Gazzetta chim. italiana, 1875, **5**, 46; 1877, **7**, 266, 271; Ber., 1874, **7**, 477-478; 1876, **9**, 1559-1566, 1676-1679*b*; Chem. Centrbl., 1874, 354; 1876, **7**, 801; Jsb. Chem., 1874, 11; 1876, 18; Roy. Soc. C. Sci. Papers, 1894, **10**, 1047.
- 1873: 163. CLEVE. Bidrag till jordartmetallernas Kemi. Torium.
Bihang till Königl. Sv. Vet. Akad. Handl., 1874, [2], No. **6**, 1-26; Öfv. K. Sv. Vet. Akad. förh., 1874, No. **1**, p. 2; Chem. Centrbl., 1875, 274; Ber., 1875, **8**, 128-129*a*; Jsb. rein. chem., 1874, 75; 1875, 53; Gazzetta chim. italiana, 1875, **5**, 154; Gmelin-Kraut, Handb. anorg. Chemie, 1874-1886, **2**¹, 881; 1897, **2**², 274; Roy. Soc. C. Sci. Papers, 1877, **7**, 406.
- 1873: 164. RADOMINSKI. Note sur un phosphate de cérium contenant du fluor.
Bull. soc. chim. Paris, 1874, [2], **21**, 3; Chem. News, 1874, **29**, 113; Gazzetta chim. italiana, 1874, **4**, 573; Ber., 1873, **6**, 1557; Gmelin-Kraut, Handb. anorg. Chemie, 1874-1886, **2**¹, 559, 560.
- 1874: 165. RADOMINSKI. Sur un phosphate naturel de cérium renfermant du fluor.
Bull. soc. chim. Paris, 1874 [2], **21**, 49, 293-295, 385-386; Chem. News, 1874, **30**, 21; Gazzetta chim. italiana, 1875, **5**, 168; Roy. Soc. C. Sci. Papers, 1896, **11**, 92.
- 1874: 166. RADOMINSKI. Sur un phosphate de cérium renfermant du fluor.
C. R., 1874, **78**, 764-766; J. Chem. Soc. Lond., 1874, **27**, 663; Jahrb. Min., 1875, 90; Rammelsberg's Min. Chem., 1875, 2d ed., 304-305, 697; 1886, Ergänzung, I, 146; 1895, Zweites Suppl., 134-137, 137; Ber., 1874, **7**, 483; Chem., Centrbl., 1874, **5**, 292; Roy. Soc. C. Sci. Papers, 1896, **11**, 92.
- 1874: 167. TORSÖE. Beiträge zur Krystallographischen Kenntniss der Salze der sogenannten seltenen Erd-metalle.
Bihang till Königl. Sv. Vet. Akad. Handl., 1874 [2], No. **5**, 9, 10, 32, 33, crystal plates, table II, Fig. 13, p. 10; table 7, Figs. 39-41, pp. 32 and 33; Öfv. K. Sv. Vet. Akad. förh., 1873, No. **9**, p. 1; Bull. soc. chim. Paris, 1874, **22**, 353; Jsb. rein. chem., 1874, 77-78; 1875, 53; Gazzetta chim. italiana, 1875, **5**, 154; Chem. Centrbl., 1874, 786; 1875, 274; Ber., 1875, **8**, 129*a*; Roy. Soc. C. Sci. Papers, 1879, **8**, 1101.

- 1874: 168. CLEVE. Sur les combinaisons du thorium.
Bull. soc. chim. Paris, 1874, [2], **21**, 115-123; Gazzetta chim. italiana, 1874, **4**, 581-583; Ber., 1874, **7**, 188c; J. Chem. Soc. Lond., 1875, **28**, 234-236; Jsb. rein. chem., 1874, 119; Chem. News, 1874, **29**, 133-134; Am. Chemist, 1874, **5**, 140-141; Chem. Centrbl., 1874, 276; Jsb. Chem., 1874, 261-263; Roy. Soc. C. Sci. Papers, 1891, **9**, 539.
- 1874: 169. MENDELEJEFF. Ueber die Natur der Elemente.
J. d. russ. phys.-chem. Ges., 1874, January 10-22; Ber., 1874, **7**, 128-129; Chem. Centrbl., 1874, 258; Jsb. Chem., 1874, 9; Roy. Soc. C. Sci. Papers, 1894, **10**, 772.
- 1874: 170. ANALYSES of minerals showing thoria.
Dana's Min., 1874, 5th ed.; Monazite, 527, 539, 540; Kocheelite, Appendix, 8; Wasite, Suppl., 806; Xenotime? 527-529; Yttrotantalite, 512, 519, 520; Samarskite, 512, 521; Euxenite, 512, 521-522; Aeschynite, 512, 522; Suppl., 793; Mengite, 512, 525-526; Thorite, 395, 396, 413; Pyrochlore, 512, 513; Tschefkinit, 387-388.
- 1874: 171. THORIUM.
Gmelin-Kraut, Handb. anorg. Chemie, 1874-1886, **II**, 680-694.
- 1874-1875: 172. NÖRE. Nagra för Skandinavien nya mineralfynd. "Osmium-iridium och Monazit."
Geol. Fören. Förh., 1874-1875, **2**, 223.
- 1874: 173. NILSON. Om selensyrliga salter.
Öfv. K. Sv. Vet. Akad. förh., 1874, **31**, No. **1**, 33-43; Bull. soc. chim. Paris, 1874, **21**, 253-255; Chem. Centrbl., 1874, 306; Gazzetta chim. italiana, 1874, **4**, 597; Jsb. Chem., 1874, 208; Roy. Soc. C. Sci. Papers, 1894, **10**, 929.
- 1874: 174. NILSON. Researches on the salts of selenious acid (fuller account).
Nova Acta Soc. Sci. Upsala, 1875, [3], vol. **9**, No. **7**, 1-119; Bull. soc. chim. Paris, 1875, **23**, 260-263, 353-359, 494-500; Chem. Centrbl., 1875, 274, 403; Gazzetta chim. italiana, 1875, **5**, 337, 341-342, 346; Jsb. Chem., 1875, 163-165; Roy. Soc. C. Sci. Papers, 1894, **10**, 929.
- 1875: 175. KNOP. Über Koppit vom Kaiserstuhl.
Jahrb. Min., 1875, 66-69; Jsb. Chem., 1875, 1231-1232.
- 1875: 176. WIJK. Försök till en på atomvigten grundad gruppering af de kemiska elementerna.
Acta Societatis Scientiarum Fennicæ, 1875, **10**, 413-437.
- 1875: 177. BUNSEN. Spectralanalytische Untersuchungen.
Ann. der Phys. Pogg., 1875, **155**, 230-252, 366-384; Ztschr. anal. Chem., 1876, 68-100; Phil. Mag., 1875, **50**, 417-430, 527-539; Dingl. Pol. J., 1876, **220**, 43-48; Chem. Centrbl., 1875, 561; Graham-Otto Michaelis Lehrbuch Chem., 1881, 5th ed., **II**, 1033; Jsb. Chem., 1875, 95, 121, 128-129; Roy. Soc. C. Sci. Papers, 1891, **9**, 399.

- 1875: 178. NILSON. Zur Frage über die Valenz der seltenen erdmetalle.
 J. Russ. chem. Ges., 1877, **9**, 2, 98; Ber., 1875, **8**, 655-660a; Arch. sci. Phys., 1875, **53**, 241-243; Chem. Centrbl., 1875, 449; Gazzetta chim. italiana, 1875, **5**, 264; Jsb. rein. Chem., 1875, 53-54; Roy. Soc. C. Sci. Papers, 1894, **10**, 929.
- 1876: 179. NILSON. Zur Frage über die Valenz der seltenen erdmetalle.
 Ber., 1876, **9**, 1056-1061b; Bull. soc. chim. Paris, 1877, [2], **27**, 206-207; Am. Chemist, 1876, **7**, 242, 243; Chem. Centrbl., 1876, 594; Gazzetta chim. italiana, 1876, **6**, 567; Jsb. Chem., 1876, 292-295; Roy. Soc. C. Sci. Papers, 1894, **10**, 929.
- 1876: 180. NILSON. Zur Frage über die Valenz der seltenen erdmetalle.
 Ber., 1876, **9**, 1142-1148b; Am. Chemist, 1876, **7**, 242, 243; Gazzetta chim. italiana, 1877, **7**, 48; Jsb. Chem., 1876, 292-295; Chem. Centrbl., 1876, 691; Roy. Soc. C. Sci. Papers, 1894, **10**, 929.
- 1876: 181. NILSON. Untersuchung über Chlorosalze und Doppelnitrite des Platins.
- I. Ueber einige Chloroplatinate.—Nova Acta Soc. Sci. Upsala, 1877 [3], No. **15**, 1-90, vol. extraordinary; Öfv. K. Sv. Vet. Akad. förh, 1876, **33**, No. 7, 3-10; Bull. soc. chim. Paris, 1877 (2), **27**, 208-209; J. prakt. Chem., 1877 [2], **15**, 177, 260-294; Chem. News, 1877, **36**, 183; Gazzetta chim. italiana, 1877, **7**, 385; Chem. Centrbl., 1877, 274, 450; Ber., 1877, **10**, 1725; Roy. Soc. C. Sci. Papers, 1894, **10**, 929.
- II. Ueber Chloroplatinite.—Nova Acta Soc. Sci. Upsala, 1877 [3], No. **15**; Öfv. K. Sv. Vet. Akad. förh, 1876, **33**, No. 7, 11-22; Bull. soc. chim. Paris, 1877, **27**, 210-214; J. prakt. Chem., 1877 [2], **15**, 260-294; Chem. Centrbl., 1877, 274, 450; J. Chem. Soc. Lond., 1877, **32**, 277-278; Gazzetta chim. italiana, 1877, **7**, 532; 1878, **8**, 160; Roy. Soc. C. Sci. Papers, 1894, **10**, 929.
- III. Ueber Plato- und Diplatonitrite.—Nova Acta Soc. Sci. Upsala, 1877 [3], No. **15**; Öfv. K. Sv. Vet. Akad., 1876, **33**, No. 7, 23-24; Bull. soc. chim. Paris, 1877, **27**, 242-247; J. prakt. Chem., 1877 [2], **16**, 241-278; Gazzetta chim. italiana, 1877, **7**, 322; Chem. News, 1876, **34**, 270; 1878, **37**, 31; Chem. Centrbl., 1877, **8**, 98, 291; 1878, 211-212; Ber., 1876, **9**, 1722-1730 (part only); J. Chem. Soc. Lond., 1877, **32**, 115; 1878, **34**, 274-277; Ber., 1877, **10**, 1725; Jsb. Chem., 1876, 295-297; Roy. Soc. C. Sci. Papers, 1894, **10**, 929.
- IV. Platonitrosylsäure.—Ber., 1877, **10**, 934-936; Chem. Centrbl., 1877, 450; Jsb. Chem., 1877, 310-313.
- 1876: 182. CLARKE. The Constants of Nature, 1876, part 1, 1st Suppl., pp. 62. "Specific Gravity, etc.," pp. 17, 18, 21.
 Smithsonian Misc. Coll., 1878, vol. **14**; Roy. Soc. C. Sci. Papers, 1891, **9**, 526.
- 1876: 183. CLARKE. The Constants of Nature, part 2, pp. 58. "Atomic Wt.," p. 20.
 Smithsonian Misc. Coll., 1878, vol. **14**; Roy. Soc. C. Sci. Papers, 1891, **9**, 526.

- 1876: 184. CLARKE. The Constants of Nature, 1876, part 3, pp. 58.
 "Coefficients of Expansion of Thorium" (not determined), p. 16.
 Smithsonian Misc. Coll., 1878, vol. **14**; Roy. Soc. C. Sci. Papers, 1891,
9, 526.
- 1876: 185. RAMMELSBERG. Ueber die Atomgewichte der Cer und
 Yttrium metalle.
 Ber., 1876, **9**, 1580-1583*b*; J. Chem. Soc. Lond., 1877, **31**, 282-283;
 Gazzetta chim. italiana, 1877, **7**, 267; Jsb. Chem., 1876, 240; Roy.
 Soc. C. Sci. Papers, 1896, **11**, 97.
- 1877: 186. RAMMELSBERG. Ueber Nephelin, Monacit und Silberwis-
 muthglanz.
 Ztschr. dent. geol. ges., 1877, **29**, 77-81; Jahrb. Min., 1877, 830-831;
 Jsb. Chem., 1877, 1298; Ztschr. Kryst., 1879, **3**, 101; Rammels-
 berg's Min. Chem. 1886, Ergänzt., I, 168-170; Roy. Soc. C. Sci.
 Papers, 1896, **11**, 97.
- 1877: 187. RAMMELSBERG. Ueber die Zusammensetzung des Aeschy-
 nits und Samarskits.
 Monatsberichte Königl. Akad. d. Wiss. Berlin, 1877, 656-673; Ztschr.
 dent. geol. ges., 1877, **29**, 815-818; Jahrb. Min., 1878, 529; Ztschr.
 Kryst., 1879, **3**, 101-102; Ber., 1878, **11**, 254*a*; Chem. Centrbl.,
 1878, 135; Ann. der Phys. Pogg., 1877 [**2**], **2**, 658-665; Dana's
 Min., 1874, 5th ed., 339-340, 522; Appendix III, 2, 106; Dana's Text
 Book of Min., 1878, 339-340; Rammelsberg's Min. Chem., 1886,
 Ergänzt., I, 2-3, 199-201; 1895, Zweites Suppl., 180; Jsb. Chem., 1877,
 1344-1346; Roy. Soc. C. Sci. Papers, 1896, **11**, 97.
- 1877: 188. NORDENSKIÖLD. Torit fran felseppatsbrodden nära Arendal.
 Geol. Fören. Förh., 1876-1877 [**3**], No. **7** (No. **35**), 207, 226-229;
 Jahrb. Min., 1877, 537-538; Bull. soc. franç. min., 1878, **1**, 51-52;
 Ztschr. Kryst., 1877, **1**, 383-384; Ber., 1877, **10**, 1727*b*; Rammels-
 berg's Min. Chem., 1886, Ergänzt., I, 230-231; Gmelin-Kraut, Hand-
 buch anorg. Chemie, 1874-1886, **11**¹, 881; Chem. Centrbl., 1877, **8**,
 776; Jsb. Chem., 1877, 1276.
- 1877: 189. DELAFONTAINE. Recherches sur quelques minéraux nio-
 bifères et tantalifères.
 Arch. sci. phys., 1877, **59**, 176-187; J. de pharm., 1878 [4], **28**, 540-
 542; Am. J. Sci., 1877 [3], **13**, 390; Ztschr. Kryst., 1877, **1**, 503;
 Chem. Centrbl., 1877, 552; Jsb. Chem., 1877, 251, 288, 1346; Roy.
 Soc. C. Sci. Papers, 1891, **9**, 666.
- 1877: 190. READWIN. Notes on some Norwegian minerals.
 Min. Mag., 1877, **1**, 229-233; Roy. Soc. C. Sci. Papers, 1896, **11**, 121.
- 1877: 191. SMITH. The earths of the cerium group as found in the
 North Carolina samarskite.
 Am. J. Sci., 1877, (3), **14**, 509; Ztschr. Kryst., 1878, **2**, 194; Roy. Soc.
 C. Sci. Papers, 1896, **11**, 438.

- 1877: 192. **ENGSTROM.** Undersökning af några mineral som innehålla sällsynta jordarter.
 Inaugural dissertation, Upsala, 1877; Ztschr. Kryst, 1879, **3**, 191-201; Ber., 1877, **10**, 1727; Chem. Centrbl., 1877, 776; Rammelsberg's Min. Chem., 1886, Ergänzt., I, 87; 1895, Zweites Suppl., 305-306, 307-308; Bull. soc. franç. min., 1880, **4**, 46; Jsb. Chem., 1879, 1207, 1209-1212, 1212, 1213, 1238.
- 1877: 193. **KNOB.** Dysanalyt, ein pyrochlorartiges mineral.
 Ztschr. Kryst, 1877, **1**, 284-296; Min. Mag., 1877, **I**, 186-187; Bull. soc. franç. min., 1878, **1**, 53; Jahrb. Min., 1877, 647; Dana's Min., 1874, 5th ed., Appendix 3, 40; Rammelsberg's Min. Chem., 1886, Ergänzt., I, 82; Jsb. Chem., 1877, 1347-1348; Roy. Soc. C. Sci. Papers, 1894, **10**, 421.
- 1877: 194. **PAJKULL.** Eukrasit, ett nytt mineral fran Brevig.
 Geol. Fören. förh., 1876-1877, [**3**], No. **12** (No. **40**), 350-352; Ztschr. Kryst, 1878, **2**, 308-309; Min. Petr. Mitth., 1878, (**2**), **1**, 81; Bull. soc. franç. min., 1878, **1**, 11; Jahrb. Min., 1878, 209-210; Jsb. rein. Chem., 1878, 116; Rammelsberg's Min. Chem., 1886, Ergänzt., I, 90-91; 1895, Zweites Suppl., 455; Dana's Min., 1874, 5th ed., Appendix III, 43-44; Jsb. Chem., 1878, 1272; Roy. Soc. C. Sci. Papers, 1894, **10**, 982.
- 1877: 195. **SMITH.** Examination of American minerals. No. 6.—Description of Columbic Acid Minerals from new localities in the United States, embracing a reclamation for the restoration of the name Columbium to the element now called Niobium. Description and analyses of Columbite, Samarskite, Euxenite, and Fergusonite, and the new species Hatchettolite, and Rogersite.
 Am. J. Sci., 1877, (3), **13**, 359-369; Ann. chim. phys., 1877, [**5**], **12**, 253-264; C. R., 1877, **84**, 1036-1038; Ztschr. Kryst, 1877, **I**, 499-502; Bull. soc. franç. min., 1878, **1**, 52, 142; Jahrb. Min., 1877, 728-729; Min. Mag., 1877, **I**, 189-191; Gazzetta chim. italiana, 1877, **7**, 485; Rammelsberg's Min. Chem., 1886, Ergänzt., I, 199-201; Smith, Orig. Researches in Min. and Chem., 193-204; Ber., 1877, **10**, 1177; Chem. Centrbl., 1877, 408, 424, 742; Jsb. Chem., 1877, 288, 1342-1343; Roy. Soc. C. Sci. Papers, 1896, **11**, 438.
- 1877: 196. **SMITH.** On the Earthy Oxides of Samarskite.
 Acad. Nat. Sciences, Phila., Proc. 1877, **3**^o, **7**, 194.
- 1878: 197. **SMITH.** A short account of the Nature of the Oxide of the New Element, Mosandrum.
 Amer. Assoc. for Adv. of Sci., Proc. 1878, **27**, 143-147; Smith, Original researches, 325-329; Roy. Soc. C. Sci. Papers, 1896, **11**, 438.
- 1878: 198. **SMITH.** Note sur une nouvelle terre du groupe du cérium et remarques sur une méthode d'analyse des columbates naturels. Le mosandrum, un nouvel élément.
 C. R., 1878, **87**, 146-148; Arch. sci. phys., 1878, **63**, 165-172; Phil. Mag., 1878 (5), **6**, 238-240; Am. J. Sci., 1878, **16**, 384; Chem. News,

1878, **38**, 61; La correspondance scientifique, 1878, July 30; Chem. Centrbl., 1878, 642; Jsb. Chem., 1878, 262; Roy. Soc. C. Sci. Papers, 1896, **11**, 438.

1878: 199. DELAFONTAINE. Sur le mosandrum de M. Lawrence Smith. C. R., 1878, **87**, 609-602; Chem. Centrbl., 1878, 770-771; Jsb. Chem., 1878, 262; Roy. Soc. C. Sci. Papers, 1891, **9**, 666.

1878: 200. DELAFONTAINE. Sur le terbium et ses composés et sur l'existence probable d'un nouveau métal dans la samarskite de la Caroline du Nord. 1^o memoire.

Ann. chim. phys., 1878, [5], **14**, 238-247; Arch. sci. phys., 1878, **61**, 273-282; Chem. Centrbl., 1878, **9**, 594-595; Jsb. Chem., 1878, 255-257; Roy. Soc. C. Sci. Papers, 1891, **9**, 666.

1878: 201. SORET. Recherches sur l'absorption des rayons ultra-violetes par diverses substances. 1^e et 2^e memoire.

Arch. sci. phys., 1877, [2], **60**, 298-300; 1878, [2], **61**, 322-359; 1879, [2], **63**, 89-112; C. R., 1878, **86**, 708-711, 1062-1064; Beibl. Ann. der Phys., 1878, **2**, 30-31, 235, 302, 347, 410-411, 573; 1879, **3**, 196-197; Chem. Centrbl., 1878, 418; Jsb. Chem., 1878, 181, 181-182.

1878: 202. NORDENSKIÖLD (analyses by Lindström). Cleveit, ett nytt ytthro-uran mineral fran Garta felsspats-brott nara Arendal.

Geol. Fören. Förh., 1878-1879, Bd. **4**, No. **1**, (**43**), 28-32; Jahrb. Min., 1878, 406-407; Ztschr. Kryst., 1879, (**3**), 201-202; Bull. soc. franç. min., 1878, **1**, 10; Min. Petr. Mitth., 1878, (**2**), **1**, 289-290; Rammelsberg's Min. Chem., 1886, Ergänzt., I, 247-248; 1895, Zweites Suppl., 67-74; Dana's Min., 1874, 5th ed., Appendix III, 27-28; Jsb. Chem., 1878, 1216-1217; Roy. Soc. C. Sci. Papers, 1894, **10**, 937.

1878: 203. BLOMSTRAND. Titanater fran Smaland jemte nagra anmärkningar rörande dylika mineraliers undersökning.

Fysiograf. Sällsk. i Lund. Minneskrift, 1878, **38**, No. 3, 1-41, in sep. abdr.; Geol. Fören. Förh., 1878-1879, **4**, 359; Öfv. K. Sv. Vet. Akad. förh., 1879, **36**, No. 2, 18; Ztschr. Kryst., 1880, **4**, 520-525; Jsb. rein. Chem., 1879, 100; Ber., 1879, **12**, 1721-1723b; Min. Petr. Mitth., 1880, [2], **3**, 453-454; Chem. Centrbl., 1879, 663; Jsb. Chem., 1879, 1237; 1880, 1477, 1478.

1878: 204. DAMOUR. Sur la Freyalite.

Bull. soc. franç. min., 1878, **1**, 33-35; Ztschr. Kryst., 1879, **3**, 637-638; Min. Petr. Mitth., 1879, (2), **2**, 437-438; Dana's Min., 1874, 5th ed., Appendix III, 48; Rammelsberg's Min. Chem., 1886, Ergänzt., I, 106; Jsb. Chem., 1879, 1237.

1878: 205. SMITH. Note au sujet de l'élément appelé mosandrum.

C. R., 1878, **87**, 831-834; Smith, Orig. Researches, 330-333; Jsb. Chem., 1878, 262; Roy. Soc. C. Sci. Papers, 1896, **11**, 438.

- 1878: 206. DELAFONTAINE. Sur le décipium, métal nouveau de la samarskite.
C. R., 1878, **87**, 632-634; Chem. News, 1878, **38**, 223; J. de pharm., 1878, **28**, 540-542; Jsb. Chem., 1878, 259; Beibl. Ann. der Phys., 1879, **3**, 197; Chem. Centrbl., 1878, **9**, 801-802; Ber., 1879, **12**, 364a; Roy. Soc. C. Sci. Papers, 1891, **9**, 666.
- 1878: 207. DELAFONTAINE. Le didyme de la cériite est probablement un mélange de plusieurs corps.
C. R., 1878, **87**, 634-635; Chem. News, 1878, **38**, 253; Beibl. Ann. der Phys., 1879, **3**, 197-198; Chem. Centrbl., 1878, 802; Jsb. Chem., 1878, 259-260.
- 1879: 208. NILSON. Om Scandium, en ny jordmetall.
Öfv. K. Sv. Vet. Akad. Förh., 1879, **36**, No. **3**, 2, 47-51; C. R., 1879, **88**, 645-648; Beibl. Ann. der Phys., 1879, **3**, 297, 359, 377, 766; Chem. Centrbl., 1879, **10**, 355-356; Ber., 1879, **12**, 554-557; Jsb. Chem., 1879, 242-244; Roy. Soc. C. Sci. Papers, 1894, **10**, 929.
- 1879: 209. SORET. Sur la fluorescence des sels des métaux terreux.
C. R., 1879, 1077-1079; Ber., 1879, 2078; Chem. News, 1879, **39**, 262; Beibl. Ann. der Phys., 1879, **3**, 620; Jsb. Chem., 1879, 149-150.
- 1879: 210. RUDOLPH HERMANN. Nekrolog.
Bull. soc. imp. Moscou, 1879, **54**, No. **3**, 159-182; Roy. Soc. C. Sci. Papers, 1894, **10**, 204.
- 1879: 211. CARNELLEY. Influence of Atomic Weights.
Phil. Mag., 1879, **8**, 305-324, 368-381, 461-476; Chem. News, 1879, **39**, 281-282; Chem. Centrbl., 1879, 593; Jsb. Chem., 1879, 17-18; Roy. Soc. C. Sci. Papers, 1891, **9**, 447.
- 1880: 212. CARNELLEY. Mendelejeff's periodic law and the magnetic properties of the elements.
J. Chem. Soc. Lond., 1880, **38**, 206; Chem. News, 1879, **40**, 183-184; Chem. Centrbl., 1879, **10**, 769; Ber., 1879, **12**, 1958-1961; Jsb. Chem., 1879, 18-19; Roy. Soc. C. Sci. Papers, 1891, **9**, 447.
- 1880: 213. NILSON. Om ytterbiums atomvigt.
Öfv. K. Sv. Vet. Akad. Förh., 1880, **37**, No. **6**, 2, 3-13; C. R., 1880, **91**, 56-59; Ber., 1880, **13**, 1430-1438b; Chem. Centrbl., 1880, 563; Beibl. Ann. der Phys., 1880, **4**, 573, 626, 633; Roy. Soc. C. Sci. Papers, 1894, **10**, 929.
- 1880: 214. BECKER. The Constants of Nature, 1880, part 4, Atomic Weight Determinations. A Digest of the Investigations published since 1814, pp. 152.
Smithsonian Misc. Coll., 1883, **27**; "Thorium," 120-122.
- 1880: 215. CLARKE. Specific Gravity Determinations.
Am. Chem. J., 1880-1881, **2**, 174-175; Ber., 1879, **12**, 1398-1399; Jsb. Chem., 1879, 30-31; Roy. Soc. C. Sci. Papers, 1891, **9**, 526.

- 1880: 216. DELAFONTAINE. Sur le décipium et ses principaux composés.
Arch. sci. phys., 1880, **3**, 250-260; Jsb. Chem., 1880, 298-299; Roy. Soc. C. Sci. Papers, 1891, **9**, 666.
- 1880: 217. SORET. Recherches sur l'absorption des rayons ultra-violetes par diverses substances (3d memoire).
Arch. sci. phys., 1880 [**3**], **4**, 261-292, 377-380; Beibl. Ann. der Phys., 1880, **4**, 694, 845; Jsb. Chem., 1880, 214.
- 1880: 218. NILSON and PETTERSON. Om de sällsynta jordarternas och deras sulfats molekylarvärme och-volyum.
Öfv. K. Sv. Vet. Akad. Förh., 1880, **37**, No. **1**, 1; No. **6**, 2, 45-52; Roy. Soc. Lond. Proc., 1881, **31**, 46-51; J. Chem. Soc. Lond., 1880, **38**, 838-839; C. R., 1880, **91**, 232-235; Chem. News, 1880, **42**, 119-120; 1881, **43**, 17-19; Les Mondes, 1883 [**3**], 414; Beibl. Ann. der Phys., 1880, **4**, 574, 626, 635-636; Chem. Centrbl., 1880, **11**, 612; Ber., 1880, **13**, 1459-1465; 1881, **14**, 354; Jsb. Chem., 1880, 237-238; Roy. Soc. C. Sci. Papers, 1894, **10**, 930, 1048.
- 1880: 219. MEYER. Zur Geschichte der periodischen atomistik.
Ber., 1880, **13**, 259-265, 2043-2044; Chem. News, 1880, **41**, 203; J. Chem. Soc. Lond., 1881, **40**, 138; Chem. Centrbl., 1880, 194; Jsb. Chem., 1880, 3.
- 1880: 220. MENDELEJEV. La loi périodique des éléments chimiques.
Monit. Sci. Quesneville, 1879, **21**, 689, 691-737; Chem. News, 1879, **40**, 231-232, 243-244, 255-256, 267-268, 279-280, 291-292, 303-304; Chem. News, 1880, **41**, 2-3, 27-28, 39-40, 49-50, 61-62, 71-72, 83-84, 93-94, 106-108, 113-114, 125-126; J. Chem. Soc. Lond., 1881, **40**, 138; Chem. Centrbl., 1880, 801; Beibl. Ann. der Phys., 1881, **5**, 4; Ber., 1880, **13**, 1796-1804; Jsb. Chem., 1880, 3-4; Roy. Soc. C. Sci. Papers, 1894, **10**, 772.
- 1880: 221. COLLIER. Analysis of a mineral resembling Thorite, Uranothorite.
J. Am. Chem. Soc., 1880, **2**, 73-75; C. R., 1882, **95**, 784-786; Am. J. Sci., 1881, [**3**], **21**, 161; Ztschr. Kryst., 1881, **5**, 514-515; Ber., 1880, **13**, 1740 Ref.; Jahrb. Min., 1881, **2**, 175 Ref.; Bull. soc. franç. min., 1882, **5**, 117; Gmelin-Kraut, Handb. anorg. Chemie, 1874-1886, **II**, 881; Dana's Min., 1874, 5th ed., Appendix III, 121-122; Rammelsberg's Min. Chem., 1886, Ergänzt., **1**, 230-231; Jsb. Chem., 1881, 1361
- 1881: 222. MENDELYEV. Soobshechenie po povodu mnogikh vnov otkrytykh Marinyakom Delafontenom Kleve i Nilsonom tzeritovykh i gadolinitovykh metallov.
Zhurnal Russkavo Khimicheskavo Obshestva (Journal of the Russian Chemical Society, 1881, vol. 13, Chemical Div. 1st protokol, pp. 517-520); Bull. soc. chim. Paris, 1881, [**2**], **38**, 139-142; Ber., 1881, **14**, 2821-2823; Chem. Centrbl., 1882, 209-210; Jsb. Chem., 1881, 8; 1882, 287; Beibl. Ann. der Phys., 1881, **6**, 315; 1883, **7**, 419; Roy. Soc. C. Sci. Papers, 1894, **10**, 772.

- 1881: 223. LORENZEN. Undersøgelse af nogle Mineralier i sodalith, syeniten fra Julianehaabs-Distrikt. Meddelelser om Grönland-udgaven af Commissionen for Ledelsen af de geologiske og geographiske Undersøgelser i Grönland. Andet Hefte 1881, 45-79, Kjöbenhavn.
- Jahrb. Min., 1883, **58**, **2**, 18-21; J. Chem. Soc. Lond., 1883, **44**, 960-961; Ztschr. Kryst., 1883, **7**, 605-611; 1890, **16**, 494, 495; Min. Mag., 1882-1884, **23**, **5**, 49-70; Rammelsberg's Min. Chem., 1886, Ergänz., **1**, 223; 1895, Zweites Suppl., 455; Roy. Soc. C. Sci. Papers, 1894, **10**, 632.
- 1881: 224. BRÖGGER. Nogle bemærkninger om pegmatit gangene ved Moss og deres mineraler.
- Geol. Fören. Förh., 1881, Bd. **5**, No. **8**, (**64**), 326-376; Jahrb. Min., 1882, **1**, 349-352 Ref.; 1883, **1**, 80-81; Ztschr. Kryst., 1885, **10**, 494-496; Min. Mag., 1882-1884, **5**, 112; Rammelsberg's Min. Chem., 1886, Ergänz., **1**, 7-8; 1895, Zweites Suppl., 167; Dana's Min., 1874, 5th ed., Appendix III, 7; Jsb. Chem., 1883, 1924; Roy. Soc. C. Sci. Papers, 1891, **9**, 363.
- 1881: 225. RENARD. Notice sur la monazite des carrières de Nil-St. Vincent.
- Bull. de l'acad. Royale de Belgique, 1881, [**3**], t. **2**, No. **8**, 128-133; Jahrb. Min., 1883, **57**, **1**, 183, Ref.; Ztschr. Kryst., 1882, **6**, 544; Roy. Soc. C. Sci. Papers, 1896, **11**, 144.
- 1881: 226. RAMMELSBURG. Schwefelsaure Thorerde.
- Rammelsberg's Handb. d. Kryst. Phys. Chem., 1881, **1**, 445.
- 1881: 227. BRAUNER. On the atomic weight of Beryllium.
- Phil. Mag., 1881, [**5**], **11**, 65-71; Chem. Centrbl., 1881, 298; Ber., 1881, **14**, 53-58; J. Chem. Soc. Lond., 1881, 224; Jsb. Chem., 1881, 4; Roy. Soc. C. Sci. Papers, 1891, **9**, 336.
- 1881: 228. BRAUNER and WATTS. Ueber die specifischen Volumina der Oxyde.
- Phil. Mag., 1881, **11**, 60-64; Ber., 1881, **14**, 48-53; Chem. Centrbl., 1881, 225; Jsb. Chem., 1881, 35; Roy. Soc. C. Sci. Papers, 1891, **9**, 336.
- 1881: 229. HIDDEN. Notes on Mineral Localities in North Carolina. I.
- Am. J. Sci., 1881, [**3**], **22**, 21-25; (continuation), 1882, [**3**], **24**, 372-374; Jahrb. Min., 1882, **2**, 361 Ref.; 1883, **2**, 148-149; Ztschr. Kryst., 1882, **6**, 517; 1884, **9**, 79-80; Chem. News, 1882, **46**, 205; Jsb. Chem., 1881, 1357, 1362, 1375, 1407; 1882, 1573, 1574; Roy. Soc. C. Sci. Papers, 1894, **10**, 225.
- 1881: 230. CROOKES. Discontinuous phosphorescent spectra in high vacua.
- Roy. Soc. Lond. Proc., 1881, **32**, 206-213; Ann. chim. phys., 1881, [**5**], **23**, 555-565; Chem. News, 1881, **43**, 237-239; C. R., 1881, **92**, 1281-1283; Nature, 1881, **24**, 89-91; Ber., 1881, **14**, 1696-1697; Jsb. Chem., 1881, 130-132; Roy. Soc. C. Sci. Papers, 1891, **9**, 608.

- 1881: 231. LINDSTROM. Analys af Thorit fran Hitterö.
 Geol. Fören. Förh., 1880-1881, Bd. 5, No. 11, (67), 454, 500; Ztschr. Kryst., 1882, 6, 513; J. Chem. Soc. Lond., 1882, 42, 290; Jahrb. Min., 1882, 1, 29, Ref.; Min. Mag., 1882-1884, 5, 111; Gmelin-Krant, Handb. anorg. Chemie, 1874-1886, II, 881; Rammelsberg's Min. Chem., 1886, Ergänzt., I, 230-231; Jsb. Chem., 1882, 1528.
- 1881: 232. GERBER. Relations entre les poids atomiques des éléments. Les Mondes, 1881, 54, 240-245; Chem. News, 1881, 43, 242-243; Chem. Centrbl., 1881, 417; Jsb. Chem., 1881, 7, 8; Roy. Soc. C. Sci. Papers, 1891, 9, 988.
- 1881: 233. CLARKE. An abstract of the results obtained in a recalculation of the atomic weights.
 Am. Chem. J., 1881-1882, 3, 263-275; Phil. Mag., 1881, [5], 12, 101-112; Jsb. Chem., 1881, 6, 7; Beibl. Ann. der Phys., 1881, 914; Chem. Centrbl., 1883, 200-201; Roy. Soc. C. Sci. Papers, 1891, 9, 526.
- 1881: 234. BRAUNER. Beitrag zur Chemie der Ceritmetalle. Erste Abtheilung. Experimenteller Theil.
 Sitzungsber. Akad. d. Wien, math-naturw. Cl., 1881, (2 Abth.), 84, 1165-1224; Monatsh. Chem., 1882, 3, 1-60; Anzeiger der Kaiserl. Akademie der Wiss. Wien, October 6, 1881, and June 9, 1882, 19, 14-19, 131-132, 136, 184-185; J. Chem. Soc. Lond., 1882, 41, 68-79; Ber., 1882, 15, 109-115; Chem. Centrbl., 1882, 13, 150-151, 229; Beibl. Ann. der Phys., 1882, 6, 260, 304, 407, 418-420; Chem. News, 1882, 46, 249-250; Bull. soc. chim. Paris, 1882, 38, 176-178; Monit. sci. Quesneville, 1882, (3), 12, 595-610, 610-625; Tagebl. der Naturforscher Verein zu Salzburg, 1881, Sept. 21, 48-49; C. R., 1882, 94, 1718-1719; Monit. sci. Quesneville, 1882, [3], 12, 794-795; Beibl. Ann. der Phys., 1882, 6, 604, 722; Ber., 1882, 15, 2231b; J. Chem. Soc. Lond., 1883, 44, 18; Chem. Centrbl., 1882, 13, 616; Chem. News, 1882, 46, 16-17; Jsb. Chem., 1882, 282-285; Roy. Soc. C. Sci. Papers, 1891, 9, 336.
- 1881: 235. WATT. Mineral from Vegetable Creek, New South Wales. Annual Report of the Dept. of Mines, Sydney, N. S. Wales, 1881, 26-27.
- 1882: 236. BRAUNER. Beitrag zur Chemie der Ceritmetalle, II.
 Sitzungsber. Akad. d. Wien, math-naturw. Cl., 1882, (2 Abth.), 86, 168-185; Monatsh. Chem., 1882, 3, 486-503; J. Chem. Soc. Lond., 1883, 43, 278-289; Am. Chem. J., 1883, 5, 300; Beibl. Ann. der Phys., 1882, 6, 822, 823; 1883, 7, 214, 634; 1883, 7, 44, (Lit. Uebers.); Ber., 1882, 15, 2357b; 1883, 1860-1861; Chem. Centrbl., 1882, 13, 616-617; 1883, 14, 291, 586; Chem. News, 1883, 47, 175; Jsb. Chem., 1882, 285-286; 1883, 354-357; Roy. Soc. C. Sci. Papers, 1891, 9, 336.
- 1881-1882: 237. WEIBULL. Om Zirkonium och dess föreningar.
 Acta Universitatis, Lund., 1881-1882, 18, [2], 5, 1-75; Ber., 1887, 1391-1396; Jsb. Chem., 1887, 553.

- 1881 : 238. BRAUNER. Über den Begriff des periodischen Gesetzes der Elemente.
Tagebl. d. naturf.-Ver. zu Salzburg, 1881, 49-50; Chem. Centrbl., 1882, **13**, 84-85.
- 1882 : 239. BRAUNER. Ueber die Stellung der seltenen Erdmetalle im periodischen System der Elemente.
Ber., 1882, **15**, 115-121; Bull. soc. chim. Paris, 1882, **2**, 178; Chem. Centrbl., 1882, 201; Beibl. Ann. der Phys., 1882, **6**, 407; Jsb. Chem., 1882, 21; Roy. Soc. C. Sci. Papers, 1891, **9**, 336.
- 1882 : 240. ROSCOE. A study of some of the earth metals contained in samarskite.
J. Chem. Soc. Lond., 1882, **41**, 277-282; Monit. sci. Quesneville, 1883, [**3**], **13**, 246-247; Ber., 1882, **15**, 1274-1280; Chem. Centrbl., 1882, 341, 465; J. de pharm., 1882, [**5**], **6**, 515-516; Chem. News, 1882, **45**, 184; Ztschr. Kryst., 1884, **9**, 105; Jsb. Chem., 1883, 361.
- 1882 : 241. KÖNIG. Notes on monazite (absence of thorium mentioned).
Proc. Acad. Nat. Sci., Phila., 1882, 15-16; Jahrb. Min., 1885, **61**, **1**, 14, Ref.; Ztschr. Kryst., 1883, **7**, 423; Jsb. Chem., 1882, 1541-1542; 1883, 1862; Roy. Soc. C. Sci. Papers, 1894, **10**, 439.
- 1882 : 242. DUNNINGTON. Columbite, orthite, and monazite from Amelia Co., Va.
Am. Chem. J., 1882-1883, **4**, 138-140; Jahrb. Min., 1885, **61**, **1**, 6, 14 Ref.; Ztschr. Kryst., 1883, **7**, 423; J. Chem. Soc. Lond., 1882, **42**, 1175; Chem. Centrbl., 1882, 643-644; Rammelsberg's Min. Chem., 1886, Ergänzt., I, 168-170; Jsb. Chem., 1883, 1862; Roy. Soc. C. Sci. Papers, 1891, **9**, 754.
- 1882 : 243. WOITSCHACH. Das Granitgebirge von Königshain in der Oberlausitz mit besonderer Berücksichtigung der darin vorkommenden Mineralien.
Abhandl. der naturf. Gesellsch. zu Gortitz, 1881, **17**, 141-197; Ztschr. Kryst., 1883, **7**, 82-88; Jsb. Chem., 1882, 1582-1583.
- 1882 : 244. PENFIELD. On the Occurrence and Composition of some American varieties of Monazite.
Am. J. Sci., 1882 [**3**], **24**, 250-254; Ztschr. Kryst., 1883, **7**, 366-370; Jahrb. Min., 1883, **58**, **2**, 165-166 Ref.; Bull. soc. franç. min., 1883, **6**, 70; Chem. Centrbl., 1882, 816; Jsb. Chem., 1883, 1861-1862; Rammelsberg's Min. Chem., 1886, Ergänzt., I, 168-170; Rammelsberg's Min. Chem., 1895, Zweites Suppl., 134-137; Roy. Soc. C. Sci. Papers, 1894, **10**, 1020.
- 1882 : 245. NILSON. Undersökningar öfver thorit och thoriums equivalent.
Öfv. K. Sv. Vet. Akad. Förh., 1882, **39**, No. **7**, 1, 3-24; Ber., 1882, **15**, 2519-2537b, 2906; Ann. chim. phys., 1883, [**5**], **30**, 563-567; C. R., 1882, **95**, 729-730; Am. Chem. J., 1882-1883, **4**, 405-406; Am. J. Sci., 1883, [**3**], **25**, 146-147; Beibl. Ann. der Phys., 1882, **6**, 901;

1883, **7**, 5, Lit. Uebers.; Chem. Centrbl., 1882, 772-773; 1884, 166; Monit. sci. Quesneville, 1882, [3], **12**, 1209; 1883, [3], **13**, 235-239; Chem. News, 1882, **46**, 232; Ztschr. anal. Chem., 1883, **22**, 307-308; Tidsskrift for Physik og Kemi., 1882, **3**, 332; Jsb. Chem., 1882, 352-354; 1883, 46, 409; Gmelin-Kraut, Handb. anorg. Chemie, 1874-1886, **II**, 881; Roy. Soc. C. Sci. Papers, 1894, **10**, 929.

1882: 246. NILSON. Om metalliskt thorium.

Öfv. K. Sv. Vet. Akad. Förh., 1882, **39**, No. **7**, 1, 25-36; Ber., 1882, **15**, 2537-2547b, 2906; C. R., 1882, **95**, 727-729; Ann. chim. phys., 1883, [5], **30**, 568-573; Am. J. Sci., 1883, [3], **25**, 146; Chem. Centrbl., 1882, 772; 1884, 166; Monit. sci. Quesneville, 1883, 239-244; Chem. News, 1882, **46**, 232; Chem. Ztg., 1882, 1318; Beibl. Ann. der Phys., 1882, **6**, 900; 1883, **7**, 5, Lit. Uebers.; Rev. cours. scientif., 1883, [3], **4**, 604; 1883, [3], **5**, 185, 544; Cosmos les Mondes, 1883, **61**, 462; Pop. Sci. News, 1883, 26; J. Am. Chem. Soc., 1883, **5**, 118; Tidsskrift for Physik og Kemi., 1882, **3**, 332; Roy. Soc. C. Sci. Papers, 1894, **10**, 929.

1882: 247. NILSON. Untersuchungen über Thorit und über das Aequivalent des Thoriums. 1. Ueber Thorit von Arendal.

Ber., 1882, **15**, 2519-2527b, 2906; C. R., 1882, **95**, 784-786; Chem. Centrbl., 1882, 819; 1884, 319; Ann. chim. phys., 1883, [5], **30**, 429-432; Science, 1883, 45; Ztschr. Kryst., 1884, **9**, 223-224; Tidsskrift for Physik og Kemi., 1882, **3**, 332; Jahrb. Min., 1884, **59**, 8, Ref.; Jsb. Chem., 1882, 1528; Roy. Soc. C. Sci. Papers, 1894, **10**, 929.

1882: 248. DE BOISBAUDRAN. Séparation du gallium.

C. R., 1882, **94**, 1154-1155, 1227-1229, 1430-1442, 1625-1629; 1882, **95**, 157-160, 410-413, 503-506, 703-706, 1192-1194, 1332-1334; 1884, **99**, 526; Chem. Centrbl., 1882, **13**, 418-419, 519, 606, 646, 727, 826; 1883, **14**, 36, 130; Ber., 1882, **15**, 1435, 1435-1436, 1571, 2228, 2390, 2616, 2906; 1883, 87, 222-223; 1884, 508 R.; Chem. News, 1882, **45**, 207-208, 228-229; 1882, **46**, 3-4, 69-70, 152-153, 165-166, 211; 1883, **47**, 3-4, 16-17; Jsb. Chem., 1882, 1294-1296; 1884, 1602; Roy. Soc. C. Sci. Papers, 1891, **10**, 544.

1882: 249. CLARKE. The Constants of Nature, pt. V. A recalculation of the Atomic Weights, 1882, pp. 293.

Smithsonian Misc. Coll., 1883, **27**; Chem. News, 1883, **47**, 275-277; 1883, **48**, 3-4, 17-19, 32-34, 42-43, 52-54, 68-69, 78-80, 91-93, 103-105, 115-116, 158-159, 165-166, 177-179, 198-199, 210-211, 221-222, 231-232, 258-259, 263-264, 275-276, 289-290; 1884, **49**, 4-6, 19-20, 32-33, 42-44, 54-55, 64-65, 76-77, 89-90, 99-101, 112-113, 132-133, 145-146, 151-155, 164-165, 174-175, 186, 197-198, 219-220, 231-233, 239-240, 249-251, 260-262, 273-274, 282-284; 1884, **50**, 7-9, 21-22, 28-30, 39-40, 51-52, 62-63, 74-75, 87-90; Chem. Ztg., 1883, **7**, **2**, 854, 1094, 1161, 1196-1197, 1294, 1328-1329, 1591, 1691; 1884, **8**, **1**, 21, 91, 154, 227, 264, 310, 453, 492, 522, 595-596, 669, 713-714, 824, 859, 898, 930; 1884, **8**, **2**, 1038, 1141, 1288-1289, 1358; Ztschr. anal. Chem., 1883, **22**, 302-306; Jsb. Chem., 1883, 33; 1884, 48; Roy. Soc. C. Sci. Papers, 1891, **9**, 526.

- 1882: 250. DIXON. Monazite analysis.
Liversidge, *The Minerals from New South Wales*, 1882, 137, 2d ed.
Ztschr. Kryst., 1884, **8**, 87; *Rammelsberg's Min. Chem.*, 1886, *Ergänz.*
I, 168-169; *Jsb. Chem.*, 1883, 1862-1863.
- 1882: 251. HARTLEY. The Analysis of Rhabdophane, a new British mineral.
Chem. Soc. Lond. Trans., 1882, **41**, 210-220; *Chem. Centrbl.*, 1882,
151-152, 516; *Chem. News*, 1882, **45**, 40; *Jsb. Chem.*, 1882, 1542;
Roy. Soc. C. Sci. Papers, 1894, **10**, 151.
- 1883: 252. FONTAINE. Notes on the occurrence of certain minerals in Amelia County, Va.
Am. J. Sci., 1883, **25**, 330-339; *Jahrb. Min.*, 1885, **61**, *I*, 4-6 Ref.; *J. Chem. Soc. Lond.*, 1883, **44**, 959-960; *Jsb. Chem.*, 1883, 1880; *Roy. Soc. C. Sci. Papers*, 1891, **9**, 893.
- 1883: 253. DEMARÇAY. Sur le sulfate de thorium.
C. R., 1883, **96**, 1859-1862; *Ber.*, 1883, **16**, 2282*b*; *Bull. soc. chim. Paris*, 1883 [**2**], **40**, 98; *Chem. News*, 1883, **48**, 49-50; *Rev. cours. scientif.*, 1883, [**3**], **6**, 27; *Chem. Centrbl.*, 1883, 501; *Jsb. Chem.*, 1883, 409-410; *Roy. Soc. C. Sci. Papers*, 1891, **9**, 673.
- 1883: 254. BRÖGGER. Über Krystalle von Thorium.
Bihang. till. K. Sv. Vet. Akad. Förh., 1883-1884, **8**, No. **5**, 1-8; *Öfv. K. Sv. Vet. Akad. Förh.*, 1882, No. **10**, 1; 1883, No. **1**, 2; *Ztschr. Kryst.*, 1883, **7**, 442-446; *Jahrb. Min.*, 1886, **63**, 25-26 Ref.; *Bull. soc. franc. min.*, 1883, **6**, 71.
- 1883: 255. NILSON. Om thoriums specifika värme och atomvärde.
Öfv. K. Sv. Vet. Akad. Förh., 1883, **40**, No. **1**, 2, 3-15; *Ber.*, 1883, **16**, 153-163*a*; 1883, **16**, 568*a* Ref.; *C. R.*, 1883, **96**, 346-348; *Chem. News*, 1883, **47**, 122-123; 1883, **48**, 105-106; *Beibl. Ann. der Phys.*, 1883, **7**, 358; 1883, **7**, 10, 13, 21, 72, *Lit. Uebers.*; 1884, **8**, 91, *Lit. Uebers.*; *Science*, 1883, 341; *Chem. Centrbl.*, 1883, 171; *Chem. Ztg.*, 1883, **7**, **1**, 264; *Rev. cours. scientif.*, 1883, [**3**], **5**, 185; *Jsb. Chem.*, 1883, 118, 409; *Roy. Soc. C. Sci. Papers*, 1894, **10**, 929-930.
- 1883: 256. WALLROTH. Om fosforsalts inverkan på metalloxider.
Öfv. K. Sv. Vet. Akad. Förh., 1883, **40**, No. **3**, 21-45; *Bull. soc. chim. Paris*, 1883 [**2**], **39**, 316-322; *Ber.*, 1883, **16**, 3059-3060; *Chem. Centrbl.*, 1883, **14**, 290; *Jsb. Chem.*, 1883, **1**, 318-319; *Roy. Soc. C. Sci. Papers*, 1896, **11**, 743.
- 1883: 257. EDITORIAL. Das natürliche System der Elemente.
Jahrb. Erfind., 1883, **19**, 263.
- 1883: 258. MEYER and SEUBERT. Die Atomgewichte der Elemente aus den originalzahlen neu berechnet, Leipzig, 1883, pp. 245.
Beibl. Ann. der Phys. Pogg., 1883, **7**, 630-632; *Chem. News*, 1883, **48**, 211-212; *Chem. Ztg.*, 1883, **7**, **1**, 425-426; 1883, **7**, **2**, 1328-1329; *Ztschr. anal. chem.*, 1883, **22**, 639-640.

- 1883: 259. SMITH. Methods of analyzing samarskite and the other columbates containing earthy oxides by the agency of fluorhydric acid and of dissolving columbite and tantalite by the same acid. On the separation of thorium. Quantitative estimation of didymium oxide in its mixtures with other earthy oxides.
Chem. News, 1883, **48**, 13-15, 29-31; Am. Chem. J., 1883, **5**, 44-51, 73-81; Ber., 1883, **16**, 1885-1886, 1886, 1886-1887; 1885, 515-516 R.; Chem. Centrbl., 1883, 629; Chem. News, 1885, **51**, 289-291, 304-307; Jbs. Chem., 1883, 1561-1563; 1885, 1931-1933; Smith, Orig. Researches in Min. and Chem., 1883, 350-366, edited by Dr. J. B. Marvin, Louisville, Ky.; Roy. Soc. C. Sci. Papers, 1896, **11**, 439.
- 1883: 260. HAUSHOFER. Beiträge zur mikroskopischen Analyse.
Sitzber. bayr. Akad. Wiss., 1883, [**3**], **13**, 436-449; Jahrb. Min., 1885, **61**, **1**, 180 Ref.; Ber., 1884, **17**, 182 Ref.; Ztschr. Kryst., 1885-1886, **11**, 165-167; Jsb. Chem., 1884, 1551; Roy. Soc. C. Sci. Papers, 1894, **10**, 162.
- 1883: 261. DE BOISBAUDRAN. Séparation du gallium.
C. R., 1883, **96**, 152-154, 1696-1698, 1838-1840; 1883, **97**, 66-67, 142-144, 295-297, 521-522, 623-625, 730-732, 1463-1465; 1884, **98**, 711-712, 781-782; Chem. Centrbl., 1883, **14**, 130-131, 501, 587, 678, 753; 1884, **15**, 86, 419, 697; Ber., 1883, 579; 1886, 2320, 2531, 2691; 1884, 55, 216-217, 217 Ref.; Chem. News, 1883, **47**, 100-101, 299; 1883, **48**, 15, 50, 62-63, 86-87, 148, 164, 169, 197, 203; 1884, **49**, 51, 216-217, 224; Jsb. Chem., 1883, 1571-1574; 1884, 1600-1601; Roy. Soc. C. Sci. Papers, 1891, **10**, 544.
- 1883: 262. GERBER. Sur l'hypothèse de Prout.
Bull. soc. chim. Paris, 1883, **39**, 562-572; Ber., 1883, **16**, 1669; Chem. Centrbl., 1883, 453-456; Beibl. Ann. der Phys., 1883, **7**, 42 (Lit. Uebers.); Chem. News, 1883, **51**, 64-66; Jsb. Chem., 1883, 33-34; 1885, 29; Roy. Soc. C. Sci. Papers, 1891, **9**, 988.
- 1883: 263. CROOKES. The Bakerian Lecture: On radiant matter spectroscopy. A new method of spectrum analysis.
Roy. Soc. Lond. Proc., 1883, **35**, 262-271; Chem. News, 1883, **47**, 261-264; Ber., 1883, **16**, 1689; Jsb. Chem., 1883, 248; Roy. Soc. C. Sci. Papers, 1891, **9**, 608.
- 1883: 264. CLEVE. Om samarium.
Öfv. K. Sv. Vet. Akad. Förh., 1883, **40**, No. **7**, 2, 17-26; J. Chem. Soc. Lond., 1883, 362-370; C. R., 1883, **97**, 94-96; Chem. News, 1883, **48**, 39, 74-76; Ber., 1883, 2493-2494; Chem. Centrbl., 1883, 585-586, 678; Beibl. Ann. der Phys., 1883, **7**, 634; Jsb. Chem., 1883, 361-362; Roy. Soc. C. Sci. Papers, 1891, **9**, 539-540.
- 1883: 265. CROOKES. The Bakerian Lecture: On radiant matter spectroscopy. The detection and wide distribution of Yttrium.
Phil. Trans. Roy. Soc., 1883, **174**, pt. **III**, 891-918; Chem. News, 1884, **49**, 159-160, 169-171, 181-182, 194-196, 205-208; Ann. chim. phys., 1884, [**6**], **3**, 145-187; Jour. phys., 1884, **3**, 568; 1885, **4**, 333-335; Jsb. Chem., 1884, 293.

- 1884: 266. CARNELLEY. The Periodic Law as illustrated by certain Physical Properties of Inorganic Compounds.
Phil. Mag., 1884, (5), **18**, 1-22; Jour. Phys., 1884, **3**, 322; 1885, **4**, 473; Ber., 1884, 372 Ref.; Chem. Centrbl., 1885, 81; Beibl. Ann. der Phys., 1884, **8**, 735-738; Jsb. Chem., 1884, 139-140.
- 1884: 267. CARNELLEY. On the Colour of Chemical Compounds, chiefly as a Function of the Atomic Weights of their constituent Elements. Part I, Inorganic Compounds.
Phil. Mag., 1884 [5], **18**, 130-140; Jour. Phys., 1884, **3**, 420; 1885, **4**, 473; Ber., 1884, 2151-2156; Chem. News, 1884, **50**, 193; Chem. Centrbl., 1884, 50, 193-194; Jsb. Chem., 1884, 42-45.
- 1884: 268. CLEVE. Le Thorium et ses composés.
Encyclopédie Chimique, Fremy, Paris, 1884, Tome 3, 5^e Cahier, pp. 55-71.
- 1884: 269. HÖGBOM. Om de sallsynta jordarternas natrium dubbelvolframater.
Öfv. K. Sv. Vet. Akad. Förh., 1884, No. **5**, 111-123; Ztschr. Kryst., 1885, **10**, 522; Bull. soc. chim. Paris, 1884, **2**, **42**, 2-6; Ber., 1884, 375 Ref.; Chem. Centrbl., 1884, 698; Jsb. Chem., 1884, 396-397.
- 1884: 270. MILLS. On the numerics of the Elements, part I.
Phil. Mag., 1884, **18**, 393-399; Jour. Phys., 1885, **4**, 473-474; Chem. Ztg., 1884, **8**, **2**, 1803; Ber., 1884, **17**, 600 Ref.; Jsb. Chem., 1884, 45.
- 1884: 271. CARNELLEY. The Periodic Law and the Occurrence of the Elements in nature.
Phil. Mag., 1884, (5), **18**, 194-200; Jour. Phys., 1884, **3**, 468; 1885, **4**, 473; Ber., 1884, **17**, 2287-2291; Chem. News, 1884, **50**, 242-243; Jsb. Chem., 1884, 40-42.
- 1884: 272. DE BOISBAUDRAN. Séparation du gallium d'avec les autres éléments.
Ann. chim. phys., 1884, [6], **2**, 176-271; Chem. Centrbl., 1894, 697; Jsb. Chem., 1884, 1601.
- 1884: 273. NORDENSKIÖLD. Uransilikat från Garta felsspatsbrott i granskapat af Arendal.
Geol. Fören. Förh., 1884-1885, Bd. **7**, No. **2** (No. **86**), 121-123; Jahrb. Min., 1885, **61**, **1**, 392 Ref.; Ztschr. Kryst., 1885, **10**, 504; Rammeisberg's Min. Chem., 1886, Ergänz., I, 250-251.
- 1884: 274. DE BOISBAUDRAN. Séparation du cérium et du thorium.
C. R., 1884, **99**, 525-526; Bull. soc. chim. Paris, 1885, (2), **43**, 79; Ber., 1884, **17**, 507 Ref.; Chem. Ztg., 1884, **8**, **2**, 1762; Chem. News, 1884, **50**, 201; 1885, **51**, 131; Chem. Centrbl., 1884, 805; Jsb. Chem., 1884, 1594.
- 1885: 275. CLEVE. Om vätesuperoxidens inverkan på jordarter.
Öfv. K. Sv. Vet. Akad. Förh., 1885, No. **1**, 3-14; Bull. soc. chim. Paris., 1885, [2], **43**, 53-58; Chem. Centrbl., 1885, 198; Ber., 1885, 318; Jsb. Chem., 1885, 491-493.

- 1885: 276. DE BOISBAUDRAN. Action de l'eau oxygénée sur les oxydes de cérium et de thorium.
C. R., 1885, **100**, 605-607; Chem. News, 1885, **51**, 148; Ber., 1885, 212 Ref.; Chem. Centrbl., 1885, 244; Jsb. Chem., 1885, 493-494.
- 1885: 277. BRAUNER. Beitrag zur Chemie der Ceritmetalle, III and IV. Sitzungsber. Akad. d. Wien. math.-naturw. Cl., 1885, **92**, Abth. II, 814-835; Monatsh. Chem., 1885, **6**, 785-806; J. Chem. Soc. Lond., 1885, **47**, 879-897; Chem. Centrbl., 1885, 934; Ber., 1885, **18**, 605-606, 698-699 Ref.; Jsb. Chem., 1885, **1**, 32, 477.
- 1885: 278. TROOST. Sur la densité de vapeur du chlorure de thorium et la formule de la thorine.
C. R., 1885, **101**, 360-361; J. Am. Chem. Soc., 1885, **7**, 285-286; Ber., 1885, 532 Ref.; Chem. Ztg., 1885, **9**, **2**, 1206; Chem. News, 1885, **52**, 106; Chem. Centrbl., 1885, 741; Jsb. Chem., 1885, 46.
- 1885: 279. EAKINS. On allanite and gadolinite.
Proc. Col. Sci. Soc., 1885, **2**, 32-35; Ztschr. Kryst., 1886-1887, **12**, 493-494; Chem. News, 1886, **53**, 282; Jahrb. Min., 1889, **69**, **1**, 28-29 Ref.; Rammelsberg's Min. Chem., 1895, Zweites Suppl., 272-276; Jsb. Chem., 1886, 2264.
- 1885: 280. RAMMELSBERG. Über die Oxyde des Mangans und Urans. Sitzungsber. Königl. Akad. d. Wiss. Berlin, 1885, **1**, 97-104; Ztschr. Kryst., 1887, **13**, 418-419; Ber., 1886, 50 Ref.; Chem. Centrbl., 1885, 299; Jsb. Chem., 1885, 536-537.
- 1885: 281. BRÖGGER. Foreløbig meddelelse om to nye norske mineraler Lävëntit og Cappelinit.
Geol. Fören. Förh., 1881-1885, Bd. **7**, No. **10**, (No. **94**), 598-599; Ztschr. Kryst., 1885, **10**, 503-504; 1890, **16**, 462-467; Jahrb. Min., 1887, **65**, **1**, 229-230 Ref.; Bull. soc. franç. min., 1885, **8**, 126-127; Rammelsberg's Min. Chem., 1886, Ergänzt., **1**, 55-56; 1895, Zweites Suppl., 303-304.
- 1885: 282. TROOST. Sur le métaphosphate de thorium.
C. R., 1885, **101**, 210-212; Chem. News, 1885, **52**, 82; Rev. scientif., 1885, [3], **10**, 120; Monit. sci. Quesneville, 1885 [3], **15**, 916; Ber., 1885, 532 Ref.; Chem. Centrbl., 1885, 663; Jsb. Chem., 1885, 497.
- 1885: 283. BLOMSTRAND. Om ett uramineral från trakten af Moss samt om de nativa uranaterna i allmänhet.
Geol. Fören. Förh., 1884-1885, Bd. **7**, No. **2**, (No. **86**), 59-101; J. prakt. Chem., 1884 [2], **29**, 191-229; Ann. chim. phys., 1885, [6], **4**, 129-135; Jahrb. Min., 1885, **61**, **1**, 390-391 Ref.; Am. J. Sci., 1884, [3], **27**, 493-494; Ztschr. Kryst., 1885, **10**, 496-498; C. R., 1884, **98**, 816-817; J. Chem. Soc. Lond., 1884, **46**, 1102; Ber., 1884, **17**, 250 Ref.; Chem. Centrbl., 1884, 420, 568; 1885, 278; Rammelsberg's Min. Chem., 1886, Ergänzt., **1**, 247-249; 1895, Zweites Suppl., 67-74; Jsb. Chem., 1884, 1938-1939.

- 1885: 284. CROOKES. On Radiant Matter spectroscopy. Part II. Samarium.
 Roy. Soc. Lond. Proc., 1884-1885, **38**, 414-422; C. R., 1885, **100**, 1380-1382, 1495-1497; Chem. News, 1885, **51**, 301-303; Ber., 1885, 491 Ref.; 1886, **19**, 736-738 Ref.; Chem. News, 1886, **54**, 28-31, 40-43, 54-56, 63-66, 76-79; Jsb. Chem., 1885, 331-332, 332.
- 1885: 285. GENTH and KERR. The Minerals and Mineral Localities of North Carolina.
 Geol. of N. C., 1885, vol. **2**, chap. **I**, 1-128.
- 1885: 286. HAUSHOFER. Mikroskopische Reactionen. Eine Anleitung zur Erkennung verschiedener Elemente unter dem Mikroskop, als Supplement der Qualitativen Analyse, München, 1885 (on Thorium_salts), pp. 127-130.
 Ztschr. Kryst., 1887, **13**, 171-175.
- 1885: 287. MEYER and SEUBERT. Ueber die Einheit der Atomgewichte.
 Ber., 1885, 1089-1097; J. Chem. Soc. Lond., 1885, **47**, 426-433; Chem. News, 1886, **53**, 245-248; Am. Chem. J., 1885-1886, **7**, 96-104; Jsb. Chem., 1885, 29-30; 1886, 42.
- 1885: 288. SÖDERBAUM. Om dubbeloxalater af Platina.
 Öfv. K. Sv. Akad. Förh., 1885, No. **10**, 25-39; J. Chem. Soc. Lond., 1886, **50**, 532-533; Bull. soc. chim. Paris, 1886, (**2**), **45**, 188-193; Chem. News, 1886, **53**, 114; Ber., 1886, **19**, 3, 203-204; Chem. Centrbl., 1886, 230; Jsb. Chem., 1886, 1604-1606.
- 1886: 289. HIDDEN. Contributions to Mineralogy by Wm. Earl Hidden, with Crystallographic Notes by A. Des Cloiseaux. I. North Carolina Mineral Localities.
 Am. J. Sci., 1886 [3], **32**, 204-211; Jahrb. Min., 1890, **71**, I, 219-221 Ref.; Ztschr. Kryst., 1886-1887, **12**, 506-508; Bull. soc. franç. min., 1886, **9**, 313-314; Jsb. Chem., 1886, 2239, 2257, 2258.
- 1886: 290. RAMMELSBERG. Ueber die chemische Natur des Eudialyts.
 Sitzungsber. Königl. Akad. d. Wiss. Berlin, 1886, **1**, 441-461; Ztschr. deut. geol. ges., 1886, **38**, 497-506; Ber., 1887, **20**, 413-414 Ref.; Ztschr. Kryst., 1887, **13**, 636-640; Rammelsberg's Chemische Abhandlung, 1838-1888, 214-216; Rammelsberg's Min. Chem., 1895, Zweites Suppl., 447-450; Jsb. Chem., 1886, 2292-2293.
- 1886: 291. VAN DER PLAATS. Essai de calcul des poids atomiques de M. Stas.
 Ann. chim. phys., 1886, [**6**], **7**, 499-533; Recueil trav. chim. des Pay Bas., 1886, **5**, 123-126; Ztschr. anal. Chem., 1887, **26**, 275-276; Ztschr. anorg. Chem., 1894, **5**, 311; Jahrb. Erfind., 1887, **26**, 275-276; Chem. News, 1886, **54**, 52-53, 66, 78-79; Naturw. Rundschau, 1886, I, 202-203; Chem. Centrbl., 1886, 561-562; Ber., 1886, 427 Ref.

- 1886: 292. TROOST and OUVARD. Sur quelques phosphates doubles de thorium et de potassium ou de zirconium et de potassium.
C. R., 1886, **102**, 1422-1427; Ber., 1886, **19**, 659 Ref.; Chem. Centrbl., 1886, 594; Jsb. Chem., 1886, 453-454.
- 1886: 293. RAMMELSBERG. Ueber einem neuen Fall der Isomorphie zwischen Uran and Thorium.
Sitzungsber. Königl. Akad. d. Wiss. Berlin, 1886, 559, 603-606; Rammelsberg's Chemische Abhandlung, 1838-1888, 216, 217; Ztschr. Kryst., 1888-1889, **15**, 640-641; Ber., 1887, **20**, 412 Ref.; Chem. Centrbl., 1886, 873.
- 1886: 294. REPORT OF COMMITTEE consisting of Professor Sir H. E. Roscoe, Mr. J. N. Lockyer, Professors Dewar, Wolcott Gibbs, Liveing, Schuster, and W. N. Hartley, Captain Abney, and Dr. Marshall Watts (Secretary), appointed for the purpose of preparing a new series of Wave-length tables of the Spectra of the Elements and Compounds.
Brit. Assoc. Adv. Sci., 1885, 288-322; 1886, 167-204; Beibl. Ann. der Phys., 1888, 193-194.
- 1886: 295. NOTE. Minerals containing rare earths.
Eng. and Min. Journal, 1886, **42**, 24.
- 1886: 296. CARNELLEY. Suggestions as to the Cause of the Periodic Law and the Nature of the Chemical Elements.
Chem. News, 1886, **53**, 157-159, 169-172, 183-186; Ber., 1886, **19**, 281, 523 Ref.; Chem. Centrbl., 1886, 354; Jsb. Chem., 1886, 16.
- 1886: 297. MILLS. On the numerics of the elements, part II.
Phil. Mag., 1886, [5], **21**, 151-157; Jsb. Chem., 1886, 42.
- 1887: 298. NORDENSKIÖLD. Ytterligare iakttagelser om Gadolinitjorden atomvigt.
Öfv. K. Sv. Vet. Akad. förh., 1887, No. **7**, 463-469; C. R., 1886, **103**, 795-798; Chem. News, 1886, **54**, 241-242; Naturw. Rundschau, 1887, **2**, 12-13; Ber., 1887, 5 Ref.; Chem. Centrbl., 1886, 906; Jsb. Chem., 1886, I, 57-58.
- 1887: 299. CROOKES. Genesis of the Elements. (A Lecture delivered before the Royal Institution February 18, 1887).
Genesis of the Elements, William Crookes, London, 1887; Chem. News, 1887, **55**, 83-88, 95-99; Jsb. Chem., 1887, 5.
- 1887: 300. TROOST and OUVARD. Sur quelques phosphates doubles de thorium et de sodium ou de zirconium et de sodium.
C. R., 1887, **105**, 30-34; Chem. News, 1887, **56**, 57; Chem. Centrbl., 1887, 1015; Ber., 1887, **20**, 534 Ref.; Jsb. Chem., 1887, 554-556.
- 1887: 301. CROOKES. On Radiant Matter spectroscopy:—Examination of the Residual Glow.
Roy. Soc. Lond. Proc., 1887, **42**, 111-131; Chem. News, 1887, **55**, 107-110, 119-121, 131-132; Jsb. Chem., 1887, 355-356.

- 1887: 302. BRÖGGER. Foreløbig meddelelse om mineralerne på de sydnorske augit-og nefelinsyeniters grovkornige gange.
 Geol. Fören. förh., 1887, Bd. 9, No. 4 (No. 109), 247-274; Jahrb. Min., 1889, 70, 2, 432-440 Ref.; Ztschr. Kryst., 1888-1889, 15, 103-104; Chem. Centrbl., 1890, I, 698-700; Rammelsberg's Min. Chem., 1895; Zweites Suppl., 304-305.
- 1887: 303. WILLGERODT. Die Halogenüberträger in den natürlichen Gruppen und den Perioden der Elemente.
 J. prakt. Chem., 1887, [2], 35, 391-400; Chem. Centrbl., 1887, 720; Ber., 1887, 312 Ref.; Jsb. Chem., 1887, 618-619.
- 1887: 304. DREDGE. Gas Lighting by incandescence.
 Amer. Soc. Mech. Eng., 1887, 8, 663-675; J. Gas L., 1887, 50, 998-999; Engineering, London, 1887, 44, 139, 469-470, 538-539.
- 1887: 305. KRÜSS and NILSON. Ueber die Dampfdichte des Thoriumchlorids.
 Ztschr. physikal. Chem., 1887, 1, 301-306; Ber., 1887, 20, 498 Ref.; Nature, 1887, 36, 255; Ztschr. anal. Chem., 1888, 27, 199; Beibl. Ann der Phys., 1887, 11, 675-676; 58 Lit. Uebers; Chem. Centrbl., 1887, 947; Jsb. Chem., 1887, 69-70.
- 1887: 306. KRÜSS and NILSON. Om thoriums equivalent-och atomvigt.
 Öfv. K. Sv. Vet. Akad. förh., 1887, No. 5, 232, 251-265; Ber., 1887, 20, 1665-1676; J. anal. Chem., 1887, 339; Beibl. Ann. der Phys., 1887, 11, 50 Lit. Uebers; Jahrb. Min., 1889, 69, 1, 394 Ref.; Chem. Ztg., 1887, 740; Ztschr. anal. Chem., 1888, 27, 546; Chem. Centrbl., 1887, 977-978; Jsb. Chem., 1887, 55-58.
- 1887: 307. KRÜSS and NILSON. Om jordarterna och niobsyran i fergusonit.
 Öfv. K. Sv. Vet. Akad. förh., 1887, No. 5, 232, 267-285; Ber., 1887, 20, 1676-1690; Beibl. Ann. der Phys., 1887, 11, 50 Lit. Uebers; Chem. Centrbl., 1887, 1018; Jsb. Chem., 1887, 573-578.
- 1887: 308. KRÜSS and NILSON. Studier öfver sallsynta jordarters absorptionsspektra och komponenter.
 Öfv. K. Sv. Vet. Akad. förh., 1887, No. 6, 348, 361-404; Ber., 1887, 20, 2134-2171; Chem. News, 1887, 56, 74-77, 85-87, 135-137, 145-147, 154-156, 165-167, 172-173; Beibl. Ann. der Phys., 1887, 11, 707-708; 63 Lit. Uebers; Chem. Centrbl., 1887, 1188; Jsb. Chem., 1887, 474.
- 1887: 309. BAZAROW. Über die Atomgewichte der Elemente.
 Zhurnal russk. fiz. khim. obsc., 1887, 19, 61-73; Ber., 1887, 20, 190-192 Ref.; Chem. Centrbl., 1887, 18, 619-620; Beibl. Ann. der Phys., 1887, 11, 50 Lit. Uebers.
- 1887: 310. NILSON and PETTERSON. Ueber einige physikalische Konstanten des Germaniums und Titans.
 Ztschr. physikal. Chem., 1887, 1, 27-38; Chem. News., 1887, 55, 186-187; J. Chem. Soc. Lond., 1887, 52, 778; Ber., 1887, 20, 134 Ref.; Chem. Centrbl., 1887, 18, 329-330; Beibl. Ann. der Phys., 1887, 11, 229-230; 22 Lit. Uebers.

- 1887 : 311. NORDENSKIÖLD. Thorit från två nya fyndorter i Norge.
Geol. Fören. Förh., 1887, Bd. 9, No. 1 (106), 26-28; Jahrb. Min., 1889, 69, 1, 396-397 Ref.; Ztschr. Kryst., 1888-1889, 15, 97-98; Chem. Centrbl., 1891, I, 611.
- 1887 : 312. TROOST and OUVRARD. Sur les silicates de thorine.
C. R., 1887, 105, 255-258; Ber., 1887, 20, 534 R.; Chem. News, 1887, 56, 114; Nature, 1887, 36, 360; Chem. Centrbl., 1887, 1098; Jsb. Chem., 1887, 556.
- 1887 : 313. BLOMSTRAND. Analys af cer-och ytterfosfater från Södra Norge ett bidrag till frågan om dessa mineraliers kemiska byggnad.
Geol. Fören. Förh., 1887, 9, No. 3, (No. 108), 160-187; Jahrb. Min., 1889, 70, 2, 44-46 Ref.; Ztschr. Kryst., 1888-1889, 15, 99-103; Chem. Centrbl., 1887, 934; Rammelsberg's Min. Chem., 1895, Zweites Suppl., 134-137, 137-138.
- 1887 : 314. AUER VON WELSBACH. The Chemistry of the Welsbach light.
Industries, 1887, 2, I, 493; J. Gas. L., 1887, 49, 959.
- 1888 : 315. CLARKE. The Constants of Nature. Part I (new edition), 1888, pp. 420.
Smithsonian Misc. Coll., 1888, vol. 32; Sp. Grav. solids and liquids. Thorium and its compounds, pp. 6, 48, 58, 88, 100, 116, 118, 133, 144, 361.
- 1888 : 316. PENFIELD and SPERRY. Monazite from Alexander Co., N. C.
Am. J. Sci., 1888, [3], 36, 317-331; Ztschr. Kryst., 1889-1890, 17, 407; Jahrb. Min., 1891, 74, 2, 241-245 Ref.; Bull. soc. franç. min., 1889, 12, 502-505; Chem. Centrbl., 1888, 1583-1585.
- 1888 : 317. NOTE. Extended use of some of the rarer minerals.
Eng. and Min. Jour., 1888, 46, 1-2.
- 1887-1888 : 318. BLOMSTRAND. Till frågan om gadolinitjordens atomvikt och gadolinitens sammansättning.
Acta Universitatis, Lund., 1887-1888, 24, 2, 3, 1-26; Ztschr. Kryst., 1892, 20, 366-367; S. of M. Quar., 1892, 15, 168; Rammelsberg's Min. Chem., 1895, Zweites Suppl., 272-276.
- 1888 : 319. KLÜSS. Zur kenntniss der unterschwefelsauren salzen. I and II.
Dissertation Berlin 14/1, [7/1], H, Chem. Inst. d. Univ.; Ann. Chem. Liebig, 1888, 246, 179-220, 284-306; Chem. Centrbl., 1888, 215-216, 1021, 1151-1152; Ber., 1888, 592-594 Ref.; Jsb. Chem., 1888, 477-485.
- 1888 : 320. HILLEBRAND. Uraninite.
Am. J. Sci., 1888, [3], 36, 295; Jahrb. Min., 1891, 74, 2, 44 Ref.; Ztschr. Kryst., 1889-1890, 17, 404.

- 1888 : 321. PETERSSON. Analyser af gadolinit och homilit.
Öfv. K. Sv. Vet. Akad. Förh., 1888, No. **3**, 179-186; Jahrb. Min., 1891, **1**, 372-374 Ref.; Ber., 1888, 569 Ref.; Jsb. Chem., 1888, 571.
- 1888 : 322. MEYER. (Various properties of Thorium and its salts.)
Lothar Meyer, Modern Theories of Chemistry, 1888, 5th edition (English transl.); Spec. heat, p. 75; Atomic Wts., p. 89, 90, 120, 123-168.
- 1888 : 323. DIXON. "Monazite analysis."
Liversidge, The Minerals of New South Wales, 1888, 3d ed., pp. 326; Rammelsberg's Min. Chem., 1895, Zweites Suppl., 134-135.
- 1888 : 324. HIDDEN and MACKINTOSH. On a new Thorium mineral, Auerlite.
Am. J. Sci., 1888, (3), **36**, 461-463; Jahrb. Min., 1891, **74**, **2**, 240 Ref.; Ztschr. Kryst., 1888-1889, **15**, 295-297; Bull. soc. franç. min., 1889, **12**, 505-506; 1890, **13**, 401; Chem. News, 1889, **59**, 67-68; Ber., 1889, 227 Ref.; S. of M. Quar., 1891, **12**, 259; Chem. Centrbl., 1889, **1**, 139; 1890, **1**, 337; Rammelsberg's Min. Chem., 1895, Zweites Suppl., 457; Jsb. Chem., 1888, 637-638.
- 1889 : 325. HIDDEN and MACKINTOSH. A description of several Yttria and Thoria Minerals from Llano county, Texas.
Am. J. Sci., 1889, [3], **38**, 474-486; Ztschr. Kryst., 1891, **19**, 88-93; Chem. News, 1890, 7-9, 18-20; Jahrb. Min., 1893, **77**, **1**, 256-259 Ref.; Bull. soc. franç. min., 1890, **13**, 383-386; Ber., 1890, 321-322 Ref.; Rammelsberg's Min. Chem., 1895, Zweites Suppl., 67-74, 165-166, 454; Chem. Centrbl., 1890, **1**, 281-283; S. of M. Quar., 1890, **11**, 177, 178, 179, 180, 181; 1891, **12**, 259; 1893, **14**, 329.
- 1889 : 326. HILLEBRAND. Notes on the composition of Uraninite.
Am. J. Sci., 1889, [3], **38**, 329; Jahrb. Min., 1893, **77**, **1**, 478 Ref.; Chem. Centrbl., 1890, **1**, 336; S. of M. Quar., 1890, **11**, 83.
- 1889 : 327. TROOST and OUVARD. Sur quelques phosphates et quelques silicates de thorie et sur les composés correspondants de la zircone.
Ann. chim. phys., 1889, (6), **17**, 227-245; Chem. Centrbl., 1889, 20; Jsb. Chem., 1889, 561-562.
- 1889 : 328. CROOKES. Recent researches on the Rare Earths as interpreted by the Spectroscope.
J. Chem. Soc. Lond., 1889, **55**, 255-285; Chem. Soc. Lond. Proc., 1889, **5**, No. 65, 57-62; Nature, 1888-1889, **39**, 537-543; Chem. News, 1889, **60**, 27-30, 39-41, 51-53, 63-66; Chem. Centrbl., 1889, **1**, 742-743; 1889, **11**, 20; Jsb. Chem., 1889, 315-316, 2393.
- 1889 : 329. EDITORIAL. Ueber die Entstehung der Elemente.
Jahrb. Erfind., 1889, 252-266.
- 1889 : 330. MENDELÉEFF. The Periodic Law of the Chemical Elements.
J. Chem. Soc. Lond., 1889, **55**, 634-656, with table; Chem. Soc. Lond. Proc., 1889, **5**, No. 69, 92; 1889, **5**, No. 70, 93; Mendeléeff, Principles of Chemistry, 1897, 6th ed., vol. 2, Appendix 2, pp. 471-490.

- 1889: 331. BRAUNER. Experimental Researches on the Periodic Law. Part I.
J. Chem. Soc. Lond., 1889, **55**, 382-411.
- 1889: 332. BETTENDORFF. Studien über die Erden der Cerium-und Yttrium-Gruppe. I, II, III.
Ann. chem. Liebig, 1889, **256**, 159-170; 1891, **263**, 164-174; 1892, **270**, 376-383; Chem. Centrbl., 1890, 61, I, 707; 1891, 62, II, 247-248; 1892, 63, II, 393-394; Bull. soc. chim. Paris, 1890, (**3**), **4**, 669-670; 1892, (**3**), **8**, 296; 1893, (**3**), **10**, 771; J. Chem. Soc. Lond., 1890, **58**, 851-852; 1891, **60**, 984-986; 1892, **62**, 1400-1401; Chem. News, 1891, **63**, 159-160, 172-173, 180-181; 1892, **66**, 307, 320-321; Ztschr. anorgan. chem., 1893, **3**, 334-335; Ber., 1890, **23**, 226-227 Ref.; 1891, 440 Ref.; 1892, 765 Ref.; Jsb. Chem., 1890, **I**, 549-553; 1890, **I**, 502-504; 1892, **I**, 716-719.
- 1889: 333. NOTES BY P. G. BAKER. Thorium chloride.
Am. Chem. J., 1889, **11**, 138.
- 1889: 334. GENTH. Contributions to Mineralogy. No. 44. Monazite.
Am. J. Sci., 1889, (3), 38, 198-203; Jahrb. Min., 1893, **77**, 261 Ref.; Ztschr. Kryst., 1891, **19**, 86-88; Min. Mag., 1890-1891, **9**, 248; Bull. soc. franç. min., 1890, **13**, 381; Chem. Centrbl., 1890, **I**, 279-280; Rammelsberg's Min. Chem., 1895, Zweites Suppl., 134-137.
- 1889: 335. JOHNSON. Ueber einige Phosphate von mehrwerthigen Metallen.
Ber., 1889, **22**, 976-980; Chem. Centrbl., 1889, **I**, 807; Jsb. Chem., 1889, 415-416.
- 1889: 336. BLOMSTRAND. Om några svenska monaziter.
Geol. Fören. Förh., 1889, Bd. **11**, No. **6**, (No. **125**), 379-388, Jahrb. Min., 1892, **75**, **I**, 45-47 Ref.; Ztschr. Kryst., 1891, **19**, 109; Rammelsberg's Min. Chem., 1895, Zweites Suppl., 134-137; S. of M. Quar., 1891, **12**, 354.
- 1890: 337. PETERSSON. Studier öfver gadolinit.
Geol. Fören. Förh., 1890, Bd. **12**, No. **4** (No. **130**), 275-347; Inaugural Dissertation der Universität Upsala, 1890; Ztschr. Kryst., 1892, **20**, 376-382; Jahrb. Min., 1893, **77**, **I**, 240-246 Ref.; S. of M. Quar., 1892, **15**, 168; Rammelsberg's Min. Chem., 1895, Zweites Suppl., 272-276.
- 1890: 338. BLOMSTRAND. Om monaziten från Ural.
Acta Universitatis Lund., 1888-1889, Bd. **25**, **4**, 1-11; J. prakt. Chem., 1890, n. s. **41**, 266-277; Ztschr. Kryst., 1892, **20**, 367-368; Jahrb. Min., 1892, **75**, 44-45 Ref.; Ber., 1890, 323 Ref.; Chem. Centrbl., 1890, **I**, 871-872; S. of M. Quar., 1893, **15**, 171; Rammelsberg's Min. Chem., 1895, Zweites Suppl., 134-137; Jsb. Chem., 1890, 603-605.
- 1890: 339. BRÖGGER. Die Mineralien der Syenitpegmatitgänge der südnorwegischen Augit und Nephelinsyenit.
Geol. Fören. Förh., 1891, Bd. **13**, No. **2**, (No. **135**), 128-131; Ztschr. Kryst., 1890, **16**, 1-235 and 1-658, mit 29 Tafeln.; Chem. Centrbl.,

- 1890, **61**, **2**, 408-416, 456-462; *Jahrb. Min.*, 1892, **75**, **1**, 238-265, 296-307 Ref.; *S. of M. Quar.*, 1891, **12**, **70**; Rammelsberg's *Min. Chem.*, 1895, *Zweites Suppl.*, 137-138, 180-181, 303-304, 304-305, 305-306, 307, 445, 445-446, 453, 455.
- 1890: 340. HILLEBRAND. Analyses of Samarskite? and an ill-defined Zirconium mineral.
Bull. U. S. Geol. Survey, 1889-1890, **55**, 48-52; *Proc. Col. Sci. Soc.*, 1889-1890, **3**, 38-47; *Jahrb. Min.*, 1891, **74**, **2**, 38-40 Ref.; *Ztschr. Kryst.*, 1891, **19**, 638-640; Rammelsberg's *Min. Chem.*, 1895, *Zweites Suppl.*, 167-168.
- 1890: 341. HILLEBRAND. On the occurrence of Nitrogen in Uraninite and on the composition of Uraninite in general.
Bull. U. S. Geol. Survey, 1891, **78**, 43-79; *Am. J. Sci.*, 1890, [**3**], **40**, 384-394; *Chem. News*, 1891, **64**, 221-222, 230-233, 244-247, 255-257, 279-281, 290-293, 302-304; *Berg. u. H. Ztg.*, 1891, **50**, n. s. **45**, 19; *Chem. Ztg.*, *Repert.* 1890, **14**, 344; *Ztschr. Kryst.*, 1892, **20**, 479-484; *Giorn. Min.*, 1890, **1**, 337; *S. of M. Quar.*, 1891, **12**, 173; Rammelsberg's *Min. Chem.*, 1895, *Zweites Suppl.*, 67-74; *Chem. Centrbl.*, 1890, **61**, **2**, 968-970; *Jsb. Chem.*, 1891, 419-420.
- 1890: 342. DEMARÇAY. Les terres rares.
Revue Gen. des Sci., 1890, 396-402.
- 1890: 343. EAKINS. Analysis of Gadolinite.
Bull. U. S. Geol. Survey, 1890, **64**, 40; *Ztschr. Kryst.*, 1891, **19**, 86, 89; 1892, **20**, 499-500; *Chem. News*, 1893, **67**, 79.
- 1890: 344. HIDDEN and MACKINTOSH. On the occurrence of Polycrase or of an allied species in both North and South Carolina.
Am. J. Sci., 1890, [**3**], **39**, 302-306; *Bull. soc. franç. min.*, 1890, **13**, 393; *Giorn. Min.*, 1890, **1**, 184, 333; *Chem. Centrbl.*, 1890, **II**, 261-262; Rammelsberg's *Min. Chem.*, 1895, *Zweites Suppl.*, 177-178.
- 1890: 345. GENT Allanite.
Am. J. Sci., 1890, [**3**], **40**, 118; *Jahrb. Min.*, 1893, **2**, 459-461 Ref.; *Ztschr. Kryst.*, 1892, **20**, 472-475; *Chem. Centrbl.*, 1890, **II**, 462-464; Rammelsberg's *Min. Chem.*, 1895, *Zweites Suppl.*, 255-256.
- 1890: 346. BAKHUIS ROOZEBOOM. Sur Les Relations entre le sulfate thorique anhydre et ses hydrates, et sur les phénomènes de ralentissement dans l'hydratation et la déshydratation de ce sel.
Hollandsche maatschappij der wetenschappen te Haarlem; *Archives néerlandaises des sciences exactes et naturelles*, 1890, **24**, 233-257; *Ztschr. physikal Chem.*, 1889-1890, **5**, 198-216; *Chem. News*, 1891, 273; *Ostwald, On Solutions*, pp. 75-77; *Chem. Centrbl.*, 1890, **I**, 990; *Jsb. Chem.*, 1890, **I**, 230-231.
- 1891: 347. CLARKE. Table of atomic weights, issued December 6, 1890.
Chem. News, 1891, **63**, 76-77; *Ztschr. physikal Chem.*, 1891, **8**, 235-236; *Fortschr. Phys.*, 1891, **47**, 1-2, 66-67; *J. anal. Chem.*, 1891, 54-55; *Jsb. Chem.*, 1891, 79.

- 1891 : 348. EAKINS. New analyses of Astrophyllite and Tscheffkinita.
 Am. J. Sci., 1891, [3], **42**, 34-38; S. of M. Quar., 1891, **12**, 360;
 Jahrb. Min., 1894, **1**, 56-57 Ref.; Bull. U. S. Geol. Survey, 1892-1893,
90, 41-44; Ztschr. Kryst., 1893, **22**, 559-560; Bull. soc. franç. min.,
 1894, **17**, 98; Chem. Centrbl., 1891, **II**, 561-562; Rammelsberg's Min.
 Chem., 1895, Zweites Suppl., 446.
- 1891 : 349. BEIENS. Essai d'une methode d'analyse qualitative mi-
 crochimique.
 Ann. de l'École polyt. de Delft, 1891, **6**, 82-176; Ztschr. anal. Chem.,
 1891, **30**, 125-174; Chem. News, 1891, **64**, 5-6, 32, 40-41, 52-53, 64-65,
 76-77, 110-112, 123-124, 149-150, 159-160, 173-175, 183-185; 1890,
63, 294, 303-304; Bull. Soc. Chim. Paris, 1892, **8**, 1032-1035; Chem.
 Ztg., Repert. 1891, **15**, 140-141; Jahrb. Min., Beilage Band, 1891, **7**,
 435-470; Ber., 1891, 588-589 Ref.; Chem. Centrbl., 1891, **I**, 804-806;
 1891, **II**, 277; Jsb. Chem., 1891, 2384.
- 1891 : 350. HART. The Welsbach Incandescent Light.
 J. anal. Chem., 1891, 41-43.
- 1891 : 351. HIDDEN and MACKINTOSH. Supplementary notice on the
 Polycrase of North and South Carolina.
 Am. J. Sci., 1891, **41**, 423-425; Ztschr. Kryst., 1893, **22**, 418-419;
 Giorn. min., 1891, **2**, 159; Bull. soc. franç. min., 1894, **17**, 65;
 Chem. Centrbl., 1891, **II**, 77; Rammelsberg's Min. Chem., 1895,
 Zweites Suppl., 177-178.
- 1891 : 352. HIDDEN. Preliminary notice of a new yttrium-silicate.
 Am. J. Sci., 1891, **42**, 430-431; S. of M. Quar., 1892, **13**, 264; Chem.
 Centrbl., 1892, **II**, 752.
- 1891 : 353. HIDDEN and MACKINTOSH. Auerlite.
 Am. J. Sci., 1891, **41**, 438; Ztschr. Kryst., 1893, **22**, 419-420; Ram-
 melsberg's Min. Chem., 1895, Zweites Suppl., 457.
- 1891 : 354. HIDDEN. Orangeite.
 Am. J. Sci., 1891, **41**, 439; Ztschr. Kryst., 1893, **22**, 420-421; Ram-
 melsberg's Min. Chem., 1895, Zweites Suppl., 453.
- 1891 : 355. EDITORIAL. On the orangeite from Landbö, Norway.
 Am. J. Sci., 1891, **41**, 440; S. of M. Quar., 1891, **12**, 360; 1892, **13**,
 265-266; Chem. Centrbl., 1891, **II**, 78.
- 1891 : 356. GENTH. The Minerals of North Carolina.
 Bull. U. S. Geol. Survey, 1891, **74**, 13-119; Jahrb. Min., 1893, **77**, **1**,
 261 Ref.
- 1891 : 357. WINKLER. Ueber die Reduction von Sauerstoff verbindun-
 gen durch Magnesium. (V. Abhandlung).
 Ber., 1891, 873-899; Chem. Centrbl., 1891, **I**, 911-913; Jsb. Chem.,
 1891, 494-499.

- 1891: 358. BRAUNER. Ueber das Atomgewicht des Lanthans.
Ber., 1891, **24**, 1328-1331; J. Chem. Soc. Lond., 1891, **60**, 881-882;
Chem. Centrbl., 1891, 149-150; Jsb. Chem., 1891, 84-85.
- 1891: 359. NORDENSKIÖLD. Ytterligare om Gadolinit-jordens molekylarvigt.
Bihang. till. K. Sv. Vet. Akad. Handl., 1891-1892, **17**, Afd. **II**, No. **1**,
4, 26.
- 1891: 360. MACKEAN. Incandescent Gas-lighting.
J. Soc. Chem. Ind., 1891, 196-201; Am. Gas Light J., 1891, **54**, 367-
368, 744-745; J. Gas L., 1891, **57**, 345-346; Ber., 1891, 522 Ref.; Jsb.
Chem., 1891, 2789.
- 1891: 361. WALKER. On the periodic tabulation of the Elements.
Chem. News, 1891, **63**, 251-253; Ber., 1891, 702 Ref.; Chem. Centrbl.,
1891, 8; Jsb. Chem., 1891, 90-92.
- 1891: 362. KRÜSS. Beiträge zur Chemie des Erbiums und Didyms.
Ann. chem. (Liebig), 1891, **265**, 1-27, I Mitth.; Chem. News, 1891,
64, 65-66, 75-77, 99-101, 120-121; J. Chem. Soc. Lond., 1891, **60**,
1424-1426; Ber., 1891, 700-701 Ref.; Chem. Centrbl., 1891, **II**, 647-
648; Jsb. Chem., 1891, 505-509.
- 1891: 363. HAITINGER. Über die Emissionsspectra des Neodym-und
Praseodymoxydes und über neodymhaltende Leuchtsteine.
Monatsh. Chem., 1891, **12**, 362-367; Chem. Centrbl., 1891, **62**, **2**, 791-
792; Ber. 1891, 892 Ref.; Bull. soc. chim. Paris, 1892, **8**, 407-408.
- 1891: 364. HILLEBRAND. New analyses of Uraninite.
Am. J. Sci., 1891, (**3**), **42**, 390-393; Bull. U. S. Geol. Survey, 1892-
1893, **90**, 22-25; Berg. u. H. Ztg., 1892, **51**, n. s. **46**, 22; S. of M.
Quar., 1892, **13**, 265; Chem. Centrbl., 1892, **II**, 751-752; Ztschr.
Kryst., 1893, **22**, 569-571; Giorn. min., 1891, **11**, 316; Bull. soc.
franç. min., 1894, **17**, 101; Rammelsberg's Min. Chem., 1895,
Zweites Suppl., 67-74.
- 1892-1894: 365. PRIOR. Fergusonite from Ceylon.
Min. Mag., 1892-1894, **10**, 234-238; Giorn. min., 1893, **4**, 300; Ram-
melsberg's Min. Chem., 1895, Zweites Suppl., 165-166.
- 1892: 366. HILLEBRAND and MELVILLE. On the Isomorphism and
Composition of Thorium and Uranous sulphates.
Am. Chem. J., 1892, **14**, 1-9; Bull. U. S. Geol. Survey, 1892-1893, **90**,
26-33; Chem. News, 1892, **65**, 230-232; Ztschr. anorgan. Chem.,
1892, **I**, 251; Ztschr. Kryst., 1894, **23**, 615; Chem. Centrbl., 1892, **I**,
554-555; Bull. soc. chim. Paris, 1893, [**3**], **10**, 659-660; Fortschr.
Phys., 1893, **49**¹⁻², 282; Ber., 1892, 408 Ref.; Jsb. Chem., 1892, 21-23.
- 1892: 367. BOSSNER. The new Welsbach Lamp.
Paper read before Austro-Hungarian Gas Assoc., 1892; abridged for
the Gas World; Am. Gas Light J., 1892, **57**, 439.

- 1893: 368. NOTE. Auer'sches Gasglühlicht.
Industrie Blätter, 1893, Nr. **43**, 339; Berg. u. H. Ztg., 1893, **52**, n. s. **47**, 437.
- 1893: 369. NOTE. Das Auer'sches Glühlicht.
Ztschr. d. Ver. deut. Ing., 1893, **37**, Nr. **11**, 310-315; Berg. u. H. Ztg., 1893, 204.
- 1893: 370. MALLET. Stas Memorial Lecture.
J. Chem. Soc. Lond., 1893, **63**, 1-56; Chem. Soc. Lond. Proc., 1892, **8**, No. 117, 203-211; Chem. Centrbl., 1893, **I**, 378-379, 506; Chem. News, 1893, **67**, 19-22; Jsb. Chem., 1892, 76.
- 1893: 371. CLARKE. Report of Committee on Determination of Atomic Weights, published during 1893.
J. Am. Chem. Soc., 1894, **16**, 179-193; Chem. News, 1894, **69**, 178-179, 190-191, 196-197, 208-210; Chem. Centrbl., 1894, **I**, 809-810, 1110; Fortschr. Phys., 1893, **49**¹⁻², 177.
- 1893: 372. KRÜSS and VOLK. Zur Kenntniss der Schwefelverbindungen des Thoriums.
Ztschr. anorgan. Chem., 1894, **5**, 75-79; Chem. Centrbl., 1893, **2**, 747-748; Ber., 1893, 1003 Ref.; Jsb. Chem., 1893, **2**, 404-405.
- 1893: 373. TROOST. Sur la préparation du zirconium et du thorium.
C. R., 1893, **116**, 1227-1230; J. Chem. Soc. Lond., 1893, **64**, **2**, 473; Chem. News, 1893, **68**, 28; Ztschr. anorgan. Chem., 1893, **4**, 474 Ref.; Ber., 1893, 483 Ref.; Chem. Centrbl., 1893, **II**, 191; Jsb. Chem., 1893, **II**, 403.
- 1893: 374. HIDDEN and MACKINTOSH. Mineralogical Notes, "Xenotime."
Am. J. Sci., 1893, **46**, 254-257; Ztschr. Kryst., 1895, **25**, 108-109; Jahrb. Min., 1895, **82**, **2**, 27-28 Ref.; Giorn. min., 1893, **4**, 298; Bull. soc. franç. min., 1895, **18**, 152; Chem. Centrbl., 1893, **II**, 976-977.
- 1893: 375. POLIS. Über das Auerlicht.
Chem. Ges. für den Reg. Bez. Aachen.; Industrie Blätter, 1893, 214-215; J. Gas L., 1893, **61**, 1207; Chem. Ztg., 1893, **17**, pt. **I**, 612; Berg. u. H. Ztg., 1893, 437.
- 1893: 376. INGALLS. The Rare Elements.
The Mineral Industry, New York, 1893, 555-576.
- 1893: 377. RUNDSCHAU. Auerlicht betr.
J. Gasbel, 1893, **36**, 41-42; J. Soc. Chem. Ind., 1893, 820; Chem. Ztg. Rep., 1893, **17**, 35-36; Berg. u. H. Ztg., 1893, 204; J. Gas L., 1893, **61**, 404.
- 1893: 378. TROOST. Sur la préparation du zirconium et du thorium.
C. R., 1893, **116**, 1428-1429; J. de pharm., 1893 [**5**], **28**, 76-77; Ztschr. anorgan. Chem., 1894, **5**, 241 Ref.; Chem. Centrbl., 1893, **II**, 356; Ber., 1893, 669 Ref.; Jsb. Chem., 1893, **2**, 403.

- 1893: 379. HIDDEN and HILLEBRAND. On Mackingtoshite, a new thorium and uranium Mineral, with analyses by W. F. Hillebrand. *Am. J. Sci.*, 1893 [3], **46**, 98-103; *Ztschr. Kryst.*, 1895, **25**, 105-106; *Jahrb. Min.*, 1895, **82**, **2**, 8-9 Ref.; *Min. Mag.*, 1892-1894, **10**, 341; *Giorn. min.*, 1893, **4**, 237; *Bull. soc. franç. min.*, 1895, **18**, 59-60; *Chem. Centrbl.*, 1893, **II**, 831-832; *Ber.*, 1893, 755 Ref.; *Rammelsberg's Min. Chem.*, 1895, *Zweites Suppl.*, 454; *Dana's Min.*, 6th ed., *Appendix I*, 44; *Jsb. Chem.*, 1893, **2**, 403-404 Ref.
- 1893: 380. HILLEBRAND. A further example of the Isomorphism of Thoria and Uranium dioxide. *Bull. U. S. Geol. Survey*, 1893, **113**, 40-43; *Ztschr. anorgan. Chem.*, 1893, **3**, 249-251 Ref.; *Ztschr. Kryst.*, 1895, **25**, 283, 636; *J. Chem. Soc. Lond.*, 1893, **64**, 378; *Fortschr. Phys.*, 1893, **49**¹⁻², 283; *Chem. Centrbl.*, 1893, **I**, 925; 1896, **I**, 90; *Ber.*, 1893, **26**, 227 Ref.; *Jsb. Chem.*, 1893, **2**, 585-586.
- 1893-1894: 381. HILLEBRAND. The composition of Rowlandite and Mackingtoshite. *Bull. U. S. Geol. Survey*, 1893-1894, **113**, 44-48.
- 1893: 382. HIDDEN and HILLEBRAND. Description of Rowlandite. *Am. J. Sci.*, 1893, [3], **46**, 208-212; *Jahrb. Min.*, 1895, **82**, **2**, 14-15 Ref.; *Ztschr. Kryst.*, 1895, **25**, 107-108; *Min. Mag.*, 1892-1894, **10**, 338; *Giorn. min.*, 1893, **4**, 237; *Bull. soc. franç. min.*, 1895, **18**, 150-151; *Rammelsberg's Min. Chem.*, 1895, *Zweites Suppl.*, 276; *Chem. Centrbl.*, 1893, **II**, 834-835.
- 1893: 383. HALLER. La préparation industrielle des terres rares. *Revue Gen. Sci.*, 1893, 718-719.
- 1893: 384. GIBBS. Notes on the oxides contained in Cerite, Samarskite, Gadolinite, and Fergusonite. *Am. Chem. J.*, 1893, **15**, 546-566; *Am. Acad. Arts and Sciences, Proc.* 1893, n. s., **20**, 260-279.
- 1893: 385. HOLMQUIST. Pyrochlor från Alnön. *Geol. Fören. Förh.*, 1893, **15**, 588-606; *Jahrb. Min.*, 1895, **82**, **2**, 15-17 Ref.; *J. Chem. Soc. Lond.*, 1895, **68**, **2**, 509; *Ztschr. Kryst.*, 1895, **25**, 424-425; *Min. Mag.*, 1895-1897, **11**, 231-232; *Chem. Centrbl.*, 1893, **II**, 457-458; *Rammelsberg's Min. Chem.*, 1895, *Zweites Suppl.*, 181.
- 1893: 386. NORDENSKJÖLD. Neue Untersuchungen über das molekulargewicht der Gadoliniterde. *J. prakt. Chem.*, 1893, **155**, 1-27; *Chem. Centrbl.*, 1893, **I**, 338-340; *Ber.*, 1893, 263 Ref.; *Fortschr.-Phys.*, 1893, **49**¹⁻², 193-194; *Jsb. Chem.*, 1893, **2**, 508-510.
- 1893: 387. RICHARDS. The Specific Heats of the Metals. *J. Frankl. Inst.*, 1893, 3^o, **106**, 37-53, 116-131, 178-193; *Chem. News*, 1893, **68**, 58-60, 69-72, 82-85, 93-94, 105-107.


- 1893: 388. FÄNDREICH and OECHELHÄUSER. Das Auer'sche Gasglühlicht.
Ztschr. d. Ver. d. Ing., 1893, No. 11, 310-315; Berg. u. H. Ztg., 1893, 204.
- 1893: 389. BEHRENS. Analyse qualitative microchimique.
Encyclopédie Chimique, Fremy, Paris, 1893, Tome IV, pte. 5, Analyse chimique, pp. 168.
- 1893: 390. SEPULCHRE. Incandescent Gas-lighting. Liège Assoc. of Engineers. (Brussels section.)
J. Gas L., 1893, 62, 889; Am. Gas L. J., 1893, 59, 805.
- 1893: 391. SCHMIDT. Das periodische Gesetz.
Monatsh. Chem., 1893, 14, 8-23; Chem. Centrbl., 1893, 64, I, 507; Ber., 1893, 358 Ref.; Jsb. Chem., 1893, 17.
- 1893: 392. DEELEY. A New Diagram and Periodic Table of the Elements.
J. Chem. Soc. Lond., 1893, 63, 852-867; Chem. Soc. Lond. Proc., 1893, 9, 50, 70; Chem. News, 1893, 67, 157; Chem. Centrbl., 1893, 64, I, 811; 1893, 64, II, 315; Ber., 1894, 559 Ref.; Jsb. Chem., 1893, 17.
- 1893: 393. ———. Zur kenntniss der beim Gasglühlicht verwandten substanzen.
Bayr. Ind. Gew., Bl. 1, 25, 550; Chem. Centrbl., 1893, 64, II, 1117-1118.
- 1894: 394. DEELEY. The oxides of the elements and the periodic law.
J. Chem. Soc. Lond., 1894, 65, 106-115; Chem. Soc. Lond. Proc., 1893, 9, 242, 247; Chem. News, 1893, 68, 303-304; Chem. Centrbl., 1894, 65, I, 266; Ber., 1894, 539 Ref.
- 1894: 395. THORIUM.
Watts' Dictionary of Chem., 1894, Vol. 4, 710-714.
- 1894: 396. KHRUSHCHOV. Analysen des Samarskit, Pyrochlor, Tantalit und Niobit.
Verh. K. russ. min. Ges., 1894, 31, 412-417; Ztschr. Kryst., 1896, 26, 335; Dana's Min., 1899, 6th ed., Appendix I, p. 56; J. Chem. Soc. Lond., 1896, 70, 2, 567.
- 1894: 397. AUER VON WELSBACH. Composition pour l'éclairage par incandescence.
Monit. Sci. Quesneville, 1894, [4], 8, 2, Patent List, p. 136; Br. Ger. patent 74745, August 15, 1891; 3d addition to patent 39162; 2d addition to patent 44016; see also patent no. 41945.
- 1894: 398. BÖTTINGER. Zur Reinigung des Thoroxyds.
Ztschr. anorgan. Chem., 1894, 6, 1; J. Gasbel., 1894, 37, 286; Chem. Ztg. Rep., 1894, 18, 64-65; Chem. Centrbl., 1894, 65, I, 720; Ber., 1894, 248 Ref.

- 1894: 399. JANNASCH. Berichtigung.
Ztschr. anorgan. Chem., 1894, **6**, 175; Ber., 1894, 373 Ref.; Chem. Centrbl., 1894, **65**, **1**, 820.
- 1894: 400. DENNIS and KORTRIGHT. Upon the separation of Thorium from rare earths of the Cerium and Yttrium groups by means of Potassium hydronitride.
Am. Chem. J., 1894, **16**, 79-83; Ztschr. anorgan. Chem., 1894, **6**, 35-39; Chem. News, 1894, **69**, 149-150; Ztschr. anal. Chem., 1895, **34**, 82-85; Ber., 1894, **27**, 275 Ref.; Chem. Centrbl., 1894, **65**, **1**, 720-721; S. of M. Quar., 1894, **15**, 279; 1895, **16**, 178.
- 1894: 401. KRÜSS. Zur Kenntniss der Schwefelverbindungen des Thoriums.
Ztschr. anorgan. Chem., 1894, **6**, 49-56; Chem. Centrbl., 1894, **65**, **1**, 721; Ber., 1894, 251 Ref.
- 1894: 402. JANNASCH, LOCKE, LESINSKY. Mittheilungen über Thoriumverbindungen. Vorläufige Mitteilung.
Ztschr. anorgan. Chem., 1894, **5**, 283-287; Ber., 1894, 9 Ref.; Chem. Centrbl., 1894, **65**, **I**, 13; Jsb. Chem., 1893, **2**, 404.
- 1894: 403. LOCKE. Über Thorium metaoxyd und dessen Hydrate.
Ztschr. anorgan. Chem., 1894, **7**, 345-350; Chem. Centrbl., 1894, **65**, **II**, 962; Ber., 1894, 869 Ref.
- 1894: 404. BOKORNY. Toxicologische Notizen über einige Verbindungen des Tellur, Wolfram, Cer, Thorium.
Chem. Ztg., 1894, **18**, 1739; Chem. Centrbl., 1894, **65**, **II**, 999.
- 1894: 405. VOLCK. Über die Verbindungen der Thorerde mit Phosphorsäure und Vanadinsäure.
Ztschr. anorgan. Chem., 1894, **6**, 161-167; Ber., 1894, 373 Ref.; Chem. Centrbl., 1894, **65**, **I**, 819-820.
- 1894: 406. CLARKE. Report of Committee on Atomic Weights, published during 1894.
J. Am. Chem. Soc., 1894, **17**, 201-212; Chem News, 1895, **72**, 93-94, 105-106, 157, 167, 179-180; Fortschr. Phys., 1895, **51**¹, 149.
- 1894: 407. DENNIS and MAGIE. Contributions to the Chemistry of Cerium.
J. Am. Chem. Soc., 1894, **16**, 649-664; Ztschr. anorgan. Chem., 1894, **7**, 250-264; Ber., 1894, **27**, 863-864 Ref.; Chem. Centrbl., 1894, **65**, **II**, 773.
- 1894: 408. KELLER. Some recent contributions to our knowledge of metallic reducing agents.
J. Frankl. Inst., 1894, **138**, 306-317.
- 1894: 409. JANNASCH and LOCKE. Bestimmung des Wassers in hygroskopischen Substanzen.
Ztschr. anorgan. Chem., 1894, **6**, 174-175; Chem. Centrbl., 1894, **65**, **II**, 840; Ber., 1894, 423 Ref.

- 1894: 410. WITT. Die chemische Industrie in den Vereinigten Staaten von Nord-Amerika im Jahre 1893.
Prometheus, 1894, **5**, Nr. 22; Chem. Ind., 1894, 21-23, 64-76, 99-109, 117-125, 155-164, 178-185; Wagner's Jsb., 1894, 540-541; Berg. u. H. Ztg., 1894, **53**, n. s. 48, 139; J. Soc. Chem. Ind., 1896, 580-581.
- 1894: 411. BEHRENS. Microchemical Analysis (on thorium), London, 1894, pp. 3, 97-99, 139, 231-233.
- 1894: 412. GENTSCH. Zur Geschichte der Gluhkörper für Gasglühlicht. J. Gasbel, 1894, **37**, 193-195.
- 1894: 413. NOTICE. Das mineral, Monazit.
Berg. u. H. Ztg., 1894, **53**, n. s. 48, 189.
- 1894: 414. LUNGE. Die Columbische Weltausstellung in Chicago (exhibit of rare earths).
Ztschr. angew. chem., 1894, 3-9, 42-46; Berg. u. H. Ztg., 1894, **53**, n. s. 48, 95.
- 1894: 415. NOTE. The Condition and Prospects of Incandescent Gas-lighting.
J. Gas. L., 1894, **63**, 1171-1172.
- 1894: 416. EDITORIAL. Monazite.
The Mineral Industry, New York, 1894, **3**, 455-456.
- 1895: 417. SCHNEIDER. Ueber das Atomgewicht des Wismuths.
J. prakt. Chem. 1894, n. s. **50**, o. s. **158**, 461-472; Ber., 1895, 50-51 Ref.
- 1895: 418. ST. JOHN. Ueber die Vergleichung des Lichtemissionsvermögens der Körper bei hohen Temperaturen und über den Auer'schen Brenner.
Ann. der. Phys. Pogg., 1895, **56**, 433-450; J. Gasbel., 1896, 427; J. Gas L., 1896, **67**, 275; Gas World, 1896; Am. Gas Light J., 1896, **64**, 376; Berg. u. H. Ztg., 1896, **55**, n. s. **50**, 77; J. Phys., 1896, **5**, 367; Wagner's Jsb., 1896, **42**, 72-74; Chem. Ztg. Rep., 1895, **19**, 390; Rep. tech. jour.-lit., 1896, **18**, 31.
- 1895: 419. PALMER. Chromates of the rare earths. Chromates of Thorium.
Am. Chem. J., 1895, **17**, 374-379; Chem. News, 1895, **72**, 69-70; Ztschr. anorgan. Chem., 1895, **10**, 301; Ber., 1896, 345-346 Ref.; Chem. Centrbl., 1895, **66**, **II**, 14.
- 1895: 420. SCHMELCK. Norwegische Thorium und Yttriumhaltige Mineralien.
Ztschr. angew. Chem., 1895, 542-543; Der Gastechniker; Berg. u. H. Ztg., 1895, **54**, n. s. **49**, 379; Ztschr. prakt. Geol., 1895, 463; J. Gasbel., 1895, **38**, 795; J. Gas L., 1895, **66**, 1089-1090; Chem. Ztg., 1895, **19**, 1764; Ber., 1895, 970 Ref.; Chem. Centrbl., 1895, **66**, **II**, 944; Ztschr. anorgan. Chem., 1897, **14**, 311-312 Ref.; Rep. tech. jour.-lit., 1895, **17**, 219.

- 1895: 421. SMITH and HARRIS. The action of phosphorus pentachloride upon the dioxides of Zirconium and Thorium.
J. Am. Chem. Soc., 1895, **17**, 654-656; *Bull. soc. chim. Paris*, 1896, [3], **16**, 225; *Chem. Centrbl.*, 1895, **66**, **II**, 590-591; *Rep. tech. jour.-lit.*, 1895, **17**, 242.
- 1895: 422. GRAY. Zur Thoriumfrage.
Chem. Ztg., 1895, **19**, 705-706; *J. Gas. L.*, 1895, **65**, 1144; *J. Gasbel.*, 1895, **38**, 571.
- 1895: 423. THESEN. Die technische darstellung von Thoriumnitrat.
Chem. Ztg., 1895, **19**, 2254; *Berg u. H. Ztg.*, 1896, **55**, n. s. **50**, 77.
- 1895: 424. NOTICE. L'exploitation de la thorite en Norvège.
Cosmos, 1895, [**4**], **33**, 385.
- 1895: 425. CLARKE. The constitution of the silicates.
Bull. U. S. Geol. Survey, 1895, **125**, 1-109; *S. of. M. Quar.*, 1898, **20**, 88; *Ztschr. Kryst.*, 1896-'97, **28**, 326-333.
- 1895: 426. LANGLET. Om förekomster af helium i cleveit.
Öfv. K. Sv. Vet. Akad. Förh., 1895, No. **4**, 207-208, 211-213.
- 1895: 427. NORDENSKIÖLD. Thorium oxalat (containing uranoxid).
Öfv. K. Sv. Vet. Akad. Förh., 1895, No. **4**, 208.
- 1895: 428. NOTE. Thorerdenitrat.
Berg. u. H. Ztg., 1895, **54**, n. s. **49**, 429.
- 1895: 429. GRAY. Auer'sches Gasglühlicht.
Ztschr. prakt. Geol., 1895, **3**, 219-220; *Berg. u. H. Ztg.*, 1895, **54**, n. s. **49**, 410-411; *Ztschr. anorgan. Chem.*, 1897, **14**, 312 Ref.
- 1895: 430. BRÖGGER and VOGT. Norwegens seltene Mineralien.
Oesterr. Ztschr., 1895, 49; *Berg. u. H. Ztg.*, 1895, **54**, n. s. **49**, 117.
- 1895: 431. GENTSCH. Gasglühlicht, dessen Geschichte, Wesen und Wirkung.
Dingl. pol. J., 1895, **295**, 193-201, 217-224, 241-250, 265-272; *Berg. u. H. Ztg.*, 1895, **54**, n. s. **49**, 145; *J. Gasbel*, 1895, **38**, 395; 1897, **40**, 34.
- 1895: 432. LING. Zur Thoriumfrage.
Chem. Ztg., 1895, **19**, 1468-1469; *J. Gas L.*, 1895, **66**, 534-535; *J. Gasbel.*, 1895, **38**, 635; *Chem. Centrbl.*, 1895, **66**, **II**, 590.
- 1895: 433. VOGT. Beiträge zur genetischen Classification der durch magnetische Differentiations-processes und der durch Pneumatolyse entstandenen Erzvorkommen.
Ztschr. prakt. Geol., 1895, 367, 444, 465-484; *Ztschr. Kryst.*, 1897-1898, **29**, 404-405.

- 1895: 434. CLARKE. Third Year of Report of Committee on Atomic Weights. Results published in 1895.
 J. Am. Chem. Soc., 1896, **18**, 197-214; Chem. News, 1897, **75**, 75-76, 88-90, 100-101, 110-111; Ztschr. physikal. Chem., 1896, **21**, 181-182; Beibl. Ann. der Phys., 1896, **20**, 929-930; 1897, **21**, 42, Lit. Uebers.; 1898, **22**, 1-2; Fortschr. Phys., 1896, **52**¹, 115-116; Jsb. Chem., 1896, 3; Rep. tech. jour.-lit., 1896, **18**, 70.
- 1895: 435. BRAUNER. Cerium.
 Chem. News, 1895, **71**, 283-285; J. Chem. Soc. Lond., 1895, **68**, **2**, 352-353; Ber., 1895, 905 Ref.; Chem. Centrbl., 1895, **66**, **II**, 283-284; Rep. tech. jour.-lit., 1895, **17**, 35.
- 1895: 436. NOTICE. Thoritfieber in der Stadt Krageroe.
 Chem. Ztg., 1895, **19**, 560, 682.
- 1895: 437. THORPE. Monazite, a mineral containing Helium.
 Chem. News, 1895, **72**, 32; Ztschr. anorgan. Chem., 1897, **14**, 445 Ref.; Ztschr. Kryst., 1896-1897, **28**, 222; Ber., 1895, 904 Ref.; Chem. Centrbl., 1895, **66**, **II**, 456.
- 1895: 438. GRAY. Thorithaltiges mineralien.
 Ztschr. prakt. Geol., 1895, 219; Berg. u. H. Ztg., 1895, **54**, n. s. **49**, 410-411; Ztschr. anorgan. Chem., 1897, **14**, 312 Ref.; Chem. Centrbl., 1896, **67**, **I**, 214.
- 1895: 439. GLINZER. Ueber das Auer'sches Gasglühlicht.
 Ztschr. angew. Chem., 1895, 185-188; J. Gasbel., 1895, **38**, 295-299, 310-313; Ztschr. prakt. Geol., 1895, **3**, 219-220; Chem. Centrbl., 1895, **66**, **I**, 904-906.
- 1895: 440. RAMSAY. Helium, a gaseous constituent of certain minerals. Part I.
 Roy. Soc. Lond. Proc., 1895, **58**, 81-89.
- 1895: 441. BUNTE. Neuere Erscheinungen auf dem Gebiet der Gasbeleuchtung, (Argon, Thoriumoxyd, Acetylen und Benzol).
 Verhandl. der 35 Jahresversammlung des Deutschen Vereins von Gas- und Wasserfächmännern in Köln 1895; J. Gasbel., 1895, **38**, 545-549, 561-565; J. Gas L., 1895, **66**, 877-878.
- 1895: 442. NOTE. Monazite and Incandescent Gas-lighting.
 J. Gas L., 1895, **66**, 628-629.
- 1895: 443. NITZE. Monazite and Monazite Deposits in North Carolina.
 Sixteenth Annual Rep. U. S. Geol. Survey, 1894-1895, pt. **4**, 667-693; Bulletin North Carolina Geol. Survey, 1895, No. **9**, pp. 47, 5 plates; J. Frankl. Inst., 1897, **144**, 127-133; Ztschr. prakt. Geol., 1895, **3**, 220; 1897, **5**, 228-229; Jonr. Elisha Mitchell Sci. Soc., 1895, **12**, **2**, 38-48; Eng. and Min. Jour., 1895, **59**, 293; Trans. Amer. Inst. M. E., 1895, **25**, 40-43; Dingl. pol. J., 1897, **306**, 144; J. Soc. Chem. Ind., 1895, 405; 1897, 755; Berg. u. H. Ztg., 1895, **54**, n. s. **49**, 195; 1896, **55**, n. s. **50**, 327; Pop. Sci. News, 1897, 273; Ann. Gew., **39**, 127;

- Ztschr. anorgan. Chem., 1897, **14**, 312 Ref.; Chem. News, 1895, **71**, 181; J. Gas L., 1897, **70**, 576; J. Gasbel., 1896, **39**, 88-89; 1897, **40**, 691; Chem. Centrbl., 1895, **66**, **I**, 1077; 1896, **67**, **I**, 665-666; 1897, **68**, **II**, 1112-1113; Ind. and Iron, 1897, **23**, 198; Jahrb. Min., 1897, **86**, **2**, 267-268 Ref.; Rep. tech. jour.-lit., 1897, **19**, 397; 1896, 440.
- 1895 : 444. CAREY LEA. Über die Beziehung der Farben von Atom, Ion und Molekul.
Ztschr. angew. Chem., 1895, **9**, 312-328.
- 1895 : 445. MORAHT. Gerhard Krüss  mit Porträt.
Ztschr. anorgan. Chem., 1895, **8**, 243-252.
- 1895 : 446. ——— The properties of Thorium nitrate.
Chem. Trade J., 1895, 165; J. Soc. Chem. Ind., 1895, 833.
- 1895 : 447. MASON. Uses of Monazite in Europe.
U. S. Consular Reports, 1895, **48**, No. **176**, 170; J. Soc. Chem. Ind., 1895, 610-611.
- 1895 : 448. TOWNES. Monazite in Brazil.
U. S. Consular Reports, 1895, **49**, No. **181**, 241.
- 1895 : 449. REPORTS of Consuls Mason, De Kay, Warner, Robertson, O'Neil, Boyesen, Isdahl, Gade, Heenan, McDaniel, and Smith.
Monazite in Foreign Countries.
U. S. Consular Reports, 1895, **48**, No. **179**, 541-551; J. Soc. Chem. Ind., 1895, 835-836.
- 1895 : 450. MEYER. Die weitere Entwicklung der von Döbereiner und Pettenkofer erstrebten Systematik.
Ostwald's Klassiker der Exakten Wissenschaften, 1895, **66**, 27-34.
- 1895 : 451. BEHRENS. Mikrochemische Methoden.
Verslagen en Mededeeling d. Kon. Akadem. v. Wetensch. te Amsterdam Natuurkund, Afd., 1882; reprinted in Ann. d. l'Ecole Polyt. de Delft, 1885, t. **I**.
- 1895 : 452. BEHRENS. Anleitung zur mikrochemischen Analyse, 1895.
- 1895 : 453. RAMSAY, COLLIE, and TRAVERS. Helium, a constituent of certain minerals.
J. Chem. Soc. Lond., 1895, **67**, 684-701; Chem. News, 1895, **71**, 151; Ber., 1896, 900-901 Ref.; Chem. Centrbl., 1895, **66**, **I**, 867; 1895, **66**, **II**, 455-456.
- 1895 : 454. MEZGER. The Monazite districts of North and South Carolina.
Trans. Am. Inst. M. E., 1895, vol. **25**, 822-826, 1036-1040; Ztschr. prakt. Geol., 1896, **4**, 166.
- 1895 : 455. WESTPHAL. Ueber das Leuchten des Gasglühlichtes.
J. Gasbel., 1895, **38**, 363.

- 1895: 456. RAMMELSBURG. Melanoceritgruppe.
Rammelsberg's Min. Chem., 1895, Zweites Suppl., 302-303.
- 1895: 457. RAMMELSBURG. Xenotime, Hitterö.
Rammelsberg's Min. Chem., 1895, Zweites Suppl., 137-139.
- 1895: 458. DROSSBACH. Zur Chemie der Gasglühlichtoxyde.
J. Gasbel., 1895, **38**, 481-483; J. Gas L., 1895, **65**, 534-535; Am. Gas Light J., 1895, **63**, 567-568; Chem. Centrbl., 1895, **66**, **II**, 667-668.
- 1895: 459. DROSSBACH. Zur Chemie der Gasglühlichtoxyde.
J. Gasbel., 1895, **38**, 581-583; J. Gas L., 1895, **66**, 1195-1196; Am. Gas Light J., 1895, **63**, 1050-1051.
- 1896: 460. LINDGREN and KNOWLTON. The Mining Districts of the Idaho Basin and the Boise Ridge, Idaho.
Eighteenth Report of the U. S. Geol. Survey, 1896-1897, 617-794, and plates; Ztschr. prakt. Geol., 1899, 136-138; Jahrb. f. Min., 1899, **90**, **2**, 392-393 Ref.; J. Am. Chem. Soc., 1901, **23**, in Review of Am. Chem. Research, 1901, **7**, 90.
- 1896: 461. MASON. Auer-Welsbach patents and Monazite in Germany.
U. S. Consular Reports, 1896, **51**, **189**, 242-245; J. Soc. Chem. Ind. 1896, 626-627.
- 1896: 462. TSCHERNIK. Ein unbekanntes Cer-mineral vom Kaukasus (Gouvernement Batum).
Jour. Russ. Chem. and Phys. Soc., 1896, **28**, 345-359.
- 1896: 463. NOTICE. Zu den Gasglühlichtprocessen.
Nach Beilage zur Vossischen Ztg.; Dingl. pol. J., 1896, **302**, 120.
- 1896: 464. DELAFONTAINE. On some colloidal compounds of the rare metals.
Chem. News, 1896, **73**, 284; Ztschr. anorgan. Chem., 1897, **14**, 189 Ref.; Chem. Centrbl., 1896, **67**, **II**, 339; Ber., 1896, 1096 Ref.; Jsb. Chem., 1897, 1040-1041; Rep. tech. jour.-lit., 1896, 407.
- 1896: 465. PETERSON. Contribution à l'étude des éléments des terres rares.
Bihang till Kongl. Sv. Vet. Akad. Handl., 1895-1896, **21**, Afd. **II**, No. **I**, 1-16 and plates; Monit. Sci. Quesneville, 1896, [**4**], **10**, **1**, 342-348; Ztschr. physikal. Chem., 1896, **19**, 169; Öfv. K. Sv. Vet. Akad. Förh., 1895, No. **1**, 1; Beibl. Ann. der. Phys., 1896, 231-232; Jsb. Chem., 1896, 538.
- 1896: 466. RAMSAY and COLLIE. Helium and Argon. Part III. Experiments which show the Inactivity of these Elements.
Roy. Soc. Lond. Proc., 1896-1897, **60**, 3, 53-56; Chem. News, 1896, **73**, 259-260; Chem. Centrbl., 1896, **67**, **I**, 738-740; 1896, **67**, **II**, 147; Jsb. Chem., 1896, 82, 428.

- 1896: 467. WITT. Einiges über seltene erden.
Chem. Ind., 1896, **19**, 156-158, 367-368; J. Soc. Chem. Ind., 1896, 580-581; Wagner's Jsb., 1896, 449-452; Ber., 1896, 625-627 Ref.; Rep. tech. jour.-lit., 1896, 407.
- 1896: 468. NOTICE. Thorite en Norwége.
J. de pharm., 1896, [6], **4**, p. 2, Renseignements.
- 1896: 469. NOTICE. L'industrie des terres rares.
Revue Gen. Sci., 1896, 1074.
- 1896: 470. URBAIN. Contribution à l'étude du thorium.
Bull. soc. chim. Paris, 1896, [3], **15**, 338, 347-349; Chem. News, 1897, **76**, 110-111; J. Chem. Soc. Lond., 1897, **72**, **1**, 236; Ztschr. anorgan. Chem., 1897, **14**, 214; S. of M. Quar., 1898, **19**, 214; Chem. Centrbl., 1896, **67**, **1**, 887; Ber., 1896, 952-953 Ref.; Jsb. Chem., 1896, 491; Rep. tech. jour.-lit., 1896, 440.
- 1896: 471. MOISSAN and ETARD. Sur les carbures d'yttrium et de thorium.
Bull. soc. chim. Paris, 1896, [3], **15**, 1271-1275; C. R., 1896, **122**, 573-577; J. Chem. Soc. Lond., 1896, **70**, **2**, 422-423; 1897, **71**, **1**, 236; Chem. News, 1896, **73**, 164; Chem. Ztg., 1896, 241; Ztschr. anorgan. Chem., 1897, **14**, 214-215; 1897, **16**, 236 Ref.; Ztschr. elektrochem., 1895-1896, **2**, 607; Tidsskrift för Fysik und Kemi, 1896, 408-409; Ber., 1896, 342-343 Ref.; Chem. Centrbl., 1896, **67**, **1**, 834; Beibl. Ann. der Phys., 1896, **20**, 826; Jsb. Chem., 1896, 468; Rep. tech. jour.-lit., 1896, **18**, 281, 440.
- 1896: 472. LARSSON. Untersuchungen über Niob.
Ztschr. anorgan. Chem., 1896, **12**, 188-207; J. Chem. Soc. Lond., 1896, **70**, **2**, 564-565; Chem. Centrbl., 1896, **67**, **II**, 234-235; Jsb. Chem., 1896, 608-611; Rep. tech. jour.-lit., 1896, **18**, 341.
- 1896: 473. DENNIS. The separation of Thorium from the other rare earths by means of Potassium Trinitride.
J. Am. Chem. Soc., 1896, **18**, 947-952; 1897, **19**, in Review of Am. Chem. Research, 1897, **3**, 25; Bull. soc. chim. Paris, 1897, [3], **18**, 197-198; J. Soc. Chem. Ind., 1896, 890; Chem. News, 1896, **74**, 314-315; J. Gasbel., 1897, **40**, 729; Industries and Iron, London, 1896, **21**, 247; Ztschr. anorgan. Chem., 1897, **13**, 412-417; 1898, **18**, 400 Ref.; J. Chem. Soc. Lond., 1897, **72**, **2**, 232, 349; Revue de chim. ind., 1897, **8**, 282; Analyst, 1897, **22**, 51-52; Ztschr. anal. Chem., 1899, **38**, 49-51; S. of M. Quar., 1897, **18**, 173; Chem. Centrbl., 1897, **68**, **1**, 128; Jsb. Chem., 1896, 2120; Rep. tech. jour.-lit., 1896, 440.
- 1896: 474. BARRIÈRE. Lucium, a new element.
Chem. News, 1896, **74**, 159, 212-214, 259; J. de pharm., 1896, [6], **4**, 507; Rev. Sci., 1896, [4], **6**, 600; Pop. Sci. News, 1896, 248; Chem. Ztg. Rep., 1896, **20**, 265; Berg. u. H. Ztg., 1897, **56**, n. s. **51**, 41; J. Gas L., 1896, **68**, 792; J. Gasbel., 1897, **40**, 43; Fortschr. Phys. 1896, **52**¹, 121-122; Chem. Centrbl., 1896, **67**, **II**, 886; S. of M. Quar., 1897, **18**, 176; Ztschr. anorgan. Chem., 1897, **15**, 456 Ref.

- 1896 : 475. CROOKES. The alleged new element, Lucium.
Chem. News, 1896, **74**, 259-260; J. Gasbel., 1897, **40**, 43; J. Gas L., 1896, **68**, 1121; Ztschr. anorgan. Chem., 1897, **15**, 456 Ref.; Chem. Centrbl., 1897, **68**, **1**, 9; Jsb. Chem., 1896, 4.
- 1896 : 476. WYROUBOFF. Recherches sur les silicotungstates.
Bull. soc. franç. min., 1896, **19**, 219-354; J. Chem. Soc. Lond., 1897, **72**, **2**, 173-178; Ztschr. Kryst., 1897-1898, **29**, 659-678 Ref.; Chem. Centrbl., 1898, **69**, **II**, 90-93.
- 1896 : 477. LILLARD. Uses of Thorium.
Knowledge, 1896, 140; Pop. Sci. News, 1896, 249.
- 1896 : 478. PHIPSON. A rare metal.
Knowledge, 1896, 140-141; J. Gas L., 1896, **67**, 1270.
- 1896 : 479. MOISSAN. Sur la formation des carbures d'hydrogène gazeux et liquides par l'action de l'eau sur les carbures métalliques. Classification des carbures.
C. R., 1896, **122**, 1462-1467; Bull. soc. chim. Paris, 1896, [**3**], **15**, 1284-1289; Ztschr. elektrochem., 1896-1897, **3**, 134; Dingl. pol. J., 1897, **304**, 139-140; J. de pharm., 1896, [**6**], **4**, 223-229; Ztschr. anorgan. Chem., 1898, **16**, 236 Ref.; Ber., 1896, 613-614 Ref.; Chem. Centrbl., 1896, **67**, **2**, 342-343; Jsb. Chem., 1896, 472; Rep. tech. jour.-lit., 1896, **18**, 282.
- 1896 : 480. MOISSAN. Étude des carbures métalliques.
Roy. Soc. Lond. Proc., 1896-1897, **60**, 6, 156-160; Jsb. Chem., 1896, 472.
- 1896 : 481. FRESSENIUS and HINTZ. Über die Untersuchung der Thor-nitrate des Handels und die Trennung von Thorerde und Ceroyd.
Ztschr. anal. Chem., 1896, **35**, 525-544; Ber., 1896, **29**, 1012; J. Soc. Chem. Ind., 1896, **15**, 702; Chem. News, 1896, **74**, 257; Ztschr. anorgan. Chem., 1897, **15**, 380 Ref.; Berg. u. H. Ztg., 1896, **55**, n. s. **50**, 385; Analyst, 1897, **22**, 49-51; Monit. Sci. Quesneville, 1897, [4], **11**, **1**, 598-605; Ztschr. angew. Chem., 1897, 121; Wagner's Jsb., 1896, **42**, 452; S. of M. Quar., 1897, **18**, 435; Chem. Centrbl., 1896, **67**, **II**, 756-758; Jsb. Chem., 1897, 690-692; Rep. tech. jour.-lit., 1896, 440.
- 1896 : 482. GLASER. Estimation of Thoria. Chemical Analyses of Monazite sand.
J. Am. Chem. Soc., 1896, **18**, 782-793; Chem. Ztg. 1896, **20**, **2**, 612-614; J. Soc. Chem. Ind., 1896, 642, 675-677; Ztschr. anorgan. Chem. 1897, **15**, 380 Ref.; J. Chem. Soc. Lond., 1897, **72**, **2**, 190-191; Berg. u. H. Ztg., 1896, **55**, n. s. **50**, 345; Chem. News, 1897, **75**, 145-147, 157-158; S. of M. Quar., 1897, **18**, 436-437; Analyst, 1896, **21**, 274-277; Industries and Iron, London, 1896, **21**, 267, 289; Ber., 1896, 1170; Chem. Centrbl., 1896, **67**, **II**, 803-804; Jsb. Chem., 1896, 2119-2120; Rep. tech. jour.-lit., 1896, 440.

- 1896 : 483. SÖHREN. Gasglühlicht.
J. Gasbel., 1896, **39**, 318-319.
- 1896 : 484. DROSSBACH. (The influence of foreign oxides on the lighting power of thorium mantles.)
Gastechner; J. Gas L., 1896, **68**, 1018; J. Soc. Chem. Ind., 1896, 890; Rep. tech. jour.-lit., 1896, 30.
- 1896 : 485. SÖHREN. Das Auer'sche Gasglühlicht.
J. Gasbel., 1896, **39**, 545-550, 561-566, 577-585; J. Soc. Chem. Ind., 1896, **15**, 701-702; Wagner's Jsb., 1896, **42**, 74-76; Rep. tech. jour.-lit., 1896, **18**, 30.
- 1896 : 486. CLARKE. The Constants of Nature. Part V. A Recalculation of the Atomic Weights.
Smithsonian Misc. Coll., 1075; 1897, **38**, pp. vi, 370; Ztschr. physikal. Chem., 1897, **23**, 187; Beibl. Ann. der Phys., 1897, **21**, 801; Chem. Centrbl., 1897, **68**, **II**, 79.
- 1896 : 487. EDITORIAL. The radiating power of Welsbach mantle material.
Am. Gas Light J., 1896, **64**, 376.
- 1896 : 488. WINKELMANN and STRAUBEL. Ueber einige Eigenschaften der Röntgen'schen X-Strahlen.
Ann. der Phys. Wied., 1896, **59**, 324-336.
- 1896 : 489. DROSSBACH. Zur Chemie der Monacit bestandtheile.
Ber., 1896, **29**, 2452-2455; J. Soc. Chem. Ind., 1896, 889-890; Wagner's Jsb., 1896, **42**, 447-449; J. Gasbel., 1897, **40**, 43, 307; Ztschr. anorgan. Chem., 1897, **15**, 457 Ref.; Jahrb. Min., 1897, **86**, **2**, 268 Ref.; Chem. Centrbl., 1896, **67**, **II**, 1085-1086; Jsb. Chem., 1897, 1025-1028; Rep. tech. jour.-lit., 1896, 440.
- 1896 : 490. FRESSENIUS. Lucium.
Chem. News, 1896, **74**, 269; Fortschr. Phys., 1896, **52**¹, 122.
- 1896 : 491. MOISSAN. Étude de quelques carbures métalliques décomposables par l'eau froide.
Ann. chim. phys., 1896, [**7**], **9**, 302-337; Ztschr. anorgan. Chem., 1897, **14**, 172-178 Ref.; C. R., 1896, **122**, 362-363; Ber., 1896, 1100 Ref.; Chem. Centrbl., 1896, **67**, **II**, 1082-1083; Jsb. Chem., 1896, 472; Rep. tech. jour.-lit., 1895, **18**, 282.
- 1896 : 492. DELAUNAY. Succession des poids atomiques des corps simples.
C. R., 1896, **123**, 600-603; J. Chem. Soc. Lond., 1897, **72**, **2**, 92-93; Ztschr. anorgan. Chem., 1897, **15**, 457-459 Ref.; Ber., 1896, 1048 Ref.; Chem. Centrbl., 1896, **67**, **II**, 989-990; Jsb. Chem., 1896, 6.

- 1896: 493. PHIPSON. On a new and abundant source of the rare oxides of thorium, cerium, yttrium, lanthanum, didymium, and zirconium from Norwegian granite.
Chem. News, 1896, **73**, 145; Bull. soc. chim. Paris, 1896, [**3**], **16**, 1756; J. Chem. Soc. Lond., 1896, **70**, **2**, 422; Ztschr. anorgan. Chem., 1897, **14**, 188; Ztschr. Kryst., 1898, **30**, 89; J. Gas L., 1896, **67**, 920; Chem. Centrbl., 1896, **67**, **1**, 1052; Jsb. Chem., 1896, 538; Rep. tech. jour.-lit., 1896, **18**, 30.
- 1896: 494. WISLICENUS. Über aktivierte metalle (metallpaare) und die Verwendung des aktivierten Aluminiums zur Reduktion in neutraler Lösung.
J. prakt. Chem., 1896 [**2**], **54**, 18-65; Ztschr. anorgan. Chem., 1897, **16**, 229-230 Ref.; Ber., 1896, 946-948 Ref.; Chem Centrbl., 1896, **67**, **II**, 772-773; Jsb. Chem., 1896, 120-122.
- 1896: 495. NOTE. Metalle und metallisch-chemische Producte auf der Berliner Gewerbe Ausstellung. "Thorium nitrate."
Berg. u. H. Ztg., 1896, **55**, n. s. **50**, 225.
- 1896: 496. NOTE. Brazilian preferred to Carolina Monazite.
Eng. and Min. J., 1896, **62**, 78; Berg. u. H. Ztg., 1896, **55**, n. s. **50**, 328.
- 1896: 497. PRIOR. On the chemical composition of Zirkelite.
Min. Mag., 1897, **11**, 180-183; Jahrb. Min., 1898, **89**, **2**, 196 Ref.; Ztschr. Kryst., 1898-1899, **31**, 186-187; S. of M. Quar., 1899, **20**, 208; Fortschr. Phys., 1898, **54**¹, 299; Dana's Min., 1899, 6th ed., Appendix I, p. 75; Chem. Gentrbl., 1898, **68**, **II**, 1066.
- 1896: 498. BUNTE. Ueber Glühkörper.
Berliner Gewerbeausstellung, 36 Jahresversammlung des Deutschen Vereins von Gas- und Wasserfachmännern, Berlin, 1896; Offic. Aussstell Nachr., 1896, 19th June; Berg. u. H. Ztg., 1896, **55**, n. s. **50**, 225.
- 1896: 499. KOSMANN. Monazit, Kosmium oxide.
Berg. u. H. Ztg., 1896, **55**, n. s. **50**, 225.
- 1896: 500. VON KNORRE. Anwendung von Metallen und Metalloxyden zur Erzeugung von Glühlicht.
Berg. u. H. Ztg., 1896, **55**, n. s. **50**, 352-353.
- 1896: 501. NOTE. The Incandescent Gas Light Co. *versus* The De Marc Incandescent Gas Light System (Limited) and Others.
J. Gas L., 1896, **67**, 571-579, 635-640, 703-706, 757-761, 872-877.
- 1896: 502. LEWES. Incandescent Gas Lighting.
J. Gas L., 1896, **67**, 1104-1110, 1152-1156; Rep. tech. jour.-lit., 1896, **18**, 30.
- 1896: 503. NOTE. Thorium nitrate.
J. Gas L., 1896, **68**, 455.

- 1896: 504. NOTICE. The Welsbach patents in Germany. Decision of Supreme Court.
J. Gas L., 1896, **68**, 468-469.
- 1896: 505. VON KNORRE. Ueber die Entwicklungsgeschichte des Gasglühlichts mit Demonstrationen.
Verhandl. d. Vereins zur Beförderung des Gewerbflusses, Sitzungsber., 1896, **75**, 156-170; Monit. Sci. Quesneville, 1897 [**4**], **11**, **1**, 215-219; Rep. tech. jour.-lit., 1896, **18**, 30.
- 1896: 506. NOTICE. The Incandescent Gas Light Co. *versus* The Meteor Incandescent Lighting Co., Limited.
J. Gas L., 1896, **68**, 1019.
- 1896: 507. BARROWS. The Welsbach Light.
Am. Gas Light J., 1896, **64**, 410-413; Rep. tech. jour.-lit., 1896, **18**, 30.
- 1896: 508. KILLING. Ueber Gasglühlicht, das Leuchten und die Zusammensetzung der Glühkörper.
J. Gasbel., 1896, **39**, 697-699; J. Gas L., 1896, **68**, 1128-1129; Am. Gas Light J., 1896, **65**, 934-935; Chem. Ztg., 1896, 497-499; J. Soc. Chem. Ind., 1896, 794; Gas World, 1896; Naturw. Rundschau., 1898, **13**, 69-70; Beibl. Ann. der Phys., 1898, **22**, 313; Chem. Centrbl., 1897, **68**, **I**, 213-214; Jsb. Chem., 1896, 77; 1897, 687; Rep. tech. jour.-lit., 1896, **18**, 30.
- 1896: 509. LOCKYER. On the unknown lines observed in the Spectra of certain minerals.
Roy. Soc. Lond. Proc., 1896-1897, **60**, 133-143; Ztschr. Kryst., 1898, **30**, 87.
- 1896: 510. GLADSTONE. The relation between the refraction of the elements and their chemical equivalents.
Roy. Soc. Lond. Proc., 1896-1897, **60**, 140-146.
- 1896: 511. PREYER. Argon and Helium im System der Elemente.
Ber., 1896, **29**, 1040-1041; J. Chem. Soc. Lond., 1896, **70**, **2**, 418-419; Chem. Centrbl., 1896, **67**, **I**, 1185; Jsb. Chem., 1896, 3.
- 1896: 512. RETGERS. Ueber die Stellung des Tellurs im periodische system.
Ztschr. anorgan. Chem., 1896, **12**, 98-117; Ber., 1896, 631-632 Ref.; Chem. Centrbl., 1896, **67**, **II**, 10-11; Jsb. Chem., 1896, 6.
- 1896: 513. ———. Entscheidung des Reichsgerichtes in Sachen der Auer-patente.
J. Gasbel., 1896, **39**, 506.
- 1896: 514. ———. Die Urtheilsbegründung des Reichsgerichtes in Sachen der Auer-patente.
J. Gasbel., 1896, **39**, 516-522; Rep. tech. jour.-lit., 1896, **18**, 31.

- 1896 : 515. JOLY. Untersuchungen über Gasglühlicht und die kosten verschiedener Beleuchtungsarten.
J. Gasbel., 1896, **39**, 602-605; Rep. tech. jour.-lit., 1896, **18**, 30.
- 1896 : 516. DAY. Minor minerals of the United States, Monazite and Granitic Rocks.
The Engineering Magazine, 1896, 299-306, 504-513; J. Gas L., 1896, **67**, 1393.
- 1896 : 517. GENTSCH. Gas Lighting by Incandescence.
Engineering, London, 1896, 300-301, 357-360, 467-468; Am. Gas Light J., 1896, **65**, 523-527, 646-647; J. Gasbel., 1897, **40**, 341; Rep. tech. jour.-lit., 1896, **18**, 31.
- 1896 : 518. TSCHERNIK. Einiges bezüglich der Zusammensetzung und Natur eines Cerit-minerals aus dem Batumschen Gebiet.
Pharm. Ztschr. f. Russlands, 1896, **35**, 263; Chem. Centrbl., 1896, **67**, **II**, 256; Ztschr. anorgan. Chem., 1897, **14**, 312 Ref.
- 1896 : 518a. CLARKE. Fourth Annual Report of the Committee on Atomic Weights. Results published in 1896.
J. Am. Chem. Soc., 1897, **19**, 359-369; 1897, **19**, in Review of Am. Chem. Research, 1897, **3**, 121; J. Chem. Soc. Lond., 1898, **74**, **2**, 213; Bull. soc. chim. Paris, 1897, [**3**], **18**, 1185-1186; Chem. News, 1897, **75**, 282-283, 293-295; Fortschr. Phys., 1897, **53**¹, 125-126; Jsb. Chem., 1897, 7-8; Rep. tech. jour.-lit., 1896, **19**, 68.
- 1896 : 518b. LORENZ. Über "Zwillingselemente."
Ztschr. anorgan. Chem., 1896, **12**, 329-339 + tafel.; J. Chem. Soc. Lond., 1896, **70**, **2**, 639-640; Ber., 1896, **29**, 902 Ref.; Beibl. Ann. der Phys., 1896, **20**, 111 Lit. Uebers; 1897, **21**, 87; Chem. Centrbl., 1896, **67**, **II**, 698-699; Jsb. Chem., 1896, 3.
- 1896 : 518c. LEA. On numerical Relations existing between the Atomic Weights of the Elements.
Am. J. Sci., 1896, [**4**], **1**, 386-388; J. Chem. Soc. Lond., 1896, **70**, **2**, 594; Chem. News, 1896, **73**, 203-204; Ztschr. physikal. Chem., 1896, **21**, 306; Ztschr. anorgan. Chem., 1896, **12**, 249-252; Chem. Centrbl., 1896, **67**, **I**, 1249; 1896, **67**, **II**, 332-333; Jsb. Chem., 1896, 6.
- 1896 : 518d. LEA. On the Color Relations of the Atoms, Ions and Molecules. Part II.
Am. J. Sci., 1896, [**4**], **1**, 405-416; J. Chem. Soc. Lond., 1896, **70**, **2**, 639; Chem. News, 1896, **73**, 260-262, 271-272; Ztschr. physikal. Chem., 1896, **21**, 318-319; Ztschr. anorgan. Chem., 1896, **12**, 340-352; Chem. Centrbl., 1897, **67**, **II**, 282-283; Jsb. Chem., 1896, 35-36.
- 1896 : 518e. SMITH. Monazite in Brazil.
U. S. Consular Reports, 1896, **50**, No. **186**, 372-373.
- 1896 : 518f. CHANDLER and MASON. Welsbach Light Patents in Germany.
U. S. Consular Reports, 1896, **52**, No. **192**, 211-215.

- 1896: 518g. ——— The Welsbach Patents in Germany.
 Official decision in the Nullity Suit; J. Gas L., 1896, **67**, 298-299.
- 1897: 519. NOTICE. Les sources de thorium.
 Revue de chim. ind., 1896, **7**, 372; J. de pharm., 1897, [**6**], **5**, 241-243;
 J. Soc. Chem. Ind., 1897, 129.
- 1897: 520. HINTZ and WEBER. Zur bestimmung der Thorerde im Thorit.
 Ztschr. anal. chem., 1897, **36**, 27-31; J. Chem. Soc. Lond., 1897, **72**, **2**,
 162; J. Gasbel., 1897, **40**, 225; J. Soc. Chem. Ind., 1897, 319, 357-
 358; Analyst, 1897, **22**, 302-303; Ztschr. angew. Chem., 1897, 414-
 415; Bull. soc. chim. Paris, 1897, [**3**], **18**, 950; Wagner's Jsb., 1897,
43, n. s. **28**, 524-525; Ztschr. anorgan. Chem., 1898, **16**, 26-49;
 1898, **18**, 400 Ref.; Chem. Centrbl., 1897, **68**, **1**, 306-307; Jsb.
 Chem., 1897, 1036-1037; Rep. tech. jour.-lit., 1897, **19**, 423.
- 1897: 521. QUERY as to a process for cheap extraction of Thorium
 from monazite.
 Chem. News, 1897, **75**, 276.
- 1897: 522. EDITORIAL. Thorium acetyl-acetate.
 Chem. News, 1897, **76**, 240.
- 1897: 523. EDITORIAL. Reply to above query. Preparation of thorium
 acetyl-acetate.
 Chem. News, 1897, **76**, 253.
- 1897: 524. HINTZ and WEBER. Zur Trennung der Thorerde vom
 Ceroxyd.
 Ztschr. anal. Chem., 1897, **36**, 676-685; Bull. soc. chim. Paris, 1898,
 [**3**], **20**, 453-454; J. Chem. Soc. Lond., 1898, **74**, **2**, 193; Analyst,
 1898, **23**, 81; S. of M. Quar., 1898, 213-214; J. Soc. Chem. Ind.,
 1898, 66; Chem. Centrbl., 1898, **69**, **1**, 144; Rep. tech. jour.-lit.
 1897, **19**, 423.
- 1897: 525. WITT. Ueber den Cergehalt der Thorsalze.
 Printed as a manuscript, April, 1897.
- 1897: 526. GLASER. Ueber das Verhalten der Thorerde zu Oxalsäure
 und Ammoniak oxalat und zur Bestimmung der Thorerde.
 Ztschr. anal. Chem., 1897, **36**, 213-219; J. Chem. Soc. Lond., 1897,
72, **2**, 349-350; J. Gasbel., 1898, **41**, 97; Bull. soc. chim. Paris, 1897,
 [**3**], **18**, 950-951; Analyst, 1898, **23**, 20-21; J. Soc. Chem. Ind., 1897,
 430, 441, 468-469; S. of M. Quar., 1898, 214; Chem. Centrbl., 1897,
68, **1**, 851; Jsb. Chem., 1897, 692-693; Rep. tech. jour.-lit., 1897,
19, 423-424.
- 1897: 527. BUNTE. Einige Bemerkungen über Nebenproducte und
 Hilfsstoffe der Gasindustrie.
 Verhandl. 36 Jahresversammlung des Deutschen Vereins von Gas- und
 Wasserfachmännern, Berlin, 1896; J. für Gasbel., 1897, **40**, 405-
 407, 421-423; J. Gas L., 1897, **70**, 482-483; J. Soc. Chem. Ind.,
 1897, 661-662.

- 1897: 528. WENGHÖFFER. Über Gasglühlicht und die zu demselben benutzten Stoffe.
B. Pharm. Ges., 1897, **7**, Heft. **3**, 85-96, Sonderabdr; Chem. Centrbl., 1897, **68**, **1**, 1108-1109; Wagner's Jsb., 1897, **43**, n. s. **28**, 521-524.
- 1897: 529. FÜHSE. Über krystallisiertes Thoriumnitrat.
Ztschr. angew. Chem., 1897, **97**, 115-116; Bull. soc. chim. Paris, 1897, [**3**], **18**, 1027; J. Chem. Soc. Lond., 1897, **72**, **2**, 377; Jahrb. Min., 1898, **2**, 369; J. Soc. Chem. Ind., 1897, 429-430, 441; Wagner's Jsb., 1897, **43**, n. s. **28**, 524; J. Gasbel., 1897, **40**, 225; Ztschr. anorgan. Chem., 1898, **18**, 237-238 Ref.; Chem. Centrbl., 1897, **68**, **1**, 580; Jsb. Chem., 1897, 692; Rep. tech. jour.-lit., 1897, **19**, 423.
- 1897: 530. DELAFONTAINE. On the separation of Thoria from Zirconia.
Chem. News, 1897, **75**, 230; J. Chem. Soc. Lond., 1897, **72**, **2**, 377; Bull. soc. chim. Paris, 1898, [**3**], **20**, 69; Ztschr. anorgan. Chem., 1898, **18**, 237, 400 Ref.; S. of M. Quar., 1897, **18**, 435; Chem. Centrbl., 1897, **68**, **II**, 70-71; Jsb. Chem., 1897, 686, 1039; Rep. tech. jour.-lit., 1897, **19**, 424, 471.
- 1897: 531. LINDGREN. Monazite from Idaho.
Eighteenth Ann. Rep. U. S. Geol. Survey, 1896-1897, part **III**, 617-794; Am. J. Sci., 1897 [**4**], **4**, 63-64; J. Soc. Chem. Ind., 1897, 719, 755; J. Chem. Soc. Lond., 1898, **74**, **2**, 123; Eng. and Min. J., 1897, **64**, 69; Jahrb. Min., 1898, **2**, 393-394; S. of M. Quar., 1899, **20**, 203-204; Ztschr. Kryst., 1898-1899, **31**, 295; Ztschr. prakt. Geol., 1899, **7**, 147; J. Am. Chem. Soc., 1901, **23**, in Review of Am. Chem. Research, 1901, **7**, 90; Chem. Centrbl., 1897, **68**, **II**, 600.
- 1897: 532. SCHÜTZENBERGER and BOUDOUARD. Sur les terres du groupe yttrique contenues dans les sables monazités.
C. R., 1896, **123**, 782-788; Bull. soc. chim. Paris, 1898 [**3**], **19**, 227-236; J. Chem. Soc. Lond., 1899, **76**, **2**, 367; Chem. News, 1898, **77**, 193-195, 204-206; Ztschr. anorgan. Chem., 1897, **16**, 231 Ref.; J. Gasbel., 1898, **41**, 387; Chem. Centrbl., 1897, **68**, **1**, 17; 1898, **69**, **1**, 879; Jsb. Chem., 1897, 1039-1040; Rep. tech. jour.-lit., 1898, **20**, 658.
- 1897: 533. SCHUTZENBERGER and BOUDOUARD. Recherches sur les terres contenant dans les sables monazités.
C. R., 1897, **124**, 481-486; Bull. soc. chim. Paris, 1898, [**3**], **19**, 236-244; Ztschr. anorgan. Chem., 1897, **16**, 235 Ref.; Chem. News, 1898, **77**, 220-221, 229-231; J. Chem. Soc. Lond., 1899, **76**, **2**, 367; J. Soc. Chem. Ind., 1897, 429, 441; J. Gasbel., 1898, **41**, 10-11; Chem. Centrbl., 1897, **68**, **I**, 794-795; 1898, **69**, **I**, 879; Jsb. Chem., 1897, 1030-1031; Rep. tech. jour.-lit., 1897, **19**, 396, 397.
- 1897: 534. MERLE. Les terres rares et l'incandescence par le gaz.
Monit. Sci. Quesneville, 1897, [**4**], **11**, **1**, 257-269, 346-361; Ztschr. anorgan. Chem., 1897, **15**, 457 Ref.; Rep. tech. jour.-lit., 1897, **19**, 28, 397.

- 1897: 535. BRÖGGER. Ueber den Mossit und über das Krystallsystem des Tantalits (Skogbölit) aus Finnland.
Skrifter udgivne af Videnskabselskabet i Christiania, 1897, **I**, mathematisk-naturvidenskabelig Klasse, No. **7**, 1-19; Ztschr. Kryst., 1898-1899, **31**, 315-317; Fortschr. Phys., 1898, **54**¹, 299; Jahrb. Min., 1899, **I**, 214-218; Dana's Min., 1899, Appendix to 6th ed., p. 48.
- 1897: 536. KRÜSS. Zur Chemie des Thoriums.
Ztschr. anorgan. Chem., 1897, **14**, 361-366; J. Chem. Soc. Lond., 1897, **72**, **2**, 456-457; Bull. soc. chim. Paris, 1898, [**3**], **20**, 119, 120; Chem. Centrbl., 1897, **68**, **II**, 252; Jsb. Chem., 1897, 688-689; Rep. tech. jour.-lit., 1897, **19**, 423.
- 1897: 537. DROSSBACH. Über die sogenannte Lumineszenz.
J. Gasbel., 1897, **40**, 174; Chem. Centrbl., 1897, **68**, **II**, 324; Jsb. Chem., 1897, 687.
- 1897: 538. LESINSKY and GUNDLICH. Über Thoriumverbindungen. Vorläufige Mitteilung.
Ztschr. anorgan. Chem., 1897, **15**, 81-83; J. Chem. Soc. Lond., 1897, **72**, **2**, 499; Bull. soc. chim. Paris, 1898, [**3**], **20**, 120; J. Gasbel., 1897, **40**, 761; Chem. Centrbl., 1897, **68**, **II**, 790-791; Jsb. Chem., 1897, 689; Rep. tech. jour. lit., 1897, **19**, 423.
- 1897: 539. CLARKE. Fifth Annual Report of Committee on Atomic Weights. Results published in 1897.
J. Am. Chem. Soc., 1898, **20**, 163-173; 1898, **20**, in Review of Am. Chem. Research, 1898, **4**, 54; J. Chem. Soc. Lond., 1898, **74**, **2**, 566; Chem. News, 1898, **77**, 239-241; Wagner's Jsb., 1898, **44**, 436-437; Ztschr. physikal. Chem., 1901, **36**, 120-121; Fortschr. Phys., 1898, **54**¹, 142-144; Rep. tech. jour.-lit., 1898, **20**, 102-103.
- 1897: 540. BUNTE. Gasglühlicht und Acetylen und die neuere Entwicklung der Flammenbeleuchtung.
Vortrag auf der 37 Jahresversammlung des Deutschen Vereins von Gas- und Wasserfächmännern zu Leipzig, 1897; J. Gasbel., 1898, **41**, 17-24; J. Gas. L., 1898, **71**, 398-399, 477-478; Ber., 1898, **31**, 5-25; Chem. News, 1898, **77**, 151; Ztschr. physikal. Chem., 1899, **28**, 745-746; Ztschr. angew. Chem., 1898, 844-845; Ztschr. anorgan. Chem., 1899, **20**, 142; Fortschr. Phys., 1897, **53**¹, 194-195; 1898, **54**¹, 188-189; Dingl. pol. J., 1897, **306**, 143; J. Chem. Soc. Lond., 1898, **74**, **1**, 218-220; Monit. Sci. Quesneville, 1899, [**4**], **13**, **1**, 50; Beibl. Ann. der Phys., 1898, 313-314; J. Soc. Chem. Ind., 1898, 229-230; Chem. Centrbl., 1897, **68**, **II**, 1123-1124; 1898, **69**, **I**, 537-538; Jsb. Chem., 1897, 688, 1034; Rep. tech. jour.-lit., 1898, **20**, 42.
- 1897: 540a. BUNTE. Über Gasglühlicht und Acetylen.
J. Gasbel., 1897, **40**, 437-438.
- 1897: 541. MOISSAN and ÉTARD. Préparation et propriétés du carbure et de la fonte de thorium.
Ann. chim. phys., 1897, [**7**], **12**, 427-432; J. Chem. Soc. Lond., 1899, **76**, **2**, 227; Ztschr. anorgan. Chem., 1898, **18**, 237 Ref.; Chem. Centrbl., 1897, **68**, **II**, 1134-1135; Jsb. Chem., 1897, 689-690; Rep. tech. jour.-lit., 1897, **19**, 424.

- 1897: 542. WYROUBOFF and VERNEUIL. Sur la purification du cerium.
C. R., 1897, **124**, 1230-1233; Ztschr. anorgan. Chem., 1898, **18**, 236 Ref.; Chem. Ztg., 1897, 477; J. Soc. Chem. Ind., 1897, 663, 696, 822; Chem. News., 1897, **75**, 292-293; J. Gasbel., 1897, **40**, 570; S. of M. Quar., 1898, **19**, 213; Chem. Centrbl., 1897, **68**, **II**, 98-99; Revue de chim. ind., 1897, **8**, 210-212; Rep. tech. jour.-lit., 1897, **19**, 397.
- 1897: 543. MOISSAN. "Sur la preparation de l'oxyde de cérium."
C. R., 1897, **124**, 1233-1234; J. Soc. Chem. Ind., 1897, 663, 696; Ztschr. anorgan. Chem., 1898, **18**, 237 Ref.; Chem. Centrbl., 1897, **68**, **II**, 99.
- 1897: 544. HABER. Beitrag zur kenntniss einiger seltenen erden.
Sitzungsber. Akad. d. Wien. Math.-naturw. Kl., 1897, **106**, Abth. **IIb**, 690-702; Monatsh. Chem., 1897, **18**, 687-699; J. Chem. Soc. Lond., 1898, **74**, **2**, 295-296; Analyst, 1898, **23**, 135-137; Jahrbuch Chem., 1898, **8**, 82; Chem. Ztg. Rep., 1898, 66; J. Gasbel., 1898, **41**, 421; Ztschr. anorgan. Chem., 1898, **18**, 238 Ref.; Chem. Centrbl., 1898, **69**, **I**, 657-658; Jsb. Chem., 1897, 1037-1039; Rep. tech. jour.-lit., 1897, **19**, 396-397.
- 1897: 545. SCHEURER and BRYLINSKI. Teinture des matières colorantes sur 19 mordants métalliques.
Bull. Soc. Ind. Mulhouse, 1897, **67**, 161-231, Résumés des séances et procès verbaux, pp. 64, 65, 68-69; J. Soc. Chem. Ind., 1897, 911.
- 1897: 546. WYROUBOFF and VERNEUIL. Sur la purification et sur le poids atomique du cérium.
C. R., 1897, **124**, 1300-1303; Bull. soc. chim. Paris, 1897, [**3**], **17**, 578, 581, 679-690, 1014; Chem. News, 1897, **76**, 137-139, 153-155; Ztschr. anal. Chem., 1899, 679-680; Ztschr. anorgan. Chem., 1898, **18**, 237 Ref.; 1899, **20**, 159-160; Beibl. Ann. der Phys., 1898, 3-4; J. Gasbel., 1898, **40**, 538; Chem. Centrbl., 1897, **68**, **II**, 176-177; Jsb. Chem., 1897, 1028-1030, 1033; Rep. tech. jour.-lit., 1897, **19**, 397; 1899, **21**, 112.
- 1897: 547. KRÜSS and PALMAER. Zur Chemie des Thoriums.
Öfv. K. Sv. Vet. Akad. Förh., 1897, **3**, 141-147.
- 1897: 548. BRAUNER. Contributions to the chemistry of the rare earth metals.
Chem. Soc. Lond. Proc., 1897-1898, No. **191**, 67-68; Brit. Assoc. Adv. Sci., 1897, **67**, 608; Chem. News, 1898, **77**, 160; Chem. Ztg., 1898, **22**, **I**, 272; Jahrbuch Chem., 1898, **8**, 82; J. Gasbel., 1898, **41**, 387; J. Soc. Chem. Ind., 1898, 372; Chem. Centrbl., 1898, **69**, **I**, 918.
- 1897: 549. BRAUNER. On the chemistry and atomic weight of thorium.
Chem. Soc. Lond. Proc., 1897-1898, No. **191**, 68-69; Brit. Assoc. Adv. Sci., 1897, **67**, 609; Chem. News, 1898, **77**, 160; Nature, 1897, **56**, 462; J. Gasbel., 1898, **41**, 387; Chem. Centrbl., 1898, **69**, **I**, 918-919.

- 1897: 550. HOLMQUIST. Synthetische Studien über die Perowskit und Pyrochlormineralien.
Bull. Geol. Inst. Upsala, 1897, **3**, No. **5**, 181-262; Inaugural Dissertation, Upsala, 1897, pp. 88, and 3 plates; J. Chem. Soc. Lond., 1898, **74**, **2**, 388-389; Ztschr. anorgan. Chem., 1898, **18**, 84-85; Jahrb. Min., 1898, **2**, 399-409; Ztschr. Kryst., 1898-1899, **31**, 305-309; Fortschr. Phys., 1898, **54**¹, 302-303; Chem. Centrbl., 1898, 69, **II**, 1068.
- 1897: 551. URBAIN. L'acétylacétonate d'uranyle ainsi que des acétylacétonates des terres de la série du Didyme.
Bull. soc. chim. Paris, 1897 [**3**], **17**, 98.
- 1897: 552. VON KNORRE. Über die Bestimmung des Cers bei Gegenwart von seltenen Erden.
Ztschr. angew. Chem., 1897, 685-688, 717-725; J. Soc. Chem. Ind., 1898, 68, 72, 443, 491-492; J. Chem. Soc. Lond., 1898, **74**, **2**, 311; Ztschr. anorgan. Chem., 1898, **18**, 402 Ref.; Monit. Sci. Quesneville, 1898, [**4**], **12**, **2**, 592-593; Analyst, 1898, **23**, 191; J. Gasbel., 1898, **41**, 199; Chem. Centrbl., 1897, **68**, **II**, 1158; 1898, **69**, **1**, 142-144; Jsb. Chem., 1897, 1034-1035.
- 1897: 553. SHAPLEIGH. Notes on Lucium.
J. Frankl. Inst., 1897, **144**, 68-70; Chem. News, 1897, **76**, 41; Ztschr. anorgan. Chem., 1898, **18**, 217 Ref.; Fortschr. Phys., 1897, **53**¹, 123-124; Chem. Centrbl., 1897, **68**, **II**, 468; Jsb. Chem., 1897, 1042; Rep. tech. jour.-lit., 1897, **19**, 397.
- 1897: 554. RYDBERG. Studien über die Atomgewichtszahlen.
Ztschr. anorgan. Chem., 1897, **14**, 66-102; Chem. Centrbl., 1897, 68, **I**, 676-677; Jsb. Chem., 1897, 9-10.
- 1897: 555. MARATTA. Discovery of Zircons in Tasmania.
U. S. Consular Rep., 1897, **53**, No. **198**, 364-367; J. Soc. Chem. Ind., 1897, 367.
- 1897: 556. WYROUBOFF and VERNEUIL. Sur l'unité élémentaire du corps appelé cérium.
C. R., 1897, **125**, 950-951; J. Chem. Soc. Lond., 1898, **74**, **2**, 222; Ztschr. anorgan. Chem., 1899, **19**, 368; Chem. Centrbl., 1898, **69**, **1**, 235; Jsb. Chem., 1897, 1032.
- 1897: 557. BOUDOARD. Sur le cérium.
C. R., 1897, **125**, 1096-1097; J. Chem. Soc. Lond., 1898, **74**, **2**, 294; Monit. Sci. Quesneville, 1898, [**4**], **12**, **1**, 73; Ztschr. anorgan. Chem., 1899, **19**, 368; Bull. soc. chim. Paris, 1898 (**3**), **19**, 59-64; Chem. Centrbl., 1898, **69**, **1**, 235; Jsb. Chem., 1897, 1032; Rep. tech. jour.-lit., 1898, **20**, 102.
- 1897: 558. WYROUBOFF and VERNEUIL. Sur le poids atomique du cérium.
C. R., 1897, **125**, 1180-1181; J. Chem. Soc. Lond., 1898, **74**, **2**, 294; Ztschr. anorgan. Chem., 1899, **19**, 368; Chem. Centrbl., 1898, **69**, **1**, 311; Jsb. Chem., 1897, 1032-1033; Rep. tech. jour.-lit., 1897, **19**, 397.

- 1897: 559. ———. Pyrochlor.
Gmelin-Kraut, Handb. anorg. Chemie, 1897, **2**², pages 85–86.
- 1897: 560. PREIS. Rozbory některých českých mineralů.
Sitzungsber. Königl. Böhm. Gesells. d. Wiss., 1897, No. **19**, pp. 5; J. Chem. Soc. Lond., 1899, **76**, **2**, 668; Ztschr. Kryst., 1898–1899, **31**, 526; Jahrb. Min., 1899, **I**, 427; Chem. Centrbl., 1899, **70**, **II**, 221.
- 1897: 561. RAMSAY and ZILLIACUS. Monazit of Impilaks.
Öfversigt af Finska-Vetenskaps Societetens Förhandlingar, 1898, 39; pp. 9, mit 3 Abbildungen im Text. Ztschr. Kryst., 1898–1899, **31**, 317–318; J. Chem. Soc. Lond., 1899, **76**, **2**, 562; J. Gasbel., 1899, **42**, 516; Jahrb. Min., 1900, **I**, 17 Ref.; Chem. Centrbl., 1899, **70**, **II**, 75–76; 1900, **I**, 309–310.
- 1897: 562. ———. Afliðne ledamöter. C. V. Blomstrand.
Geol. Fören Förh., 1897, **19**, 537–555.
- 1897: 563. LOEW. Versuch einer graphischen Darstellung für das periodische System der Elemente.
Ztschr. physikal. chem., 1897, **23**, 1–12; Chem. Centrbl., 1897, **68**, **II**, 89; Jsb. Chem., 1897, 11; Rep. tech. jour.-lit., 1896, **19**, 68.
- 1897: 564. BANDSEPT. Brûleurs et manchons pour l'incandescence par le gaz. Bruxelles, Impr. Universitaire, S. H. Moreau. 1897, Br. in —8°.
Gaz., 1897, **40**, 133–134; J. Gas L., 1897, **67**, 604–607; J. Gasbel., 1897, **40**, 671; Résumés des Communications, Société Française de Physique, 1898, 49; Rep. tech. jour.-lit., 1897, **19**, 28.
- 1897: 565. HOHMANN. Zur Theorie des Gasglühlichtes.
J. Gasbel., 1897, **40**, 456–457; J. Soc. Chem. Ind., 1897, 789; Rep. tech. jour. lit., 1897, **19**, 28.
- 1897: 566. MOSCHELES-FRIEDENAU. Die Hypothese des Gasglühlichtes.
Ztschr. Beleucht., 1897, 102–104; J. Gas L., 1897, **69**, 1237–1238; Rep. tech. jour.-lit., 1897, **19**, 28.
- 1897: 567. KEMPER. Ueber die Entwicklung der Gasglühlicht Strassenbeleuchtung.
J. Gasbel., 1897, **40**, 513–517, 529–532; Rep. tech. jour.-lit., 1897, **19**, 29.
- 1897: 568. MENDELÉEFF. The Principles of Chemistry, 1897, 6th edition (English transl.).
- 1897: 569. NOTE. Neues von den Geschäftspraktiken der Auergesellschaft.
Ztschr. Beleucht., 1897, **3**, 203.
- 1897: 570. NOTE. Gasglühlicht Industrie.
Ztschr. Beleucht., 1897, **3**, 6–7, 37, 136.
- 1897: 571. NOTE. Gasglühlicht-Prozesse.
Ztschr. Beleucht., 1897, **3**, 181.

- 1897: 572. KLASON. Christian Wilhelm Blomstrand.
Ber., 1897, **30**, 3227-3241.
- 1897: 573. NOTE. Neues Verfahren zur Abscheidung von Thoriumhydrat bezw. nitrat aus den Rohmaterialen.
Ztschr. Beleucht., 1897, **3**, 83.
- 1897: 574. NOTE. Glühkörper, welche aus vanadiumhaltigem Zirkonoxyd bezw. Thoroxyd bestehen.
Ztschr. Beleucht., 1897, **3**, 222-223.
- 1897: 575. KREBS. Zur Theorie des Gasglühlichtes.
Ztschr. Beleucht., 1897, **3**, 131-132; J. Gasbel., 1897, **40**, 552-553.
- 1897: 576. LUX. Zur Theorie des Gasglühlichtes.
Ztschr. Beleucht., 1897, **3**, 255.
- 1897: 577. LEWES. The Use of Gas for Domestic Lighting. Lecture II.
J. Soc. Arts, 1896-1897, **45**, 101-111; J. Soc. Chem. Ind., 1897, **227**;
J. Gasbel., 1897, **40**, 182-185.
- 1897: 578. DROSSBACH. Zur Chemie des Thoriums.
Ztschr. Beleucht., 1897, **3**, 303; J. Gasbel., 1897, **40**, 761.
- 1897: 579. KILLING. Die Hypothese des Gasglühlichts.
J. Gasbel., 1897, **40**, 359-340; Chem. Centrbl., 1897, **68**, **II**, 8;
Fortschr. Phys., 1897, **53**¹, 195; Jsb. Chem., 1897, 688.
- 1897: 580. DROSSBACH. Zur Hypothese des Gasglühlichts.
Ztschr. Beleucht., 1897, **3**, 233.
- 1897: 581. FRONSTEIN and MAL. Verfahren zur Gewinnung eines ca 50 Prozent Thorerde enthaltenden Materiales aus Monazitsand.
Ztschr. Beleucht., 1897, **3**, 358; Patent Blatt., **18**, 625; D. R. Patent
93,940, Kl. 12, August 5, 1896; J. Gasbel., 1898, **41**, 115; Ztschr.
angew. Chem., 1897, 642; Chem. Centrbl., 1897, **68**, **II**, 1087; Jsb.
Chem., 1897, 686-687.
- 1897: 582. LOHSE. Untersuchung des violetten Theils einiger linienreicher Metallspectra.
Sitzungsber. Königl. Akad. d. Wiss. Berlin, 1897, **I**, 179-197.
- 1897: 583. TASSIN. Catalogue of the Series illustrating the Properties of Minerals.
Smithsonian Institution. Report of the U. S. National Museum for
1897, **1**, 647-688; Jahrb. Min., 1901, **93**, 174-175.
- 1897: 583a. WINKLER. Ueber die Entdeckung neuer Elemente im Verlaufe der letzten fünfundzwanzig Jahre und damit zusammenhängende Fragen.
Ber., 1897, **30**, 6-21.
- 1897: 583b. NOTICE. Glühlichtprocesse.
J. Gasbel., 1897, **40**, 445.

- 1897: 583c. KREBS. Zur Theorie des Gasglühlichts (in reference to article in *Ztschr. Beleucht.*, 1897, **3**, 131).
J. Gasbel., 1897, **40**, 552-553.
- 1897: 583d. BUNTE. (Reference to above article.)
J. Gasbel., 1897, **40**, 553.
- 1898: 584. WYROUBOFF and VERNEUIL. Sur la séparation du thorium et des terres de la cécrite.
Rev. chim. analyt. appl., 1898, **6** [7], 112, 113; *C. R.*, 1898, **126**, **1**, 340-343; *J. Chem. Soc. Lond.*, 1898, **74**, **2**, 339-340, 410; *Chem. News*, 1898, **77**, 97-98; *Monit. Sci. Quesneville*, 1898, [4], **12**, **1**, 228-229; *S. of M. Quar.*, 1898, **19**, 432-433; *Analyst*, 1898, **23**, 164; *Chem. Ztg.*, 1898, **22**, **1**, 105; *J. Soc. Chem. Ind.*, 1898, 265; *Jahrbuch Chem.*, 1898, **8**, 82; *Chem. Centrbl.*, 1898, **69**, **1**, 529-530; *Rep. tech. jour.-lit.*, 1898, **20**, 102, 704.
- 1898: 585. WYROUBOFF and VERNEUIL. Sur la séparation du thorium et des terres de la cécrite.
Bull. soc. chim. Paris, 1898, [3], **19**, 219-227; *Chem. News*, 1898, **77**, 245-246, 254-255; *S. of M. Quar.*, 1899, **20**, 307-308; *Chem. Centrbl.*, 1898, **69**, **1**, 905; *Rep. tech. jour.-lit.*, 1898, **20**, 102, 704.
- 1898: 586. WYROUBOFF and VERNEUIL. Sur l'extraction industrielle de la thorine.
C. R., 1898, **127**, 412-414; *J. Soc. Chem. Ind.*, 1898, 1068; *J. Chem. Soc. Lond.*, 1899, **76**, **2**, 105; *Chem. News*, 1898, **78**, 303; *Chem. Ztg.*, 1898, **22**, **2**, 808-809, 1049; *Revue Sci.*, 1898, [4], **10**, 472; *Monit. Sci. Quesneville*, 1898, [4], **12**, **2**, 837; *Progressive Age*, 1899, **17**, 57; *Chem. Centrbl.*, 1898, **69**, **11**, 833; *Rep. tech. jour.-lit.*, 1898, **20**, 704.
- 1898: 587. POSSETTO. (Qualitative separation of metals of the rare earth groups.)
Giorn. Farm. Chim. Turin., **48**, 49-54; *Giorn. di Farm. di Trieste*, 1898, **3**, 70; *Chem. Ztg. Rep.*, 1898, 135-136; *Analyst*, 1898, **23**, 246-247; *J. Soc. Chem. Ind.*, 1898, 490; *Jahrbuch Chem.*, 1898, **8**, 61; *Chem. Centrbl.*, 1898, **69**, **1**, 634-635.
- 1898: 588. TRUCHOT. Les Gisements et l'Extraction de la Thorite, de la Monazite et du Zircon.
Revue Gen. Sci., 1898, 144-149; *Chem News*, 1898, **77**, 134-135, 145-147; *J. Chem. Soc. Lond.*, 1898, **74**, **2**, 437-438; *J. Gas L.*, 1898, **72**, **2**, 745; *Ztschr. anorgan. Chem.*, 1899, **19**, 369; *Rep. tech. jour.-lit.*, 1898, **20**, 704.
- 1898: 589. HINTZ and WEBER. Ueber die Untersuchung der Glühkörper des Handels.
Ztschr. anal. chem., 1898, **37**, 94-111; *J. Soc. Chem. Ind.*, 1898, 337, 378; *Analyst*, 1899, **24**, 20-22; *S. of M. Quar.*, 1898, **19**, 431, 432; *Chem. News*, 1898, **77**, 249; 1899, **79**, 25-26; *J. Chem. Soc. Lond.*, 1898, **74**, **2**, 339, 353; *Monit. Sci. Quesneville*, 1898, [4], **12**, **2**.

- 869-870; Wagner's Jsb., 1898, **44**, 426; Ztschr. angew. Chem., 1898, 1021; Chem. Centrbl., 1898, **69**, **I**, 796-797; Fortschr. Phys., 1898, **54**, **I**, 189-190; Rep. tech. jour.-lit., 1898, **20**, 43.
- 1898: 590. MUTHMAN and ROLIG. Über Trennung der Ceritmetalle und die Löslichkeit ihrer Sulfate in Wasser.
Ber., 1898, **31**, 1718-1731; Bull. soc. chim. Paris, 1899, [**3**], **22**, 40-41; J. Chem. Soc. Lond., 1898, **74**, **2**, 518; J. Soc. Chem. Ind., 1898, 789-790; S. of M. Quar., 1899, **21**, 77-78; Ztschr. anorgan. Chem., 1899, **20**, 161-162; Jahrbuch Chem., 1898, **8**, 80-81; Beibl. Ann. der Phys., 1898, 825-826; Chem. Centrbl., 1898, **69**, **II**, 408-409; Rep. tech. jour.-lit., 1898, **20**, 658.
- 1898: 591. BOUDOUARD. Sur les sables monazites de la Caroline du Nord.
Bull. soc. chim. Paris, 1898, [**3**], **19**, 10-13; J. Soc. Chem. Ind., 1898, 265; Chem. Centrbl., 1898, **69**, **I**, 435; Rep. tech. jour.-lit., 1898, **20**, 658.
- 1898: 592. RICHARDS. A table of atomic weights.
Proc. Am. Acad. Arts and Sci., 1898, **33**, 293-302, 511, 515; Am. Chem. J., 1898, **20**, 543-554; J. Chem. Soc. Lond., 1898, **74**, **2**, 566-567; Ztschr. anorgan. Chem., 1899, **19**, 312; 1899, **20**, 379; J. Am. Chem. Soc., 1898, **20**, in Review of Am. Chem. Research, 1898, **4**, 119; Beibl. Ann. der Phys., 1898, 723; Ztschr. physikal. Chem. 1899, **29**, 365-366; Chem. News, 1898, **78**, 182-183, 193-195; Fortschr. Phys., 1898, **54**, 144; Chem. Centrbl., 1898, **69**, **II**, 530-531; Rep. tech. jour.-lit., 1898, **20**, 103.
- 1898: 593. MUTHMANN. Über die Werthigkeit der Ceritmetalle.
Ber., 1898, **31**, 1829-1836; J. Chem. Soc. Lond., 1898, **74**, **2**, 586-587; Ztschr. anorgan. Chem., 1899, **20**, 161; Beibl. Ann. der Phys., 1898, 814; Bull. soc. chim. Paris, 1899, [**3**], **22**, 84; Jahrbuch Chem., 1898, **8**, 80; Chem. Centrbl., 1898, **69**, **II**, 531; Rep. tech. jour.-lit., 1898, **20**, 658.
- 1898: 594. MUTHMANN and ROLIG. Über die Löslichkeit des Schwefelsauren Ceroxyduls in Wasser.
Ztschr. anorgan. Chem., 1898, **16**, 450-462; Beibl. Ann. der Phys., 1898, 380; Chem. Centrbl., 1898, **69**, **I**, 1265-1266; Jahrbuch Chem., 1898, **8**, 81; Rep. tech. jour.-lit., 1898, **20**, 102.
- 1898: 595. CROOKES. Address by Sir William Crookes, F. R. S., V. P. C. S.
Brit. Assoc. Adv. Science, 1898, 3-38; Chem. News, 1898, **78**, 125-136; Nature, 1898, **58**, 438-448; Jahrb. Erfind., 1899, **35**, 201; Beibl. Ann. der Phys., 1898, **22**, 813; 1898, **22**, 133 Lit. Uebers.
- 1898: 596. SCHMIDT. Ueber die Beziehung zwischen Fluorescenz und Actinoelectricität.
Ann. der Phys. Wied., 1898, **64**, 708, 724; J. Phys., 1898, **7**, 490-491.

- 1898: 597. DROSSBACH. Zur Theorie des Gasglühlichts.
 J. Gasbel, 1898, **41**, 352-353; Chem. News, 1899, **79**, 72; Chem. Ztg. Rep., 1898, **22**, 162-163; Beibl. Ann. der Phys., 1898, 771; Monit. Sci. Quesneville, 1899, [**4**], **13**, **1**, 49; J. Soc. Chem. Ind., 1898, 745; J. Gas L., 1898, **71**, 1570; Fortschr. Phys., 1898, **54**¹, 190-191; Chem. Centrbl., 1898, **69**, **2**, 163-164; Rep. tech. jour.-lit., 1898, **20**, 43.
- 1898: 598. NORE. Neue elektrische Glühlampen von Nernst und Auer.
 J. Gasbel., 1898, **41**, 237-238; Elektrotechn. Ztschr., 1898, **19**, 272-273; Beibl. Ann. der Phys., 1898, 360-361; J. Soc. Chem. Ind., 1898, 1031; Monit. Sci. Quesneville, 1899, [**4**], **13**, **2**, 513-514; Tidsskrift för Fysik og Kemi, 1898, 207-208; Rep. tech. jour.-lit., 1898, **20**, 54.
- 1898: 599. HINTZ. Über die Untersuchung der Glühkörper des Handels.
 Ztschr. anal. Chem., 1898, **37**, 504-524; Bull. soc chim. Paris, 1898, [**3**], **22**, 43-44; J. Chem. Soc. Lond., 1898, **74**, **2**, 587; Chem. News, 1898, **77**, 249; 1899, **79**, 41; J. Soc. Chem. Ind., 1898, 906-907; Ztschr. angew. Chem., 1898, 1021; Monit. Sci. Quesneville, 1899, [**4**], **13**, **1**, 47-48; Fortschr. Phys., 1898, **54**¹, 189-190; Am. Gas Light J., 1899, **70**, 188-189; Wagner's Jsb., 1898, **44**, 426; Chem. Centrbl., 1898, **69**, **II**, 875-876; Rep. tech. jour. lit., 1898, **20**, 43.
- 1898: 600. Le CHATELIER and BOUDOUARD. Sur la radiation des manchons à incandescence.
 C. R., 1898, **126**, **2**, 1861-1864; J. Soc. Chem. Ind., 1898, 1129-1130; Résnmés des Communications, Société Française de Physique, 1898, 59-60; J. Gasbel., 1898, **41**, 733-734; Beibl. Ann. der Phys., 1898, 771-772; Monit. Sci. Quesneville, 1898, [**4**], **12**, **2**, 605; Bulletin d'enc., 1898, **97**, 879-881; La Nature, 1898, **26**, **2**, 135; Ztschr. physikal. Chem., 1899, **28**, 566; Fortschr. Phys., 1898, **54**¹, 76-77; 1899, **55**¹, 227; Science Abstracts, 1899, **2**, 15; Rep. tech. jour.-lit., 1898, **20**, 42.
- 1898: 601. MOBERG. Sur kenntniss des Steenstrupins.
 Ztschr. Kryst., 1897-1898, **29**, 386-398; J. Chem. Soc. Lond., 1898, **74**, **2**, 296-297; S. of M. Quar., 1899, **20**, 206; Fortschr. Phys., 1898, **54**¹, 299-300; Dana's Min., 1899, 6th ed., Appendix I, p. 64; Jahrb. Min., 1900, **92**, **2**, 27-29; Chem. Centrbl., 1900, **71**, **II**, 208-209.
- 1898: 602. BRAUNER. Contributions to the Chemistry of Thorium. Comparative research on the oxalates of the rare earths.
 Chem. Soc. Lond. Proc., 1897-1898, No. **191**, 67-68; J. Chem. Soc. Lond., 1898, **73**, 951-985; J. Gasbel., 1898, **41**, 387; 1899, **42**, 660; Bull. soc chim. Paris, 1899 [**3**], **22**, 488-489; Ztschr. anorgan. Chem., 1899, **20**, 388; J. Soc. Chem. Ind., 1898, 372; Chem. Centrbl., 1898, **69**, **I**, 918; 1899, **70**, **I**, 408, 822-823.

- 1898: 603. VOGT. Ueber die relative Verbreitung der Elemente, besonders der Schwermetalle und über die Concentration des ursprünglich fein vertheilten Metallgehaltes zu Erzlagerstätten.
Z. prakt. Geol., 1898, **6**, 225-238, 314-327, 377-392, 413-420; 1899, 10-16; Jahrb. Min., 1900, **92**, **2**, 239-247.
- 1898: 604. VOELKER. Glühkörper.
J. Gasbel., 1899, **42**, 695-696.
- 1898: 605. GLASER. Versuche über die Zusammensetzung eines sauren Thorium oxalat.
Ztschr. anal. Chem., 1898, **37**, 25-28; J. Chem. Soc. Lond., 1898, **74**, **2**, 260-261; Bull. soc. chim. Paris, 1898, [**3**], **20**, 453-454; Chem. Centrbl., 1898, **69**, **1**, 770; Rep. tech. jour.-lit., 1898, **20**, 704.
- 1898: 606. SCHMIDT. Ueber die vom Thorium und den Thorverbindungen ausgehende Strahlung.
Verhandl. Phys. Ges. Berlin, 1898, **17**, 14-16; Ztschr. physikal. chem. unterricht, 1898, **11**, 239-241; Ann. der Phys. Wied., 1898, **65**, **1**, 141-151; J. Phys., 1898, [**3**], **7**, 549; J. Gasbel., 1899, **42**, 399; J. Chem. Soc. Lond., 1898, **74**, **2**, 550; Chem. News, 1898, **78**, 11; Nature, 1898, **58**, 47; Fortschr. Phys., 1898, **54**², 82; Eder's Jahrb. Phot., 1899, **13**, 105-106; Chem. Ztg. Rep., 1899, **23**, 220; Jahrb. Erfind., 1899, **35**, 202-203; Chem. Ztg., 1898, **22**, 12; Naturw. Rundschau, 1898, **13**, 239; Science Abstracts, 1898, **1**, 645; Rep. tech. jour.-lit., 1898, **20**, 211, 704.
- 1898: 607. SCHMIDT. Sur les radiations émises par le thorium et ses composés.
C. R., 1898, **126**, 1264; Fortschr. Phys., 1898, **54**¹, 85; Science Abstracts, 1898, **1**, 645.
- 1898: 608. BUNTE. Bemerkungen.
J. Gasbel., 1898, **41**, 353.
- 1898: 609. MATTHEWS. I. Derivatives of the Tetrachlorides of Zirconium, Thorium, and Lead.
J. Am. Chem. Soc., 1898, **20**, 815-839; 1899, **21**, in Review of Am. Chem. Research, 1899, **5**, 4; J. Chem. Soc. Lond., 1899, **76**, **2**, 295-296; J. Soc. Chem. Ind., 1899, 64; Chem. News, 1899, **79**, 6-7, 15-17, 32-33, 43-44; Jahrbuch Chem., 1898, **8**, 81-82; Chem. Centrbl., 1899, **70**, **1**, 15; Rep. tech. jour.-lit., 1898, **20**, 704-795; 1899, **21**, 84, 754, 840.
- 1898: 610. MATTHEWS. II. Derivatives of the Tetrabromides of Zirconium and Thorium.
J. Am. Chem. Soc., 1898, **20**, 839-843; 1899, **21**, in Review of Am. Chem. Research, 1899, **5**, 4; J. Chem. Soc. Lond., 1899, **76**, **2**, 296; J. Soc. Chem. Ind., 1899, 64; Chem. News, 1899, **79**, 89-90; Jahrbuch Chem., 1898, **8**, 81-82; Chem. Centrbl., 1899, **70**, **1**, 15; Rep. tech. jour.-lit., 1898, **20**, 704, 795; 1899, **21**, 754, 840.

- 1898: 611. MATTHEWS. III. The preparation of Zirconium Nitrides.
 J. Am. Chem. Soc., 1898, **20**, 843-846; 1899, **21**, in Review of Am. Chem. Research, 1899, **5**, 28; J. Chem. Soc. Lond., 1899, **76**, **2**, 296-297; J. Soc. Chem. Ind., 1899, 64; Jahrbuch Chem., 1898, **8**, 81-82; Chem. Centrbl., 1899, **70**, **I**, 15-16; Rep. tech. jour.-lit., 1898, **20**, 795.
- 1898: 612. MATTHEWS. IV. On the separation of Iron from Zirconium and certain other allied metals.
 J. Am. Chem. Soc., 1898, **20**, 846-858; 1899, **21**, in Review of Am. Chem. Research, 1899, **5**, 10; J. Chem. Soc. Lond., 1899, **76**, **2**, 335; J. Soc. Chem. Ind., 1899, 68, 75; Chem. News, 1899, **79**, 97-99, 112-114; Bull. soc. chim. Paris, 1899, [**3**], **22**, 442; S. of M. Quar., 1899, **20**, 301, 402; Chem. Centrbl., 1899, **70**, **I**, 63; Rep. tech. jour.-lit., 1898, **20**, 795.
- 1898: 613. CURIE. Rayons émis par les composés de l'uranium et du thorium.
 C. R., 1898, **126**, **2**, 1101-1103; J. Chem. Soc. Lond., 1900, **78**, **2**, 81-82; Chem. News, 1898, **77**, 249; Monit. Sci. Quesneville, 1898, [**4**], **12**, **2**, 446-447; Ztschr. physikal. Chem., 1899, **28**, 568; Chem. Ztg., 1898, **22**, 327; Jahrb. Erfind., 1899, **35**, 201; Beibl. Ann. der Phys., 1898, **22**, 806; Science Abstracts, 1898, **I**, 645; Rep. tech. jour.-lit., 1898, **20**, 704, 722.
- 1898: 614. FLORENCE. Darstellung mikroskopischer Krystalle in Löhrohr-perlen.
 Jahrb. Min., 1898, **2**, 102-146 + 5 Tafeln und 12 Text-figuren; Ztschr. Kryst., 1900, **33**, 180-182; Pharm. Centralh., 1898, **40**, 674; Chem. Centrbl., 1898, **69**, **II**, 1063; Rep. tech. jour.-lit., 1899, **21**, 550.
- 1898: 615. KOENIGSBERGER. Magnetische Suszeptibilität von Flüssigkeiten und festen Körpern.
 Ann. der Phys. Wied., 1898, **66**, 698-734; Ztschr. Kryst., 1900, **33**, 111-112; Science Abstracts, 1899, **2**, 128.
- 1898: 616. P. CURIE and Mme. S. CURIE. Sur une substance nouvelle radio-active, contenue dans la pechblende.
 C. R., 1898, **127**, 175-178; J. Chem. Soc. Lond., 1900, **78**, **2**, 82; Ztschr. angew. Chem., 1898, 907; Chem. News, 1898, **78**, 49; Am. J. Sci., 1899, [**4**], **8**, 159-160; J. Frankl. Inst., 1898, **146**, 475; Revue Gen. Sci., 1899, **10**, 368; Cosmos, 1899, [**4**], **41**, 568; Naturw. Rundschau., 1898, **13**, 491-492; 1899, **14**, 91-92; Ztschr. physikal. chem. unterricht., 1899, **12**, 295; Jahrb. Erfind., 1899, **35**, 201; Fortschr. Phys., 1898, **54**², 79-80; Chem. Centrbl., 1898, **69**, **II**, 572-573; Science Abstracts, 1899, **2**, 13.
- 1898: 617. NOTE. Welsbach's new electric incandescent lamps.
 J. Frankl. Inst., 1898, **146**, 237-239.

- 1898: 618. ELSTER and GEITEL. Versuche an Becquerelstrahlen.
Ann. der Phys. Wied., 1898, **66**, 735-740; Ztschr. physikal. chem. unterricht., 1899, **12**, 296-297; Naturw. Rundschau., 1899, **14**, 96; Jahrb. Erfind., 1898, **35**, 201-202; Fortschr. Phys., 1898, **54**², 80-81; Chem. Centrbl., 1899, **70**, **I**, 4-5; Science Abstracts, 1899, **2**, 101.
- 1898: 619. WYROUBOFF and VERNEUIL. Sur les oxydes condensés des terres rares.
C. R., 1898, **127**, 863-866; J. Chem. Soc. Lond., 1899, **76**, **2**, 224-225; J. Soc. Chem. Ind., 1899, **18**, 64; J. de pharm., 1899, [6], **9**, 37; Monit. Sci. Quesneville, 1899, [4], **13**, **1**, 75; Ztschr. anorgan. Chem., 1899, **20**, 390; Chem. Ztg., 1898, **22**, 1049; Jahrbuch Chem., 1898, **8**, 80; Chem. Centrbl., 1899, **70**, **I**, 14-15; Rep. tech. jour.-lit., 1898, **20**, 658.
- 1898: 620. AUER VON WELSBACH. Der Herstellung von Glühkörpern.
Elektrotechnischer Anzeiger, 1898, 845; Dingl. Pol. J., 1899, **311**, 94-95.
- 1898: 621. CURIE, CURIE, and BÉMONT. Sur une nouvelle substance fortement radio-active, contenue dans la pechblende.
C. R., 1898, **127**, 1215-1217; Monit. Sci. Quesneville, 1899, [4], **13**, **1**, 157; J. Chem. Soc. Lond., 1900, **78**, **2**, 82-83; Revue Gen. Sci., 1899, **10**, 333, 368; Chem. News, 1899, **79**, 1-2; Ztschr. physikal. chem. unterricht., 1899, **12**, 295; Scientific American, 1899, **80**, 60; J. de pharm., 1899, [6], **9**, 180-182; Berg. u. H. Ztg., 1899, **58**, n. s. **53**, 341; Chem. Ztg., 1899, **23**, 24; Am. J. Sci., 1899, [4], **8**, 159-160; Jahrb. Erfind., 1900, **36**, 204-206; Naturw. Rundschau., 1899, **14**, 91-92; Nature, 1898-1899, **59**, 232; Beibl. Ann. der Phys., 1899, **23**, 195; Fortschr. Phys., 1898, **54**², 80; Chem. Centrbl., 1900, **71**, **I**, 3-4; Science Abstracts, 1899, **2**, 280; Rep. tech. jour.-lit., 1898, **20**, 112; 1898, **21**, 216.
- 1898: 622. CLARKE. Sixth Annual Report of the Committee on Atomic Weights. Results published during 1898.
J. Am. Chem. Soc., 1899, **21**, 200-214; 1899, **21**, in Review of Am. Chem. Research, 1899, **5**, 44; Chem. News, 1899, **79**, 195-198, 206-208; Ztschr. physikal. Chem., 1901, **36**, 120-121; Beibl. Ann. der Phys., 1899, **23**, 315-316; Fortschr. Phys., 1899, **55**¹, 127-131; Rep. tech. jour.-lit., 1899, **21**, 116.
- 1898: 623. LANDOLT, OSTWALD, SEUBERT. Bericht der Kommission für die Festsetzung der Atomgewichte.
Ber., 1898, **31**, 2761-2768; J. Chem. Soc. Lond., 1899, **76**, **2**, 86-87; Chem. News., 1899, **79**, 207-208; Am. Chem. J., 1899, **21**, 455-457; J. Am. Chem. Soc., 1899, **21**, 200-214; Ztschr. anal. Chem., 1899, **38**, 138-140; Ztschr. angew. Chem., 1898, 1148; 1899, 57-60; Jahrbuch Chem. 1898, **8**, 65-66; J. Gasbel., 1899, **42**, 80-81; Science, 1899, **9**, 23-24; Ztschr. anorgan. Chem., 1899, **20**, 142; Revue Sci., 1899, [4], **11**, 151; Chem. Ztg., 1898, **22**, 43, 1031; Analyst, 1899, **24**, 82-83; Wagner's Jsb., 1898, **44**, 437-439; Fortschr. Phys., 1898, **54**¹, 144-146; Chem. Centrbl., 1899, **70**, **I**, 1-2; Beibl. Ann. der Phys., 1899, **23**, 69-71; Rep. tech. jour.-lit., 1898, **20**, 102.

- 1898 : 624. NOTE. Thorium nitrate.
 Chemist and Druggist, 1899, 352; Chem. News, 1899, **79**, 192; J. Soc. Chem. Ind., 1899, 195.
- 1898 : 625. GIBSON. The Welsbach incandescent electric lamp.
 El. Rev. London, 1898, **42**, 504-505; Monit. Sci. Quesneville, 1899, [4], **13**, **1**, 43-45; Science Abstracts, 1898, **1**, 465.
- 1898 : 626. MOUL. The Welsbach incandescent electric lamp.
 El. Rev. London, 1898, **42**, 541; Monit. Sci. Quesneville, 1899, [4], **13**, **1**, 45.
- 1898 : 627. HIDDEN and PRATT. On the associated minerals of Rhodolite.
 Am. J. Sci., 1898, [4], **6**, 463-468; J. Am. Chem. Soc., 1899, **21**, in Review of Am. Chem. Research, 1899, **5**, 38; Ztschr. Kryst., 1899-1900, **32**, 599-600; Jahrb. Min., 1900, **91**, **1**, 187-188; Bull. U. S. Geol. Survey, 1899, **162**, 49; Chem. Centrbl., 1899, **70**, **I**, 221.
- 1898 : 628. EDITORIAL COMMENT. LE CHATELIER and BOUDOARD. "Sur le rendement lumineux des oxydes rares incandescents."
 L'Éclairage Électrique, 1898, **16**, 219-220; Rep. tech. jour.-lit., 1898, **20**, 56.
- 1898 : 629. LAMOTTE. Le fonctionnement du manchon Auer.
 Résumés des Communications, Société Française de Physique, 1898, 27-28.
- 1898 : 630. NOTE. Le fonctionnement du manchon Auer.
 La Nature, 1898, **51**, 94.
- 1898 : 631. C. E. G. La source des rayons uraniques.
 La Nature, 1898, **51**, 154.
- 1898 : 632. BARY. Un nouvel élément. Le "Polonium."
 La Nature, 1898, **51**, 166-167.
- 1898 : 633. TRUCHÔT. "Les terres rares." Paris, 1898, pp. 318 (Carre et Naud).
 Bull. soc. chim. Paris, 1898, [3], **19**, 946; Wagner's Jsb., 1899, **45**, 485; J. Gasbel., 1898, **41**, 820; 1899, **42**, 567; J. Soc. Chem. Ind., 1898, 1196.
- 1898 : 634. WYROUBOFF. L'incandescence des manchons Auer.
 Résumés des communications, Société Française de Physique, 1898, 38-39.
- 1898 : 635. CROOKES. On the Position of Helium, Argon, and Krypton in the Scheme of Elements.
 Roy. Soc. Lond. Proc., 1898, **63**, 373, 408-411; Am. J. Sci., 1898, [4], **6**, 189-192; J. Phys., 1900, [3], **9**, 290-291; Ztschr. anorgan. Chem., 1898, **18**, 72-76; Ztschr. physikal. Chem., 1901, **36**, 626; Beibl. Ann. der Phys., 1898, **22**, 722-723; 1898, **22**, 110, 113 Lit. Uebers. : Chem. Centrbl., 1898, **69**, **II**, 107, 1004; Science Abstracts, 1898, **1**, 719.

- 1898: 636. WINKLER. Die relative seltenheit der Elemente mit Bezug auf deren technische Verwendung.
Sächsischer Thüringischer Bezirksverein, Dec. 11, 1898; Ztschr. angew. Chem., 1899, 93-98; Rep. tech, jour.-lit., 1899, **21**, 116.
- 1898: 637. LE CHATELIER and CHAPUY. Sur les colorations des émaux de grand feu de porcelaine.
C. R., 1898, **127**, 433-436; J. Soc. Chem. Ind., 1898, 1048; Chem. Centrbl., 1898, **69**, **II**, 1145.
- 1898: 638. ROELIG. Beiträge zur kenntnis der seltenen erden des Cerits.
Inaugural Dissertation, Kgl. Bayer, Ludwig-Maximilians-Universität zu München, 1898.
- 1898: 639. ———. United States Mineral Production in 1897.
Eng. and Min. Jour., 1898, **65**, 635-638; J. Soc. Chem. Ind., 1898, 622-623.
- 1898: 640. ———. Die Röntgenstrahlen in Beziehung auf Mineralogie und Krystallographie.
Ztschr. Kryst., 1898, **30**, 610-618.
- 1898: 641. MATTHEWS. Review and Bibliography of the Metallic Carbides.
Smithsonian Misc. Coll., 1090, 1898, **38**, 1-32; J. Am. Chem. Soc., 1899, **21**, in Review of Am. Chem. Research, 1899, **5**, 4; Chem. Centrbl., 1898, **69**, **II**, 835.
- 1898: 642. ———. Die Glühlampe von Prof. Nernst.
El. Rundschau, 1898, **15**, 123-124; Fortschr. Phys., 1899, **55**¹, 228.
- 1898: 643. BAYLEY. Atomic volume as a periodic function.
J. Am. Chem. Soc., 1898, **20**, 935-948; 1899, **21**, in Review of Am. Chem. Research, 1899, **5**, 9; Ztschr. anorgan. Chem., 1900, **23**, 229; Ztschr. physikal. Chem., 1901, **36**, 117; Fortschr. Phys., 1899, **55**¹, 139-140; Chem. Centrbl., 1899, **70**, **I**, 403.
- 1898: 644. HEIGHWAY. Monazite production in North Carolina.
Eng. and Min. Jour., 1898, **66**, 543.
- 1898: 645. BRAUNER. Zur Trennung der Thorerde von den übrigen seltenen erden.
Ztschr. angew. Chem., 1898, 1056-1057; J. Soc. Chem. Ind., 1899, 75; D. R. P., 97689; Patent Blatt., 1898, **19**, 440; Chem. Centrbl., 1898, **69**, **II**, 653-654.
- 1898: 646. SCHEURER and BRYLINSKI. Teinture des matières colorantes sur 19 mordants métalliques. Résistance de ces teintures au soleil.
Bull. Soc. Ind. Mulhouse, 1898, **68**, 124-130; et Résumés des séances et procès verbaux, 30, 31, 35-36; J. Soc. Chem. Ind., 1898, 757-758; Monit. Sci. Quesneville, 1898, [**4**], **12**, **2**, 673-680.

- 1898: 647. SCHEURER and BRYLINSKI. Teinture des colorants immédiats sur 20 mordants métalliques.
Bull. Soc. Ind. Mulhouse, 1898, **68**, 131-147; et Résumés des séances et procès verbaux, 47, 51, 52; J. Soc. Chem. Ind., 1898, 758.
- 1898: 648. SCHEURER and BRYLINSKI (reference to paper in 1897).
Bull. Soc. Ind. Mulhouse, 1898, **68**; Résumés des séances et procès verbaux, 35-36, 85, 86-87; Programme des Prix proposés par la Société Industrielle de Mulhouse dans sons assemblée générale du 25 mai 1898 à décerner en 1899. Arts chimiques, Travaux théoriques; Art. 13, page 8; Art. 17, page 9; Art. 23, page 10; Art. 30, pages 11-12.
- 1898: 649. GANDOURINE. Mordants pour la laine. Essai de 44 éléments.
Bull. Soc. Ind. Mulhouse, 1898, **68**, 326-341; et Résumés des séances et procès verbaux, 118, 120; J. Soc. Chem. Ind. 1899, 268-269; Monit. Sci. Quesneville, 1899, [**4**], **13**, **1**, 448-456.
- 1898: 650. NOTE. Duty on incandescent mantles.
"German Customs List," J. Soc. Chem. Ind., 1898, 703.
- 1898: 651. J. R. Filaments de lamps à incandescence du Dr. Auer von Welsbach.
L'Éclairage Électrique, 1898, **15**, 190-192; Science Abstracts, 1898, **1**, 465.
- 1898: 652. RAMSAY. L'Helium.
Ann. chim. phys., 1898, [**7**], **13**, 433-480; Chem. Centrbl., 1898, **69**, **I**, 1014.
- 1898: 653. DE PERRODIL. Le Carbone de Calcium et l'Acetylene; Les Fours Électriques (a translation). Paris, 1897.
Progressive Age, 1898, **16**, 584; 1899, **17**, 15-16, 33-34, 55, 72-73, 91-92, 110-111, 148.
- 1898: 654. NOTE. Thoriumsälze.
J. Gasbel., 1898, **41**, 421.
- 1898: 655. FORSLING. Om absorptionsspektra hos Erbium, Holmium och Thulium.
Bihang till Kongl. Sv. Vet. Akad. Handl., 1898-1899, **24**, Afd. **I**, No. **7**, 1-35; Beibl. Ann. der Phys., 1900, **24**, 477-478.
- 1898: 656. HONIG. Neue elektrische Glühlampen von Nerst and Auer.
Mitth. Kais. Königl. Tech. Gew.-Mus. in Wien, 1898, **8**, 245-248; Rep. tech. jour.-lit., 1898, **20**, 54.
- 1898: 657. NOTE. Incandescence de l'Osmium.
J. pharm., 1898, [**6**], **8**, 266.
- 1898: 658. NOTE. Elektrisches Auer-Glühlieht.
Neue Freie Presse, Wien, 1898; J. Gasbel., 1898, **41**, 120.

- 1898 : 659. NOTE. A Welsbach Electric Light.
J. Gas L., 1898, **71**, 397.
- 1898 : 660. EDITORIAL. The Welsbach Electric Light.
J. Gas L., 1898, **71**, 879; Ztschr. Elect., 1898, **16**, 379; Rep. tech. jour.-lit., 1898, **20**, 54.
- 1898 : 661. SALOMONS. The Welsbach Electric Light.
Het Gas, Rotterdam, 1898; J. Gas L., 1898, **71**, 1064.
- 1898 : 662. NOTE. Neues elektrisches Glühlicht von Auer. Leuchtfaden aus Osmium, resp. Osmium mit einem ueberzuge aus Thoroxyd.
Uhland's W. T., 1898, **2**, 42; Der Metallarbeiter, 1898, **24**, **1**, 363-365; Ztschr. Beleucht., 1898, **4**, 127-128; Wieck's Deutsche Gewerbezeitung, Stuttgart, 1898, **63**, 204; Wagner's Jsb., 1899, **30**, 100; Rep. tech. jour.-lit., 1898, **20**, 54.
- 1898 : 663. NOTE. Gasglühlicht-Processe.
J. Gasbel., 1898, **41**, 562-565, 578-582.
- 1898 : 664. NOTE. Gasglühlicht-Processe.
J. Gasbel., 1898, **41**, 798-800, 816-818.
- 1898 : 665. NOTE. Atomgewichte der Elemente für praktisch-analytische Rechnungen.
Chem. Ztg., 1898, **22**, 1031.
- 1898 : 666. HINTZ. Method for analysis of incandescent mantles.
The Mineral Industry, New York, 1898, **7**, 520-521; Progressive Age, 1899, **17**, 419.
- 1898 : 667. NAUMANN. Welche Grundlage ist für die atomgewichtszahlen zu wählen, O = 16 oder H = 1?
Chem. Ztg., 1898, **22**, 347-349; Jahrbuch Chem., 1898, **8**, 66.
- 1898 : 668. BUNTE. (Light emissive power of the rare oxides.)
Société Française de Physique, Bulletin, 1898, 114, p. 2; Electrical World and Engineer, N. Y., 1899, **33**, 515; Science Abstracts, 1899, **2**, 94.
- 1899 : 669. BUNTE. The Rare Oxides and Incandescent Lamp. (A note by the editor.)
Electrical World and Engineer, N. Y., 1899, **33**, 495-496.
- 1899 : 670. ———. Electrolytic lamp and filaments. Patent to Welsbach. May 19, 1899.
Electrical World and Engineer, N. Y., 1899, **33**, 829; Chem. Ztg. Rep., 1899, **23**, 240.
- 1899 : 671. ———. A New Edison Lamp. Patent June 6, 1899.
Electrical World and Engineer, N. Y., 1899, **33**, 848; Chem. Ztg. Rep., 1899, **23**, 240.

- 1899: 672. ———. Glühfäden aus seltenen Erden für elektrische Glühlampen.
 Elektrotechn. Ztschr., 1899, **20**, 533; J. Gasbel., 1899, **42**, 535.
- 1899: 673. SWINBURNE. Nernst's electric light.
 J. Soc. Arts, 1898-1899, **47**, 253-260; Am. Gas Light J., 1899, **70**, 650-651; J. Gas L., 1899, **73**, 361, 372-373; The Electrician, London, 1899, **42**, 545-546; Engineering, 1899, **67**, 183; J. Gasbel., 1899, **42**, 157-160, 177-178; Chem. Ztg., 1899, **23**, 141; Wagner's Jsb., 1899, **30**, 99; Z. Calciumcarb., 1899, **3**, 2-4; Der Metallarbeiter, 1899, **25**, **2**, 423-424; Industries and Iron, London, 1899, **26**, 125-127, 147-148; Electrical World and Engineer, N. Y., 1899, **33**, 234-235; Schw. Bauzeitung, 1899, **33**, 91, 134-135; El. Rundsch., 1899, **16**, 169-170; Sci. Amer. Suppl., 1899, **47**, 19396; J. of Phot. Suppl., 1899, **46**, 19-23; El. Eng., London, 1899, **23**, 178-180; El. Rev., London, 1899, **44**, 259-262; El. Eng., N. Y., 1899, **27**, 244-245; El. Rev., N. Y., 1899, **34**, 135, 152-154; Progressive Age, 1899, **17**, 115; Science Abstracts, 1899, **2**, 245; Rep. tech. jour.-lit., 1899, **21**, 601.
- 1899: 674. SWINBURNE. On Nernst Lamp.
 El. Rev., N. Y., 1899, **34**, 173.
- 1899: 675. NOTE. Die Elemente und ihre Verbindungen.
 Jahrb. Erfind., 1899, **35**, 225-242.
- 1899: 676. WIECHMANN. Atomic Weights.
 Science, 1899, **9**, 23-24; Science Abstracts, 1899, **2**, 370.
- 1899: 677. NOTE. Tabellarische Zusammenstellung der in der Analyse am meisten gebrauchten Coëfficienten auf Grund der neuen praktischen Atomgewichte.
 Chem. Ztg., 1899, **23**, 219-221.
- 1899: 678. MASON. A new step in electric lighting.
 U. S. Consular Reports, 1900, **62**, No. **232**, 64-66; Progressive Age, 1899, **17**, 562.
- 1899: 679. BUNTE and EITNER. Leuchtkraft und Lichtfarbe des Kugellichts.
 J. Gasbel., 1899, **42**, 832-834, 848-853.
- 1899: 680. NOTE. Helium.
 Jahrb. Erfind., 1899, **35**, 301-305.
- 1899: 681. ERDMANN. Zur Frage der Atomgewichtseinheit.
 Bezirksverein für Sachsen und Anhalt, March 19, 1899; Ztschr. angew. Chem., 1899, 648-655.
- 1899: 682. FRESSENIUS. Atomgewichte der Elemente.
 Ztschr. anal. Chem., 1899, 330-332.
- 1899: 683. HEIGHWAY. Monazite.
 The Mineral Industry, New York, 1899, **8**, 2, 8-9, 430; Progressive Age, 1899, **17**, 405; 1900, **18**, 301.

- 1899: 684. NOTE. Voelker mantle.
Progressive Age, 1899, **17**, 100-101.
- 1899: 685. NOTE. Concession to John Gordon of Monazite deposit, Brazil, with analyses.
Progressive Age, 1899, **17**, 151.
- 1899: 686. NOTE. (New mantle by New Incandescent Gas Light Company, with humorous translation of French patent.)
Gas World, March 11, 1899; Progressive Age, 1899, **17**, 151.
- 1899: 687. EDISON. New patent filament. June 6, 1899.
Progressive Age, 1899, **17**, 301.
- 1899: 688. FURNISS. Brazilian Export Tax on Monazite.
U. S. Consular Reports, 1899, **59**, No. **221**, 331-332; Progressive Age, 1899, **17**, 419.
- 1899: 689. NOTE. Discovery of Monazite Sand, Brazil, by Gorceix.
Progressive Age, 1899, **17**, 441.
- 1899: 690. (Composition of Mantles.)
Invention, 1899, Sept. 2; Progressive Age, 1899, **17**, 527.
- 1899: 691. ———. The Mineral Industry, New York, 1899 (review).
Progressive Age, 1900, **18**, 287.
- 1899: 692. LENHER. Rare Elements.
The Mineral Industry, New York, 1899, **8**, 495-506.
- 1899: 693. FURNISS. Monazite concession in Brazil.
U. S. Consular Reports, 1899, **60**, No. **224**, 143-145; Eng. and Min. Jour., 1899, **67**, 409; J. Soc. Chem. Ind., 1899, 413.
- 1899: 694. MERRILL. Guide to the Study of the Collections in the Section of Applied Geology.
Annual Report of the Smithsonian Institution for the year ending June 30, 1899. Report of the U. S. National Museum. Part II, pp. 155-483.
- 1899: 695. BINDER. Das Leuchten der Glühkörper.
Ztschr. f. Naturw., 1899, **71**, 435-441; Fortschr. Phys., 1899, **55**¹, 225-226.
- 1899: 696. HOWE. The place of the new constituents of the Atmosphere in the Periodic System.
Chem. News, 1899, **80**, 74-76; Fortschr. Phys., 1899, **55**¹, 137-138; Chem. Centrbl., 1899, **70**, **II**, 578; Science Abstracts, 1900, **3**, 82.
- 1899: 697. KILLING. Der weisse Beschlag an Rauchfängern und Cylindern der Gasglühlicht-Apparate und seine Beziehungen zum Glühkörper und Leuchtgas.
J. Gasbel., 1899, **42**, 841-843; J. Soc. Chem. Ind., 1900, **19**, 30; Progressive Age, 1900, **17**, 17.

- 1899: 698. KILLING. Ueber die automatische Zündung von Leuchtgas.
J. Gasbel, 1899, **42**, 293-296; J. Soc. Chem. Ind., 1899, 670; Wagner's
Jsb., 1899, **30**, 94.
- 1899: 699. HUGO KRÜSS. Ergänzung zum Verzeichniss der Veröffentlichungen von Gerhard Krüss.
Ztschr. anorgan. Chem., 1899, **19**, 327.
- 1899: 700. REMARKS by the Secretary. Leben und Wirken des Prof.
L. F. Nilson.
Chemische Gesellschaft zu Stockholm, Sitzung vom, Sept. 21, 1899;
Chem. Ztg., 1899, **23**, 804.
- 1899: 701. SCHÜLER. Ueber Glühkörper für elektrische Glühlampen
und ihre Entwicklung.
Ztschr. Beleucht., 1899, **5**, 115-117, 127-129, 140-141; Dingl. pol. J.,
1899, **311**, 15-16, 34-35, 62-64, 93-95, 158-162.
- 1899: 702. BRUNO. Experimentelle Untersuchungen über die Ein-
wirkung verschiedener Körper auf die Thor-Cer-Oxyde und über
Tempervverfahren zur Erzielung einer Regenerirungsfähigkeit des
Cers.
Ztschr. Beleucht., 1899, **5**, 244-246, 258-260, 268-269; Progressive Age,
1899, **17**, 410, 437-438; Rep. tech. jour.-lit., 1899, **21**, 47.
- 1899: 703. Chemische Fabrik für Beleuchtungswesen, G. m. b. H. in
Berlin. Verfahren zur Herstellung arsen-oder antimonhaltiger
Glühkörper.
Ztschr. Beleucht., 1899, **5**, 434; Rep. tech. jour.-lit., 1899, **21**, 47.
- 1899: 704. BECQUEREL. Note sur quelques propriétés du rayonne-
ment de l'uranium et des corps radio-actifs.
C. R. 1899, **128**, 771-777; J. Chem. Soc. Lond., 1899, **76**, **2**, 393-394;
Am. J. Sci., 1899, [**4**], **7**, 471-472; Cosmos, 1899, [**4**], **40**, 441; Ztschr.
physikal. chem. unterricht., 1899, **12**, 295-296; Le Moniteur de la
Photographie, 1899; Revue suisse de Phot., 1899, **11**, 340-348; J. of
Phot. Suppl., 1899, **46**, 42-43; La Nature, 1898-1899, **52**, 287; J.
Phys., 1900, [**3**], **9**, 597; Chem. Ztg., 1899, **23**, 318; Revue Gen.
Sci., 1899, **10**, 292; Jahrb. Erfind., 1900, **36**, 207-208; Fortschr.
Phys., 1899, **55**², 96-97; Science Abstracts, 1899, **2**, 445; Rep. tech.
jour.-lit., 1899, **21**, 216.
- 1899: 705. JOB. Dosage volumétrique du cérium. Application.
C. R., 1899, **128**, 101-102; Bull. soc. chim. Paris, 1899, (**3**), **21**, 350;
J. Chem. Soc. Lond., 1899, **76**, **2**, 334; J. Soc. Chem. Ind., 1899,
300; J. Gasbel., 1899, **42**, 351; Ztschr. anorgan. Chem., 1899, **20**,
275; Monit. Sci. Quesneville, 1899, [**4**] **13**, **1**, 227; Revue Gen. Sci.,
1899, **10**, 78; Revue Sci., 1899, [**4**], **11**, 83; Chem. News, 1899, **79**,
95; Chem. Centrbl., 1899, **70**, **1**, 453-454.
- 1899: 706. NOTICE. Zur Lage des Thoriummarktes.
Ztschr. angew. Chem., 1899, 73; J. Gasbel., 1899, **42**, 140.

- 1899: 707. NOTE. Les métaux précieux.
Mining and Scientific Press; *Revue Sci.*, 1899, [4], **11**, 86.
- 1899: 708. MEYER. Über die magnetischen Eigenschaften der Elemente.
Monatsh. Chem., 1899, **20**, 369-382; *Sitzungsber. Akad. d. Wien. math.-naturw. Cl.*, 1899, **108**, Abth. **IIa**, 171-184, and table; *Ann. der Phys. Wied.*, 1899, **68**, 325-334; *Ztschr. physikal. chem. unterricht.*, 1900, **13**, 173; *Ztschr. anorgan. Chem.*, 1899, **21**, 299; 1899, **22**, 308; *Ztschr. physikal. Chem.*, 1900, **32**, 186; *J. Chem. Soc. Lond.*, 1899, **76**, **2**, 587; *J. Phys.*, 1899, [3], **8**, 569; *Fortschr. Phys.*, 1899, **55**², 808; *Chem. Centrbl.*, 1899, **70**, **II**, 163, 740, 741; *Science Abstracts*, 1899, **2**, 685.
- 1899: 709. FRESSENIUS. Atomgewichte der Elemente (Clarke's table).
Ztschr. anal. Chem., 1899, 330-332.
- 1899: 710. CURIE and CURIE. Les rayons de Becquerel et les corps radio-actifs.
Résumés des Communications, Société Française de Physique, 1899, 22-23.
- 1899: 711. WYROUBOFF and VERNEUIL. Sur la constitution des oxydes des métaux rares.
C. R., 1899, **128**, 1573-1575; *Ztschr. anorgan. Chem.*, 1899, **21**, 396; *Revue Sci.*, 1899, [4], **12**, **2**, 52; *Revue Gen. Sci.*, 1899, **10**, 562; *J. Chem. Soc. Lond.*, 1899, **76**, **2**, 598; *Nature*, 1899, **60**, 240; *Monit. Sci. Quesneville*, 1899, [4], **13**, **2**, 617-618; *Chem. Ztg.*, 1899, **23**, 587; *Chem. News*, 1899, **80**, 47; *Chem. Centrbl.*, 1899, **70**, **II**, 333-334; *Rep. tech. jour.-lit.*, 1899, **21**, 711.
- 1899: 712. MEYER. Magnetisirungszahlen anorganischer Verbindungen.
Monatsh. Chem., 1899, **20**, 797-834; *Sitzungsber. Akad. d. Wiss. Wien. math.-naturw. Cl.*, 1899, **108**, Abth. **IIa**, 861-898; *Ann. der Phys. Wied.*, 1899, **69**, 236-263; *Ztschr. physikal. Chem.*, 1900, **32**, 409-410; *J. Chem. Soc. Lond.*, 1900, **78**, **2**, 7-8; *Ztschr. physikal. chem. unterricht.*, 1900, **13**, 173; *Ztschr. anorgan. Chem.*, 1900, **23**, 228; *J. Phys.*, 1900, [3], **9**, 39; *Fortschr. Phys.*, 1899, **55**², 808-809; *Beibl. Ann. der Phys.*, 1900, **24**, 15 *Lit. Uebers*; *Chem. Centrbl.*, 1900, **71**, **I**, 5-7.
- 1899: 713. CURIE. Les rayons de Becquerel et le Polonium.
Revue Gen. Sci., 1899, **10**, 41-50; *Beibl. Ann. der Phys.*, 1900, **24**, 324; *Chem. News*, 1899, **79**, 77-78; *Fortschr. Phys.*, 1899, **55**², 95; *Rep. tech. jour.-lit.*, 1899, **21**, 216.
- 1899: 714. NOTE. A new incandescent gas-mantle.
J. Gas L., 1899, **73**, 363-364; *Progressive Age*, 1899, **17**, 115.
- 1899: 715. LEWES. The Voelker Incandescent Gas-mantle.
J. Gas L., 1899, **73**, 510.

- 1899: 716. LEWES. Incandescent Mantles.
 J. Gas L., 1899, **73**, 1194, 1195-1200; Annual Report of the Smithsonian Institution, 1900, ending June 30, 1900, 387-401; Am. Gas Light J., 1899, **70**, 767-771; Sci. Amer. Suppl., 1899, **48**, 19711-19712; Progressive Age, 1899, **17**, 230-233; Rep. tech. jour.-lit., 1899, **21**, 47.
- 1899: 717. NOTE. Zur Frage der Atomgewichtseinheit.
 Ztschr. angew. Chem., 1899, 648-655.
- 1899: 718. JUDD and HIDDEN. On a new mode of occurrence of Ruby in North Carolina, with Crystallographic Notes by J. H. Pratt.
 Min. Mag., 1899, **12**, 139-149; Am. J. Sci., 1899, [**4**], **8**, 370-381; Bull. U. S. Geol. Survey, 1901, **172**, 49; Jahrb. Min., 1901, **93**, **1**, 187-189; Min. Mitth., 1901, **20**, 266 Lit. Notiz.; Fortschr. Phys., 1899, **55**, 270-271; Rep. tech. jour.-lit., 1899, **21**, 177.
- 1899: 719. HARDING. Thorium in Tennessee phosphates.
 Eng. and Min. Jour., 1899, **67**, 142; Chem. Ztg. Rep., 1899, **23**, 69; Wagner's Jsb., 1899, **30**, 441; Jahrb. Min., 1900, **92**, **2**, 31.
- 1899: 720. NOTE. Monazit.
 Berg. u. H. Ztg., 1899, **58**, n. s. **53**, 152.
- 1899: 721. EXNER and HASCHKE. Über die ultravioletten Funken-spectra der Elemente. "Thorium," XV Mittheilung.
 Sitzungsber. Akad. d. Wien. math.-naturw. Cl., 1899, **108**, Abth. **IIa**, 825-859; Beibl. Ann. der Phys., 1899, **24**, 109-110 Lit. Uebers; Fortschr. Phys., 1899, **55**, 178-179; Science Abstracts, 1900, **3**, 782-783; Rep. tech. jour.-lit., 1899, **21**, 718.
- 1899: 722. MATTHEWS. Classification of the Carbides, their modes of formation, and reactions of decomposition.
 J. Am. Chem. Soc., 1899, **21**, 647-650; J. Soc. Chem. Ind., 1899, 817-818; Chem. Centrbl., 1899, **70**, **II**, 553.
- 1899: 723. BAYERLEIN. Atomgewichte der Elemente.
 Ztschr. anal. Chem., 1899, 138-140.
- 1899: 724. HILLEBRAND. Mineralogical Notes. Analyses of Tysonite, Bastnäsite, Prosopite, Jeffersonite, Covellite, etc.
 Am. J. Sci., 1899, [**4**], **7**, 51-57; Ztschr. anorgan. Chem., 1899, **20**, 273; J. Am. Chem. Soc., 1899, **21**, in Review of Am. Chem. Research, 1899, **5**, 38-39; Jahrb. Min., 1899, **93**, **1**, 33-34; Ztschr. Kryst., 1901, **34**, 95-97; Bull. soc. franç. min., 1899, **22**, 36-37; Bull. U. S. Geol. Survey, 1900, **172**, 45; Chem. Centrbl., 1899, **70**, **I**, 565-566; Rep. tech. jour.-lit., 1899, **21**, 356.
- 1899: 725. RUTHERFORD, COUTTS, TROTTER, and McDONALD. Uranium radiation and the electrical conduction produced by it.
 Phil. Mag., 1899, [**5**], **47**, 109-163; Am. J. Sci., 1899, [**4**], **7**, 238; Ztschr. physikal. chem. unterricht., 1899, **12**, 298-299; Ztschr.

- physikal. Chem., 1899, **29**, 756; Chem. Ztg. Rep., 1899, **23**, 59; J. Phys., 1899, [**3**], **8**, 299-302; Jahrb. Erfind., 1900, **36**, 206-207; Beibl. Ann. der Phys., 1899, **23**, 591-594; 1899, **23**, 24 Lit. Uebers; Fortschr. Phys., 1899, **55**², 98-99; Chem. Centrbl., 1900, **71**, **1**, 388; Science Abstracts, 1899, **2**, 444-445; Rep. tech. jour.-lit., 1899, **21**, 216, 754.
- 1899: 726. GUILLAUME. D'un travail de M. Rutherford sur les radiations uraniques.
Résumés des Communications, Société Française de Physique, 1899, 3.
- 1899: 727. FRESSENIUS. Atomgewichte.
Bezirksverein Frankfurt a. M., 1899, February 25; Ztschr. angew. Chem., 1899, 361-367; Ztschr. Rübenz., 1899, **42**, 183-186; Rep. tech. jour.-lit., 1899, **21**, 116.
- 1899: 728. OWENS. Thorium radiation.
Phil. Mag., 1899, [**5**], **48**, 360-387; Beibl. Ann. der Phys., 1900, **24**, 584-585; J. Gasbel., 1899, **42**, 835; J. Phys., 1899, [**3**], **8**, 709-711; Chem. Ztg. Rep., 1899, **23**, 330; Naturw. Rundschau., 1900, **15**, 33-34; Ztschr. physikal. chem. unterricht., 1900, **13**, 99-107; Jahrb. Erfind., 1901, **37**, 194-196; El. Rev., N. Y., 1899, **35**, 294; Progressive Age, 1899, **17**, 549; Fortschr. Phys., 1899, **55**², 104-105; Science Abstracts, 1900, **3**, 24; Rep. tech. jour.-lit., 1899, **21**, 117.
- 1899: 729. CLARKE. Seventh Annual Report of the Committee on Atomic Weights. Results published in 1899.
J. Am. Chem. Soc., 1900, **22**, 70-80; 1900, **22**, in Review of Am. Chem. Research, 1900, **6**, 72; J. Chem. Soc. Lond., 1900, **78**, **2**, 339-340; Chem. News, 1900, **81**, 146-147, 160-161; Ztschr. physikal. Chem., 1901, **36**, 120-121; Beibl. Ann. der Phys., 1900, **24**, 631; 1900, **24**, 50 Lit. Uebers; Science Abstracts, 1900, **3**, 566.
- 1899: 730. NOTE. Die Nitratlampe.
Elektrotechnischer Neuigkeits Anzeiger, 1899, **2**, 677; L'Éclairage Électrique, 1899, **20**, 181-182; Ztschr. Beleucht., 1899, **5**, 303-304; Beibl. Ann. der Phys., 1900, **24**, 77; Fortschr. Phys., 1899, **55**², 771; Rep. tech. jour.-lit., 1899, **21**, 60.
- 1899: 731. NOTE. A rare earth deposit.
Chemist and Druggist, 1899, **54**, 46; J. Soc. Chem. Ind., 1899, 166.
- 1899: 732. DROSSBACH. Metathorhglühstrümpfe.
Pharm. Centralhalle, 1899, **40**, 94; Gesundheits Ing., 1899, **22**, 265; Rep. tech. jour.-lit., 1899, **21**, 47.
- 1899: 733. RICHARDS. Les lampes à incandescence.
L'Éclairage Électrique, 1899, **19**, 321-326; Rep. tech. jour.-lit., 1899, **21**, 60.
- 1899: 734. NERNST. Die Nernst'sche Glühlampe.
Elektrotechn. Ztschr., 1899, **20**, 355-356; Wieck's Deutsche Gewerbe Zeitung, Stuttgart, 1899, **64**, 115-116; Uhlands W. T., 1899, **2**, 39-

40; Promethens, 1899, **10**, 380; Pharm. Centrall., 1899, **40**, 480-482; Am. Electr., 1899, **11**, 180; Arch. Post., 1899, 872-873; Ann. tél., 1899, **25**, 180-186; Dingl. pol. J., 1899, **312**, 197-199; J. Gasbel., 1899, **42**, 362-364; Ztschr. Oest. Ing. V., 1899, **51**, 362-363; Central Z. Leipzig, 1899, **20**, 105-106 F.; Elektrotechnischer Anzeiger, 1899, **16**, 1109-1111; Dampf., 1899, **16**, 595-596, F.; Ztschr. Belencht., 1899, **5**, 181-182; Z. Arch., 1899, **45**, 345-347; Polyt. Centrbl., 1899, **60**, 211-213; Fortschr. Phys., 1899, **55**², 771; Rep. tech. jour.-lit., 1899, **21**, 60.

1899: 735. WYROUBOFF and VERNEUIL. Sur les oxydes condensés des terres rares.

Bull. soc. chim. Paris, 1899, [**3**], **21**, 118-143; Chem. News, 1899, **80**, 35; Ztschr. anorgan. Chem., 1899, **20**, 390; Chem. Centrbl., 1899, **70**, **I**, 726; Rep. tech. jour.-lit., 1899, **21**, 711.

1899: 736. HINTZ. (Lighting power of mantles.)

Journal des Usines à Gaz, 1899, January 20; Progressive Age, 1899, **17**, 97.

1899: 737. PRIOR. Minerals from Swaziland; Niobates and Titanates of the rare earths, chemically allied to Euxenite and Fergusonite, Cassiterite, Monazite, &c. The Aeschynite from Hitterö.

Min. Mag., 1899, **12**, 96-101; J. Chem. Soc. Lond., 1899, **76**, **2**, 432-433; Jahrb. Min., 1901, **93**, **I**, 31; Ztschr. Kryst., 1899-1900, **32**, 279-280; Chem. Centrbl., 1900, **71**, **I**, 622.

1899: 738. CAMPBELL-SWINTON. On the Luminosity of the Rare Earths when heated *in vacuo* by means of Cathode Rays.

Roy. Soc. Lond. Proc., 1899, **65**, 115-119; Revue Gen. Sci., 1899, **10**, 459; Naturw. Rundschau, 1899, **14**, 503-504; J. Gas L., 1899, **73**, **2**, 1743-1744; J. Phys., 1900, [**3**], **9**, 297-298; Progressive Age, 1899, **17**, 301; The Electrician., London, 1899, **43**, 372-374; El. Rev., London, 1899, **44**, 915-916; Industries and Iron, London, 1899, **26**, 446-447; J. Soc. Chem. Ind., 1899, 744; Elektrotechnischer Anzeiger, 1899, **16**, 1495-1496 F.; Science Abstracts, 1899, **2**, 742; Rep. tech. jour.-lit., 1899, **21**, 213-214.

1899: 739. DAWSON and WILLIAMS. Die Beurteilung der Sättigung von Lösungen durch messung der Leitfähigkeit.

Ztschr. Elektrochem., 1899, **6**, 141-144; Beibl. Ann. der Phys., 1900, **24**, 799; Ztschr. physikal. Chem., 1900, **33**, 379; Chem. Centrbl., 1899, **70**, **II**, 692.

1899: 740. NOTE. Les sables de Prado.

Cosmos, 1899, **40**, 129-130.

1899: 741. RICHARDS. A Table of Atomic Weights of 74 Elements.

Proc. Amer. Acad. Arts and Sci., 1899, **34**, 619, 637, 638; Chem. News, 1900, **81**, 113-114; Fortschr. Phys., 1899, **55**¹, 131-132.

- 1899: 742. KAUFFMANN. Zur kenntnis einiger neuer Thoriumsalze.
Inaugural Dissertation, Rostock, 1899.
- 1899: 743. TRUCHÔT. L'Éclairage à Incandescence par le Gaz et les liquides gazéifiés analysé par M. M. Guichard (a review of Truchôt's book).
Revue Gen. Sci., 1899, **10**, 677; Revue Sci., 1899, [4], **12**, 114-115;
Nature, 1899, **60**, 517; J. Gasbel, 1899, 383, 567.
- 1899: 744. EDITORIAL NOTE. Les rayons de Becquerel et les corps nouveaux.
Revue Gen. Sci., 1899, **10**, 890-892; Beibl. Ann. der Phys., 1900, **24**, 324-325.
- 1899: 745. NOTICE. (Auer electric incandescent lamp.)
J. Gasbel, 1899, 42, 535; Revue Sci., 1899, [4], **12**, 190.
- 1899: 746. CROOKES. Sur la source de l'énergie dans les corps radio-actifs.
C. R., 1899, **128**, 176-178; Am. J. Sci., 1899, [4], **7**, 472; Fortschr. Phys., 1899, **55**², 95; Science Abstracts, 1899, **2**, 223.
- 1899: 747. GUICHARD. La chimie des terres rares.
Revue Gen. Sci., 1899, **10**, 494-495.
- 1899: 748. BEHRENDSEN. Beiträge zur kenntniss der Becquerelstrahlen.
Ann. der Phys. Wied., 1899, **69**, 220-235; Ztschr. Kryst., 1901, **35**, 195-196; Jahrb. Erfind., 1900, **36**, 211-213; Science Abstracts, 1899, **2**, 825.
- 1899: 749. MEYER and SCHWEIDLER. Über das Verhalten von Radium und Polonium im magnetischen Felde.
Wien. Akad. Anz., 1899, 351; Naturw. Rundschau, 1899, **15**, 78-79;
Phys. Ztschr., 1900, **1**, 90-91, 113-114; Science Abstracts, 1900, **3**, 693-694.
- 1899: 750. NOTE. Monazite.
Mining and Scientific Press, 1899, **79**, 171.
- 1899: 751. NOTE. Monazite.
Mining and Scientific Press, 1899, **79**, 403.
- 1899: 752. RUTHERFORD and OWENS. Thorium and Uranium Radiation.
Trans. of the Royal Soc. of Canada, 1899, (2^o), vol. 5, sec. III, 9-12,
and Proceedings, p. cxxviii; Beibl. Ann. der Phys., 1901, **25**, 156-157; 1901, **25**, 13 Lit. Uebers.; Fortschr. Phys., 1900, **56**², 109-110.
- 1899: 753. DAWSON and WILLIAMS. On the determination of transition temperatures.
Chem. Soc. Lond. Proc., 1899, **15**, 210-211; Chem. Centrbl., 1900, **1**, 86.

- 1899: 754. VOGT. Ueber die relative verbreitung des Vanadins in Gesteinen.
Ztschr. prakt. Geol., 1899, 274-277; Chem. Centrbl., 1899, **70**, II, 783-784.
- 1899: 755. CROOKES. Some of the latest Achievements of Science.
Annual Report of the Smithsonian Institution for the year ending June 30, 1899, 143-153.
- 1899: 756. ———. "Les terres rares." Truchot (a review by Scheibe).
Ztschr. prakt. Geol., 1899, **7**, 230.
- 1899: 757. EDITORIAL. Nernst Licht, Lampe von Edison, Lampe von Auer von Welsbach.
Wagner's Jsb., 1899, **30**, 99-100.
- 1899: 758. ELSTER and GEITEL. Weitere Versuche an Becquerelstrahlen.
Ann. der Phys. Wied., 1899, **69**, 83-90; Ztschr. physikal. Chem., 1900, **32**, 408; J. Phys., 1900, [**3**], **9**, 33; Ztschr. Kryst., 1901, **35**, 194-195; Jahrb. Erfind., 1900, **36**, 208-209; Science Abstracts, 1899, **2**, 825.
- 1899: 759. WINKLER. Die relative Seltenheit der Elemente mit Bezug auf ihre technische Verwendung.
Ztschr. angew. Chem., 1899, 93-98; Jahrb. Min., 1900, **92**, **2**, 239.
- 1899: 760. HOFFMANN. Upon the occurrence of Polycrase in Canada.
Am. J. Sci., 1899, [**4**], **7**, 243; Ztschr. Kryst., 1901, **34**, 99.
- 1899: 761. FLINK, BÖGGILD, and WINTHER. (By Gust. Flink :) I Theil. Ueber die Mineralien von Narsarsuk im Fjord von Tunugdliarfik, Süd Grönland.
Meddelelser om Grönland, 1899, [1900], **24**, 7-180, Taf. IX; J. Chem. Soc. Lond., 1900, **78**, **2**, 410-413; Ztschr. Kryst., 1901, **34**, 639-682; Jahrb. Min., 1902, **94**, **I**, 18-38 Ref.; S. of M. Quar., 1902, **23**, 296.
- 1899: 762. FLINK, BÖGGILD, and WINTHER. (By O. B. Böggild and Chr. Winther :) II Theil. Ueber einige Mineralien aus dem Nephelinsyenit von Julianehaab in Grönland (Epistolit, Britholith, Schizolith, und Steenstrupin), gesammelt von G. Flink.
Meddelelser om Grönland, 1899, [1900], **24**, 181-213; J. Chem. Soc. Lond., 1900, **78**, **2**, 413-414, 414-415; Ztschr. Kryst., 1900, **34**, 682-691; Jahrb. Min., 1901, **93**, **I**, 373-379 Ref.; S. of M. Quar., 1902, **23**, 296-297; Bull. soc. franç. min., 1900, **23**, 34-35, 204-208; Min. Mag., 1901, **13**, 94-95; Am. J. Sci., 1900, **160**, [**4**], **10**, 323-325; Jahrb. Min., 1900, Festheft 16; Chem. Centrbl., 1901, **72**, **I**, 226-227; 1901, **72**, **II**, 945-946.
- 1899: 763. DERBY. On the Association of Argillaceous Rocks with Quartz Veins in the Region of Diamantina, Brazil.
Am. J. Sci., 1899, [**4**], **7**, 343-356; Ztschr. Kryst., 1901, **34**, 101; Jahrb. Min., 1901, **93**, **I**, 412-413.

- 1899: 764. BOLTON. An Experimental Study of Radio-Active Substances. (Read before the Chemical Society of Washington, April 21, 1900.)
Report of the Smithsonian Institution for year ending June 30, 1899, 155-162; J. Am. Chem. Soc., 1900, **22**, 596-604; Beibl. Ann. der Phys., 1901, **25**, 1027.
- 1899: 765. WILLS and LIEBKNECHT. Moleculare Susceptibilität paramagnetischer Salze.
Verhandl. der Deut. Phys. Ges., 1899, **I**, 154, 170-173; Beibl. Ann. der Phys., 1899, **23**, 111 Lit. Uebers.
- 1899: 766. HUSSAK and PRIOR. Florencite, a new hydrated Phosphate of Aluminium and the Cerium Earths, from Brazil.
Min. Mag., 1899, **12**, 244-248; J. Chem. Soc. Lond., 1900, **78**, **2**, 601-602; Jahrb. Min., 1900, **93**, **1**, 359-360; Ztschr. Kryst., 1902, **36**, 165-166; Min. Mitth., 1900, **20**, 86 Lit. Notiz; Am. J. Sci., 1900, [**4**], **10**, 404; Nature, 1899, **61**, 119; Bull. soc. franç. min., 1899-1900, **23**, 224-225; S. of M. Quar., 1902, **23**, 297.
- 1899: 767. HAMILTON. Monazite in Delaware County, Pennsylvania.
Proc. Phila. Acad. Nat. Sci., 1899, [**3**], **29**, 377-378; Ztschr. Kryst., 1901, 206; Jahrb. Min., 1901, **93**, **I**, 200; Bull. U. S. Geol. Survey, **172**, 41.
- 1900: 768. RUTHERFORD. A Radio-active substance emitted from Thorium compounds.
Phil. Mag., 1900, [**5**], **49**, 1-14; J. Chem. Soc. Lond., 1900, **78**, **2**, 351-352; Naturw. Rundschau., 1900, **15**, 139-140; Ztschr. anorgan. Chem., 1900, **23**, 319; J. Phys., 1900, [**3**], **9**, 213-214; Am. J. Sci., 1900, [**4**], **9**, 220; Nature, 1901, **64**, 157-158; Ztschr. physikal. chem. unterricht., 1900, **13**, 99-107; Ztschr. physikal. Chem., 1900, **34**, 126; Jahrb. Erfind., 1901, **37**, 191-192; Beibl. Ann. der Phys., 1900, **24**, 582-584; Fortschr. Phys., 1900, **56**², 109; Chem. Centrbl., 1900, **71**, **I**, 388-389; Science Abstracts, 1900, **3**, 239.
- 1900: 769. RUTHERFORD. Radio-activity produced in substances by the action of Thorium compounds.
Phil. Mag., 1900, [**5**], **49**, 161-192; J. Chem. Soc. Lond., 1900, **78**, **2**, 352; J. Soc. Chem. Ind., 1900, **19**, 558-559; Ztschr. anorgan. Chem., 1900, **23**, 467; J. Phys., 1900, [**3**], **9**, 411-412; Ztschr. physikal. chem. unterricht., 1900, **13**, 225-231; Ztschr. physikal. Chem., 1900, **34**, 126; Nature, 1901, **64**, 157-158; Ztschr. angew. Chem., 1900, 389-390; Naturw. Rundschau., 1900, **15**, 240-241; Phys. Ztschr., 1900, **1**, 347-348; Jahrb. Erfind., 1901, **37**, 192-194; Beibl. Ann. der Phys., 1900, **24**, 718-720; 1900, **24**, 39 Lit. Uebers; Fortschr. Phys., 1900, **56**², 108-109; Chem. Centrbl., 1900, **71**, **I**, 706-707; Science Abstracts, 1900, **3**, 468-469.
- 1900: 770. NORDENSKIÖLD. On the Discovery and Occurrence of Minerals Containing Rare Elements.
Quarterly Jour. Geol. Soc. London, 1900, **56**, 521-530; Phil. Mag., 1900, [**5**], **50**, 268; J. Chem. Soc. Lond., 1901, **80**, **2**, 319; Chem. News, 1900, **81**, 217-218; Ztschr. Kryst., 1902, **36**, 87; Chem. Centrbl., 1900, **71**, **I**, 1307.

- 1900: 771. RYDBERG. Die Härte der einfachen Körper.
Ztschr. physikal. Chem., 1900, **33**, 353-359; Jahrb. Min., 1902, **95**, I, 161; Ztschr. Kryst., 1902, **36**, 293; Bull. soc. franç. min., 1900, **23**, 268-269; Beibl. Ann. der Phys., 1900, **24**, 58 Lit. Uebers; Chem. Centrbl., 1900, **71**, I, 1197; Science Abstracts, 1900, **3**, 617.
- 1900: 772. POWER and SHEDDEN. The Composition and Determination of Cerium Oxalate.
J. Soc. Chem. Ind., 1900, **19**, 636-642; J. Chem. Soc. Lond., 1900, **78**, **2**, 628; Gas World, 1900, Aug. 18; Progressive Age, 1899, **17**, 385; Chem. Centrbl., 1900, **71**, II, 621.
- 1900: 773. JOB. Recherches sur l'oxydation en liqueur alcaline des sels de cobalt et de cérium.
Ann. phys. chim., 1900, [7], **20**, 205-264; Chem. Centrbl., 1900, **71**, II, 86-87.
- 1900: 774. PETERSON. Nilson memorial lecture.
Trans. Chem. Soc. Lond., 1900, 1277-1294; Chem. Soc. Lond. Proc., 1900, **16**, 162, 163; Chem. News, 1900, **82**, 238.
- 1900: 775. URBAIN. Recherches sur la séparation des terres rares.
Ann. chim. phys., 1900, [7], **19**, 184-274; Ztschr. anorgan. Chem., 1900, **24**, 151; J. Chem. Soc. Lond., 1900, **78**, **2**, 346; Chem. Centrbl., 1900, **71**, I, 516.
- 1900: 776. CLARKE. Eighth Annual Report of the Committee on Atomic Weights. Determinations published in 1900.
J. Am. Chem. Soc., 1901, **23**, 90-95; 1901, **23**, in Review Am. Chem. Research, 1901, **7**, 143; Ztschr. anorgan. Chem., 1901, **28**, 92; Ztschr. physikal. Chem., 1902, **40**, 109; J. Chem. Soc. Lond., 1901, **80**, **2**, 379; Chem. News, 1901, **83**, 161-162; Beibl. Ann. der Phys., 1901, **25**, 584-585; 1901, **25**, 73, 74 Lit. Uebers; Chem. Centrbl., 1901, **72**, I, 992; Science Abstracts, 1901, **4**, 703.
- 1900: 777. MUTHMANN and BÖHM. Ein neues Trennungsverfahren der Gadolinit-Erden und Darstellung reiner Ytria.
Ber., 1900, **33**, 42-49; J. Chem. Soc. Lond., 1900, **78**, **2**, 209; Chem. News, 1900, **81**, 169-170, 181-182; 1901, **83**, 36; Ztschr. physikal. Chem., 1901, **37**, 757-758; Ztschr. angew. Chem., 1900, **13**, 168; Chem. Centrbl., 1900, **71**, I, 397-398.
- 1900: 778. EXNER and HASCHEK. Über die ultravioletten Funkenspectra der Elemente. XVIII Mittheilung.
Sitzungsber. Akad. d. Wien, math.-naturw. Cl., 1900, **109**, Abth. IIa, 103-169; Beibl. Ann. der Phys., 1900, **24**, 993; 1900, **24**, 95 Lit. Uebers; Fortschr. Phys., 1900, **56**, 81-82; Science Abstracts, 1900, **3**, 952.
- 1900: 779. DU BOIS and LIEBKNECHT. Moleculare Susceptibilität paramagnetischer salze der seltener Erden.
Ann. der Phys. Wied., 1900, [4], **I**, 189-198; J. Phys., 1900, [3], **9**, 229; Ztschr. physikal. Chem., 1900, **33**, 637-638; Beibl. Ann. der Phys., 1900, **24**, 14 Lit. Uebers; Chem. Centrbl., 1900, **I**, 93-94.

- 1900: 780. DU BOIS and LIEBKNECHT. Molekulare Suszeptibilität der salze seltener Erden.
Verhandl. der Deut. Phys. Ges., 1900, **2**, 12, 19-21; Beibl. Ann. der Phys., 1900, **24**, 21 Lit. Uebers; Fortschr. Phys., 1900, **56**², 687.
- 1900: 781. THIELE. Über das Leuchten der Auerglühkörper.
Ber., 1900, **33**, 183-187; Ztschr. anorgan. Chem., 1900, **24**, 150; J. Chem. Soc. Lond., 1900, **78**, **2**, 208-209; Bull. soc. chim. Paris, 1900, [**3**], **24**, 446; Beibl. Ann. der Phys., 1900, **24**, 259; Fortschr. Phys., 1900, **56**², 90-91.
- 1900: 782. DU BOIS and LIEBKNECHT. Molekulare Suszeptibilität der salze seltener Erden.
Ber., 1900, **33**, 975-977; J. Chem. Soc. Lond., 1900, **78**, **2**, 333; Bull. soc. chim. Paris, 1900, [**3**], **24**, 513, 551-552; Beibl. Ann. der Phys., 1900, **24**, 701; 1900, **24**, 56 Lit. Uebers; Fortschr. Phys., 1900, **56**², 686-687; Chem. Centrbl., 1900, **71**, **I**, 947.
- 1900: 783. VON KNORRE. Ueber die Bestimmung des Cers.
Ber., 1900, **33**, 1924-1929; Chem. News, 1901, **83**, 264; Analyst., 1900, **25**, 329-330; J. Chem. Soc. Lond., 1900, **78**, **2**, 576; Bull. soc. chim. Paris, 1900, [**3**], **24**, 804-805; Ztschr. angew. Chem., 1900, **13**, 1059; J. Gasbel., 1900, **43**, 642; Chem. Centrbl., 1900, **71**, **II**, 398.
- 1900: 784. ROSENHEIM and SCHILLING. Über Salze des Thoriums.
Ber., 1900, **33**, 977-980; Ztschr. anorgan. Chem., 1900, **25**, 270; J. Chem. Soc. Lond., 1900, **78**, **2**, 351; Chem. News, 1901, **83**, 143; Bull. soc. chim. Paris, 1900, [**3**], **24**, 553-554; Chem. Centrbl., 1900, **71**, **I**, 947.
- 1900: 785. DEBIERNE. Sur un nouvel élément radio-actif; l'actinium.
C. R., 1900, **130**, 906-908; Ztschr. anorgan. Chem., 1900, **25**, 270; Chem. News, 1900, **81**, 169, 267; J. Chem. Soc. Lond., 1900, **78**, **2**, 350-351; Revue Gen. Sci., 1900, **11**, 615; Naturw. Rundschau., 1900, **15**, 283-284, 503; Revue Sci., 1900, [**4**], **13**, 501; Ztschr. physikal. chem. unterricht., 1900, **13**, 225-231; Cosmos, 1900, [**4**], **43**, 187; Ztschr. physikal. Chem., 1900, **35**, 106; Ztschr. angew. Chem., 1900, **13**, 492; Am. J. Sci., 1900, [**4**], **9**, 444; Beibl. Ann. der Phys., 1900, **24**, 579; 1900, **24**, 63 Lit. Uebers; Fortschr. Phys., 1900, **56**², 111; Jahrb. Erfind., 1900, **37**, 190; Chem. Centrbl., 1900, **71**, **I**, 1059-1060; Science Abstracts, 1900, **3**, 533-534.
- 1900: 786. WITT and THEEL. Beiträge zur kenntnis der Ceriterden.
Ber., 1900, **33**, 1315-1324; Ztschr. anorgan. Chem., 1900, **25**, 272; J. Chem. Soc. Lond., 1900, **78**, **2**, 403-404; Bull. soc. chim., Paris, 1901, [**3**], **26**, 2; Ztschr. angew. Chem., 1900, **13**, 645; Chem. Centrbl., 1900, **71**, **I**, 1260.
- 1900: 787. MUTHMANN and BAUR. Einige Beobachtungen über Luminescenz-spectren.
Ber., 1900, **33**, 1748-1763; J. Chem. Soc. Lond., 1900, **78**, **2**, 544-545; Bull. soc. chim. Paris, 1900, [**3**], **24**, 865-866; Beibl. Ann. der Phys.,

1900, **24**, 1126-1127; 1900, **24**, 96 Lit. Uebers; Ztschr. physikal. Chem., 1901, **38**, 374-375; Fortschr. Phys., 1900, **56**², 69-70; Chem. Centrbl., 1900, **71**, **II**, 233-234.

1900: 788. VON LENGYEL. Ueber radioactives Baryum. (Vorläufige Notiz.)

Ber., 1900, **33**, 1237-1240; Chem. News, 1900, **82**, 25-26; Ztschr. anorgan. Chem., 1900, **25**, 271; J. Chem. Soc. Lond., 1900, **78**, **2**, 402; Bull. soc. chim. Paris, 1900, [**3**], **24**, 694-695; Revue Sci., 1900, [**4**], **14**, 375-376; Am. Chem. J., 1900, **24**, 98-99; Beibl. Ann. der Phys., 1900, **24**, 937; Am. J. Sci., 1900, [**4**], **10**, 74-75; Ztschr. physikal. chem. unterricht, 1900, **13**, 343-346; Naturw. Rundschau., 1900, **15**, 317; Ztschr. angew. Chem., 1900, **13**, 643; Fortschr. Phys., 1900, **56**², 112; Science, 1900, **12**, 194, 314-315; Chem. Centrbl., 1900, **71**, **I**, 1191-1192; Science Abstracts, 1900, **3**, 629.

1900: 789. MEYER and JACOBY. Über die Doppelnitrate des vierwertigen Cers und des Thoriums. (Vorläufige Mittheilung.)

Ber., 1900, **33**, 2135-2140; Ztschr. anorgan. Chem., 1901, **26**, 204; Chem. News, 1901, **83**, 252; J. Chem. Soc. Lond., 1900, **78**, **2**, 597; Bull. soc. chim. Paris, 1900, [**3**], **24**, 803-804; Chem. Centrbl., 1900, **71**, **II**, 419-420.

1900: 790. MUTHMANN and BAUR. Untersuchung des künftlichen Thorium nitrats und den Auer'schen Glühkörper.

Ber., 1900, **33**, 2028-2031; Ztschr. anorgan. Chem., 1901, **26**, 204; Analyst, 1900, **25**, 328-329; Chem. News, 1901, **83**, 264; J. Chem. Soc. Lond., 1900, **78**, **2**, 597; Bull. soc. chim. Paris, 1900, [**3**], **24**, 804; S. of M. Quar., 1901, **23**, 102; Beibl. Ann. der Phys., 1900, **24**, 1121-1122; 1900, **24**, 105 Lit. Uebers; Ztschr. physikal. Chem., 1901, **38**, 375; Ztschr. angew. Chem., 1900, **13**, 963; Progressive Age, 1900, **18**, 501; Chem. Centrbl., 1900, **71**, **II**, 420-421.

1900: 791. MEYER and MARCKWALD. Zur Trennung der Ceriterden aus Monazitsand.

Ber., 1900, **33**, 3003-3013; Ztschr. angew. Chem., 1901, **14**, 87-88; Ztschr. anorgan. Chem., 1901, **26**, 266; J. Gasbel., 1901, **44**, 107; J. Chem. Soc. Lond., 1901, **80**, **2**, 21; Analyst, 1901, **26**, 136-137; Bull. soc. chim. Paris, 1901, [**3**], **26**, 68-70; Chem. Centrbl., 1900, **71**, **II**, 1229-1230.

1900: 792. BAUR. Über die Theorie der Gasglühstrümpfe.

Ztschr. angew. Chem., 1900, **13**, 1055-1057; Ztschr. anorgan. Chem., 1901, **26**, 266; Monit. Sci. Quesneville, 1901, [**4**], **15**, **1**, 257-259; Fortschr. Phys., 1900, **56**², 98; Chem. Centrbl., 1900, **71**, **II**, 1042.

1900: 793. PISSARJEWSKY. Hyperoxyde des Zirkoniums, Cers und Thoriums. Thermochemische Untersuchungen.

J. Russ. Phys. Chem. Ges., 1900, **32**, 609-627; Ztschr. physikal. Chem., 1902, **39**, 254; Ztschr. anorgan. Chem., 1901, **26**, 266; J. Chem. Soc. Lond., 1901, **80**, **2**, 56; Chem. Centrbl., 1901, **71**, **I**, 86-87.

- 1900: 794. MAUZELIUS. Minéraux nouveaux.
Bull. soc. franç. min., 1900, **23**, 25-36; Chem. Centrbl., 1900, **71**, **I**, 1304-1306.
- 1900: 795. FOCK. Chemisch-Krystallographische Notizen.
Ztschr. Kryst., 1899-1900, **32**, 250-257; Ztschr. physikal. Chem., 1901, **37**, 755; Chem. Centrbl., 1900, **71**, **I**, 534, 580.
- 1900: 796. CHAVASTELON. Sur la séparation des terres rares.
C. R., 1900, **130**, 781-782; Bull. soc. chim. Paris, 1900, [**3**], **23**, 342-343; J. Chem. Soc. Lond., 1900, **78**, **2**, 346-347; Chem. News, 1900, **81**, 179-180; Monit. Sci. Quesneville, 1900, [**4**], **14**, **1**, 346-347; Revue Sci., 1900, [**4**], **13**, 404-405; Revue Gen. Sci., 1900, **11**, 561; Chem. Centrbl., 1900, **71**, **I**, 876.
- 1900: 797. PISSARJEWSKY. Die Superoxyde des Zirkoniums, Ceriums und Thoriums. Thermochemische Untersuchung.
Ztschr. anorgan. Chem., 1900, **25**, 378-398; Beibl. Ann. der Phys., 1901, **25**, 15-16; 1901, **25**, 5 Lit. Uebers.
- 1900: 798. SCHIRMEISEN. Zur Ausgestaltung des periodischen Systems der chemischen Elemente.
Ztschr. physikal. Chem., 1900, **33**, 223-236; Bull. soc. chim. Paris, 1901, [**3**], **26**, 834; Ztschr. anorgan. Chem., 1900, **25**, 201; J. Chem. Soc. Lond., 1900, **78**, **2**, 397; Beibl. Ann. der Phys., 1900, **24**, 728-729; 1900, **24**, 57, 107 Lit. Uebers; Naturw. Rundschau., 1900, **15**, 401-403; Chem. Centrbl., 1900, **71**, **1**, 1193; Science Abstracts, 1900, **3**, 567-568.
- 1900: 799. MATIGNON. Vorlesungsversuche betreffend die Absorption von Wasserstoff und Stickstoff durch die seltenen Erde.
Deutsche Chemiker Ztg., 1900, **24**, 1062; Ztschr. anorgan. Chem., 1901, **26**, 262; J. Gasbel., 1901, **44**, 51; Chem. Centrbl., 1901, **72**, **I**, 86.
- 1900: 800. MATIGNON. Combinaison directe de l'hydrogène avec les métaux du groupe des terres rares.
C. R., 1900, **131**, 891-893; Ztschr. anorgan. Chem., 1901, **26**, 262; Ztschr. Elektrochem., 1901, **7**, 434; J. Chem. Soc. Lond., 1901, **80**, **2**, 61; Chem. News, 1900, **82**, 303; Chem. Ztg., 1900, **24**, 1094; Nature, 1900-1901, **63**, 147; Science, 1901, **13**, 435; Revue Gen. Sci., 1900, **11**, 1349; Chem. Centrbl., 1901, **72**, **I**, 85.
- 1900: 801. HOFMANN and STRAUSS. Radioaktives Blei und radioaktive seltene erden.
Ber., 1900, **33**, 3126-3131; J. Chem. Soc. Lond., 1901, **80**, **2**, 19; Ztschr. anorgan. Chem., 1901, **26**, 265-266; Bull. soc. chim. Paris, 1901, [**3**], **26**, 68; Jahrb. Min., 1902, **95**, **1**, 336; Chem. Ztg. Rep., 1900, **24**, 361; Naturw. Rundschau., 1900, **15**, 647; Ztschr. angew. Chem., 1901, **14**, 86-87; Beibl. Ann. der Phys., 1901, **25**, 80; 1901, **25**, 2 Lit. Uebers; Fortschr. Phys., 1900, **56**, 112-113; Chem. Centrbl., 1900, **71**, **II**, 1230.

- 1900: 802. FORMÁNEK. Nachweis der Metallsalze mittelst der Absorptionsspectral analyse unter Verwendung von Alkanna. Mit Tafel II. I.
Ztschr. anal. Chem., 1900, **39**, 409-434; Bull. soc. chim. Paris, 1901, [3], **26**, 953; J. Chem. Soc. Lond., 1900, **80**, **2**, 128-129; Fortschr. Phys., 1900, **56**², 68; Chem. Centrbl., 1900, **71**, **II**, 741.
- 1900: 803. FORMÁNEK. Nachweis der Metallsalze mittelst der Absorptionsspectral analyse unter Verwendung von Alkanna. Mit Tafel IV. II.
Ztschr. anal. Chem., 1900, **39**, 673-693; Chem. Centrbl., 1901, **72**, **I**, 275.
- 1900: 804. MATIGNON. Combinaison directe de l'azote avec les métaux du groupe des terres rares.
C. R., 1900, **131**, 837-839; J. Chem. Soc. Lond., 1901, **80**, **2**, 60-61; Bull. soc. chim. Paris, 1901, [3], **25**, 335; Chem. News, 1900, **82**, 290; Ztschr. Elektrochem., 1901, **7**, 434; Nature, 1900-1901, **63**, 123-124; Chem. Ztg., 1900, **24**, 1066; Science, 1901, **13**, 435; Revue Sci., 1900, [4], **14**, 695, 724; Revue Gen. Sci., 1900, 11, 1288; Chem. Centrbl., 1901, **72**, **I**, 85.
- 1900: 805. CROOKES. Radio-activity of Uranium.
Roy. Soc. Lond. Proc., 1899-1900, **66**, 409-423; J. Chem. Soc. Lond., 1900, **78**, **2**, 586-587; Chem. News, 1900, **81**, 253-255, 265-267; Ztschr. anorgan. Chem., 1901, **26**, 206; Am. J. Sci., 1900, [4], **10**, 318-319; Revue Gen. Sci., 1900, **11**, 949-950; Naturw. Rundschau., 1901, **16**, 39; J. Phys., 1901, [3], **10**, 363; Beibl. Ann. der Phys., 1900, **24**, 849; 1900, **24**, 83, 99 Lit. Uebers; Fortschr. Phys., 1900, **56**², 110-111; Chem. Centrbl., 1900, **71**, **II**, 364-365.
- 1900: 806. AFANASSIEW. Über die Einwirkung von Uran und Thorium enthaltenden Mineralien auf die photographische Platte.
J. Russ. Phys. Ges., 1900, **32**² (Phys. Teil), 103-106; J. Chem. Soc. Lond., 1900, **78**, **2**, 702; Beibl. Ann. der Phys., 1900, **24**, 1022; 1900, **24**, 89 Lit. Uebers; Bull. soc. franç. min., 1900, **23**, 232; Fortschr. Phys., 1900, **56**², 124, 154-155; Chem. Centrbl., 1900, **71**, **II**, 415.
- 1900: 807. BOSE and JÜTTNER. Über die Eigenschaften der Becquerel-Strahlen.
Chem. Ztg., 1900, **24**, 417-420; J. Gasbel., 1900, **43**, 541; Chem. Centrbl., 1900, **71**, **II**, 3.
- 1900: 808. CURTIUS and DARAPSKY. Neue Untersuchungen über den Stickstoffwasserstoff, N₃H.
J. prakt. Chem., 1900, [2], **61**, 108-122; Chem. Centrbl., 1900, **71**, **II**, 15-16.
- 1900: 809. NERNST and BOSE. Zur Theorie des Auerlichtes.
Phys. Ztschr., 1899-1900, **1**, 289-291; J. Gasbel., 1900, **44**, 112-113; J. Soc. Chem. Ind., 1901, **20**, 791-792; Naturw. Rundschau., 1900, **15**, 363; Fortschr. Phys., 1900, **56**², 9; Progressive Age, 1900, **17**, 323;

- 1901, **19**, 129; Gas World, 1900, June 16; Journal des Usines à Gaz, 1901, Feb. 5; Wagner's Jsb., 1901, **47**, 106; Beibl. Ann. der Phys., 1900, **24**, 470-471; 1900, **24**, 60 Lit Uebers; Science Abstracts, 1900, **3**, 625-626.
- 1900: 810. SAMTLEBEN. Ueber den Einfluss von Lichtgebern auf die Lichtstärke des Auerlichts.
J. Gasbel., 1900, **43**, 569-570; Ztschr. angew. Chem., 1900, **13**, 966; Chem. Centrbl., 1900, **71**, **II**, 601-602.
- 1900: 811. BOWMAN. Beiträge zur Kenntniss des Monazit.
Ztschr. Kryst., 1900, **33**, 113-126, mit Tafn. III, Figs. 1-7; Jahrb. Min., 1902, **95**, **I**, 185-186 Ref.; Bull. soc. franç. min., 1900, **23**, 267-268; Min. Mitth., 1901, **20**, 182, Lit Notiz; Chem. Centrbl., 1900, **71**, **II**, 815.
- 1900: 812. DERBY. Notes on monazite.
Am. J. Sci., 1900, [**4**], **10**, 217-221; Ztschr. Kryst., 1902, **36**, 69; Nature, 1900, **62**, 568; Progressive Age, 1900, **18**, 473-474; Chem. Centrbl., 1900, **71**, **II**, 815-816.
- 1900: 813. BAUR. Verfahren zur Darstellung eines von den übrigen seltenen Erden freien Thorpräparates.
Deutsche Patentschr. Nr. 120,013 Kl. 12 m. vom. 19/5, 1900 [19/4, 1901]; Ztschr. angew. Chem., 1901, **14**, 476; Chem. Centrbl., 1901, **72**, **I**, 1024.
- 1900: 814. BRAUNER. Contribution to the chemistry of thorium.
Chem. Soc. Lond. Proc., 1900, **17**, 67-68; Chem. News, 1901, **83**, 197-198; Ztschr. anorgan. Chem., 1901, **28**, 374; Nature, 1900-1901, **63**, 626-627; Beibl. Ann. der Phys., 1901, **25**, 587; Chem. Centrbl., 1901, **72**, **I**, 1036-1037.
- 1900: 815. ———. The Welsbach Light.
Science, 1900, **12**, 951-956; Beibl. Ann. der Phys., 1901, **25**, 14 Lit Uebers.
- 1900: 816. HOWE. The Eighth Group of the Periodic System and some of its Problems.
Proc. Am. Assoc. Adv. Sci., 1900, **49**, 83-118; Chem. News, 1900, **82**, 15-17, 30-33, 37-39, 52-54; Science, 1900, **11**, 1012-1020; 1900, **12**, 20-34; Ztschr. anorgan. Chem., 1900, **25**, 468; Naturw. Rundschau., 1900, **15**, 481-484, 493-496; Beibl. Ann. der Phys., 1900, **24**, 1225; J. Am. Chem. Soc., 1900, **22**, in Review of Am. Chem. Research, 1900, **6**, 148; Chem. Centrbl., 1900, **71**, **II**, 553.
- 1900: 817. NERNST and WILD. Einiges über das Verhalten elektrolytischer Glühkörper.
Ztschr. Elektrochem., 1900, **7**, 373-376; J. Gasbel., 1901, **44**, 133; Ztschr. anorgan. Chem., 1901, **26**, 354-355; Ztschr. angew. Chem., 1901, **14**, 277; Fortschr. Phys., 1900, **56**², 582; Beibl. Ann. der Phys., 1901, **25**, 197-198; Chem. Centrbl., 1901, **72**, **I**, 213-214; Science Abstracts, 1901, **4**, 279-300.

- 1900: 818. CURIE. Les nouvelles Substances radioactives. Read before Soc. de Secours des Amis des Sciences, June 14, 1900.
Revue Sci., 1900, [4], **14**, 65-71.
- 1900: 819. BRYAN. Sources and properties of Becquerel Rays.
Nature, 1900, **62**, 151-154.
- 1900: 820. DIERGART. Etymologische Untersuchungen über diejenigen Namen der chemischen Elemente, welche ihren internationalen und nationalen Sigeln zu Grunde liegen, mit besonderer Berücksichtigung ihrer deutschen Benennungen.
J. prakt. Chem., 1900, **169**, 497-531; *Ztschr. physikal. Chem.*, 1902, **39**, 711.
- 1900: 821. BOWMAN. On Monazite and associated minerals from Tintagel, Cornwall.
Min. Mag., 1900, **12**, 358-362, with 5 Figs.; *Jahrb. Min.*, 1902, **95**, I, 188-189 Ref.; *Ztschr. Kryst.*, 1902, **36**, 168-170; *Min. Mitth.*, 1901, **20**, 182 Lit.
- 1900: 822. LADUREAU. L'incandescence du thorium.
Vue Sci., 1900, 2 S., 188-189; *Rep. tech. jour.-lit.*, 1900, **22**, 62.
- 1900: 823. HOFFMAN. Report of the Section of Chemistry and Mineralogy.
Geological Survey of Canada, Report R, 1900, vol. XI, pp. 55; *Am. J. Sci.*, 1900 [4], **10**, 404.
- 1900: 824. ———. On Wave-length Tables of the Spectra of the Elements and Compounds. Report of the Committee, consisting of Sir H. E. Roseoe, Dr. Marshall Watts, Sir J. N. Lockyer, Prof. J. Dewar, Prof. G. D. Liveing, Prof. A. Schuster, Prof. W. N. Hartley, Prof. W. Gibbs, and Capt. Abney. Index to Tables, 1884-1900.
Brit. Assoc. Adv. Sci., 1900, 193-297.
- 1900: 825. ARTICLE ON "Thor."
Erdmann's Lehrbuch anorganischer Chemie, 1900, Zweites anlage, 582-584.
- 1900: 826. DERÔME. Les terres rares et l'incandescence.
La Nature, 1900, **54**, 338-340.
- 1900: 827. NOTICE. Les terres rares à l'Exposition universelle.
Revue de physique et de chimie, 1900; *Cosmos*, 1900, [4], **43**, 159-160.
- 1900: 828. SIEMENS and HALSKE. Darstellung von Thoriummetall.
Deutsche Reichs-Patent 133,958, July 31, 1900; *Chem. Ztg.*, 1902, **26**, 829.
- 1900: 829. REPORT of the Franklin Institute. The Welsbach Light. Award of Elliott Cresson Medal.
J. Frankl. Inst., 1900, **150**, 158, 406-415; *J. Gasbel.*, 1901, **44**, 50; *Progressive Age*, 1900, **18**, 477, 535.

- 1900: 830. LOVE. The Theory of the Incandescent Gas Light. (A lecture delivered by Dr. E. G. Love, official gas examiner for the city of New York, at the 28th annual meeting of the American Gas Light Association, Denver, Col., October 17 to 20.)
Am. Gas Light J., 1900, **73**, 728-729; Progressive Age, 1900, **18**, 510-511.
- 1900: 831. DU BOIS. Propriétés magnétiques de la matière pondérable. Rapports présentés au Congrès International de Physique, Paris, 1900, **2**, 460-508.
- 1900: 832. C. E. C. Notes on Polonium and Radium.
Am. Chem. J., 1900, **23**, 262-265.
- 1900: 833. NOTICE. Les métaux rares.
L'Echo des Mines, 1900; Cosmos, 1900, [**4**], **43**, 386.
- 1900: 834. RICHARDS. A Table of Atomic Weights of Seventy-four Elements, compiled in April, 1900, from the most Recent Data.
Proc. Am. Acad. Arts and Sci., 1899-1900, **35**, 621; Ztschr. physikal. Chem., 1901, **36**, 624; J. Am. Chem. Soc., 1900, **22**, in Review of Am. Chem. Research, 1900, **6**, 144.
- 1900: 835. LENHER. Rare Elements.
The Mineral Industry, New York, 1900, **9**, 568-584; Progressive Age, 1901, **19**, 353.
- 1900: 836. DE MARSY. La Lumière Noire et les formes ultimes de la matière.
La Nature, 1900, **55**, 1-3; Beibl. Ann. der Phys., 1900, **24**, 851; Fortschr. Phys., 1900, **56**², 650-651.
- 1900: 837. GIESEL. Ueber radio-active Stoffe.
Ber., 1900, **33**, 3569-3571; Chem. News, 1901, **83**, 122-123; Ztschr. anorgan. Chem., 1900, **27**, 316; Bull. soc. chim. Paris, 1901, [**3**], **26**, 129; J. Chem. Soc. Lond., 1900, **78**, **2**, 19-20; 1901, **80**, **2**, 99; Ztschr. angew. Chem., 1901, **14**, 227-228; Naturw. Rundschau, 1900, **15**, 103; Beibl. Ann. der Phys., 1901, **25**, 317; 1901, **25**, 22, 59 Lit. Uebers; Fortschr. Phys., 1900, **56**², 124; Chem. Centrbl., 1901, **72**, **I**, 355; Science Abstracts, 1901, **4**, 839.
- 1900: 838. EPHRAIM. Die Vorschläge zur Reform des Patentgesetzes.
Ztschr. angew. Chem., 1900, **13**, 457-463.
- 1900: 839. ERDMANN. Der siebente Jahresbericht der amerikanischen Commission für Atomgewichte.
Ztschr. angew. Chem., 1900, **13**, 463-464.
- 1900: 840. NOTE. Zur Lage des Thoriummarktes.
Ztschr. angew. Chem., 1900, **13**, 122.

- 1900: 841. KÖTHNER. Ueber selbststrahlende Materie.
Ztschr. angew. Chem., 1900, **13**, 81-85.
- 1900: 842. SÉQUARD, DOULHET et CHENEL. "Die Gewinnung der seltenen Erden aus den Monazitsanden."
Report of meeting. IV. Internationaler Congress für angewandte Chemie in Paris vom 23-28 Juli, 1900; Section II. Industrie der anorganischen Producte; Ztschr. angew. Chem., 1900, **13**, 792-795; J. Gasbel., 1900, **43**, 698; Progressive Age, 1900, **18**, 431.
- 1900: 843. MÜLLER. Bericht über die Ausstellung in der Technischen Hochschule.
Ztschr. angew. Chem., 1900, **13**, 1103-1108.
- 1900: 844. DAWSON and WILLIAMS. On the Determination of Transition Temperatures.
J. Phys. Chem., 1900, **4**, 370-382; Beibl. Ann. der Phys., 1900, **24**, 1092-1093; 1900, **24**, 115 Lit. Uebers.
- 1900: 845. MEYER and SCHWEIDLER. Versuche über die Absorption von Radium-strahlen.
Phys. Ztschr., 1899-1900, **1**, 209-211; Science Abstracts, 1900, **3**, 694.
- 1900: 846. RASCH. (On colors.)
Bayerischen Industrie-und Gewerbeblatt, 1900, 28; Kraft und Licht., 1900, July 13; Progressive Age, 1901, **19**, 371.
- 1900: 847. NOTE. Incandescent Gas Light.
Lux; Scientific American, 1900, **83**, 122; Progressive Age, 1900, **18**, 385.
- 1900: 848. DORN. Über die von Radioaktiven Substanzen Ausgesandte Emanation.
Abh. d. naturf. Ges. Halle, 1900, **23**, pp. 15; mit 2 Figuren im Text
Beibl. Ann. der Phys., 1900, **24**, 1343; Fortschr. Phys., 1900, **56**, 110.
- 1900: 849. ———. Becquerel Rays and Energy required to produce an Ion in Gases.
Nature, 1900-1901, **63**, 50.
- 1900: 850. PIERRON. (Automatic Gas Lighting.)
Le Gaz., 1900, August 15; Progressive Age, 1900, **18**, 477.
- 1900: 851. HERING. The Paris Exhibition of 1900.
Trans. Am. Inst. Electrical Engineers, 1900, **17**, 587-611, October; Progressive Age, 1901, **19**, 5-6.
- 1900: 852. BECQUEREL. Sur le rayonnement de l'uranium et sur diverses propriétés physiques du rayonnement des corps radio-actifs.
Rapports présentés au Congrès International de Physique, Paris, 1900, **3**, 47-78; Science Abstracts, 1901, **4**, 1025.

- 1900: 853. P. CURIE and MME. S. CURIE. Les nouvelles substances radio actives et les rayons qu'elles émettent.
Rapports présentés au Congrès International de Physique, Paris, 1900, **3**, 79-114; Science Abstracts, 1901, **4**, 935.
- 1900: 854. PRINCE KROPOTKIN. Recent Science. I. Unsuspected Radiations. II. Insects and Malaria.
Nineteenth Century, 1900, **48**, 919-940; Annual Report of the Smithsonian Institution for year ending June 30, 1900, 371-385.
- 1900: 855. NOTE. Becquerel Rays.
El. Rev., N. Y.; 1900, **46**, 379-380; J. Gasbel., 1900, **43**, 470.
- 1900: 856. ME. Die Becquerel'schen Strahlen.
J. Gasbel., 1900, **43**, 714-718.
- 1900: 857. CORRESPONDENCE BY SCHOONJANS. Missbräuche in der Gasglühlichtbranche.
J. Gasbel., 1900, **43**, 837-838.
- 1900: 858. BLONDEL. Les progrès des lampes électriques.
L'Éclairage Électrique, 1900, **24**, 342-356, 464-471; J. Gasbel., 1900, **43**, 939.
- 1900: 859. WYROUBOFF and VERNEUIL. La chimie des terres rares.
Revue Sci., 1900, [**4**], **13**, 513-520, 616-622; Le Mois Scient. et Ind., 1901, **2**, 250-252; J. Soc. Chem. Ind., 1901, **20**, 148; Progressive Age, 1900, **18**, 365.
- 1900: 860. BELL. Elements of Illumination. XV Paper.
Electrical World and Engineer, 1900, **36**, 806-808; Progressive Age, 1900, **18**, 551.
- 1900: 861. ———. Ueber die Entwicklung der Nernst'schen Glühlampe.
Elektrotechnischer Anzeiger, 1900, Nr. 23; J. Gasbel., 1900, **43**, 336, 414-415.
- 1900: 862. LIEBENTHAL. Die Leuchtkraft von Glühkörpern.
Verhandl. XXXX Jahresversammlung des Deutschen Vereins von Gas- und Wasserfachmännern zu Mainz, 1900; J. Gasbel., 1900, **43**, 495-503; J. Gas L., 1900, **77**, 994-976; Progressive Age, 1901, **19**, 218-219.
- 1900: 863. BUNTE. Glühkörpern. (Remarks on above paper.)
J. Gasbel., 1900, **43**, 499.
- 1900: 864. LIEBENTHAL. Ueber die Zeitliche Veränderung der Leuchtkraft von Gasglühkörpern.
Verhandl. XXXX Jahresversammlung des Deutschen Vereins für Gas- und Wasserfachmännern zu Mainz, 1900; J. Gasbel., 1900, **43**, 665-667; Fortschr. Phys., 1900, **56**², 98-99; Progressive Age, 1900, **18**, 431.

- 1900: 865. BUNTE. (Remarks on above paper.)
J. Gasbel., 1900, **43**, 667-669.
- 1900: 866. SALZENBERG. Das Kugellicht mit Pressluft.
Verhandl. XXXX Jahresversammlung des Deutschen Vereins für Gas- und Wasserfachmännern zu Mainz, 1900; J. Gasbel., 1900, **43**, 685-691; Wagner's Jsb., 1900, **46**, 71.
- 1900: 867. LIEBENTHAL. (The Life of Incandescent Mantles.)
"Compte Rendu" of the International Gas Congress, Paris, 1900.
- 1900: 868. LIEBENTHAL. Die Leuchtkraft von Glühkörpern. (A supplement to Dr. Bunte's paper "Ueber Gasglühlicht.") Vortrag auf dem internationalen Gascongress in Paris, 1900.
J. Gasbel., 1900, **43**, 971-973; J. Gas L., 1900, **76**, **1**, 630, 642-643; J. Soc. Chem. Ind., 1900, **19**, 999-1000; Progressive Age, 1900, **18**, 529.
- 1900: 869. ———. (Discussion of the Development of the Welsbach Mantle.)
Le Moniteur de l'Industrie du Gaz, 1900, May 15; Progressive Age, 1900, **18**, 343.
- 1900: 870. NOTE. Ueber die selbstthätigen zünder für Gasglühlichtbrenner.
Journal des Usines à Gaz; Dingl. pol. J., 1900, **315**, 211-212.
- 1900: 871. STEWART. Becquerel Rays, a Résumé.
The Physical Review, 1900, **11**, 155-175; J. Am. Chem. Soc., 1901, **23**, in Review of Am. Chem. Research, 1901, **7**, 158; Beibl. Ann. der Phys., 1900, **24**, 1344; Science Abstracts, 1901, **4**, 27.
- 1900: 872. NOTE. Recent Developments in Nernst Lamps.
The Electrician, London, 1900, **44**, 853-854; Beibl. Ann. der Phys., 1900, **24**, 601; 1900, **24**, 68 Lit. Uebers.
- 1900: 873. LEWES. The Incandescent Gas Mantle and its Uses. Three Cantor Lectures delivered before the Society of Arts.
J. Society of Arts, 1899-1900, **48**, 460, 841-847, 853-859, 865-873; J. Gas L., 1900, **75**, 920, 1048; Progressive Age, 1900, **18**, 308-310, 336-338, 350-353; Science Abstracts, 1901, **4**, 293.
- 1900: 874. NOTICE. The Mineral Industry, New York, 1900, volume 9.
Progressive Age, 1901, **19**, 336-337.
- 1900: 875. NOTE. Large deposits of the rare earths found in Central Tasmania.
Scientific American, 1900, **83**, 74; Progressive Age, 1900, **18**, 407.
- 1900: 876. LEWES. The Incandescent Gas Mantle and its Uses.
Am. Gas Light J., 1900, **73**, 806-809, 842-845, 882-886.
- 1900: 877. SALOMON. La lampe Nernst.
L'Industrie électrique, 1900; Cosmos, 1900, [**4**], **43**, 33-34.

- 1900: 878. LEWES. The Incandescent Gas Mantle and its Uses.
J. Gas L., 1900, **75**, 1299-1302, 1360-1362, 1436-1439.
- 1900: 879. NOTICE. Les métaux rares.
Moniteur industriel, 1900; Cosmos, 1900, [4], **43**, 707.
- 1900: 880. RUTHERFORD. Über eine von Thoriumverbindungen emittierte radioaktive Substanz.
Phys. Ztschr., 1899-1900, **I**, 347-348; Beibl. Ann. der Phys., 1900, **24**, 79 Lit. Uebers.
- 1900: 881. HILLEBRAND. Some Principles and Methods of rock analysis.
Bull. U. S. Geol. Survey, 1900, **176**, pp. 114; Chem. News, 1901, **83**, 66-70; 80-81, 88-91, 101-102, 111-113, 127-128, 136-138, 150-151, 164-166, 175-178, 184-187, 195-196, 211-213, 218-220, 231-235, 246-247, 254-256.
- 1901: 882. BASKERVILLE. "Contribution to the Chemistry of Thorium; Evidence Pointing to the Existence of a New Element, 'Carolinium.'"
Proc. Am. Chem. Soc., 1901, **23**, 99-100.
- 1901: 883. RUTHERFORD and McCLUNG. Energy of Röntgen and Becquerel Rays, and the Energy Required to produce an Ion in Gases.
Roy. Soc. Lond. Proc., 1901, **67**, **2**, 245-250; Phil. Trans. Roy. Soc. Lond., 1901, No. **196**, 25-59; Science Abstracts, 1901, **4**, 370-371.
- 1901: 884. HOFMANN and STRAUSS. Ueber das radio-active Blei. (Vorläufige Mittheilung.)
Ber., 1901, **34**, 8-11; J. Chem. Soc. Lond., 1901, **80**, **2**, 159; Am. J. Sci., 1900, [4], **11**, 235; Ztschr. angew. Chem., 1901, **14**, 228; Bull. soc. chim. Paris, 1901, [3], **26**, 244-245; La Nature, 1901, **57**, 46; Berg. u. H. Ztg., 1901, **60**, n. s. **55**, 258; Jahrb. Min., 1902, **95**, **1**, 336; Beibl. Ann. der Phys., 1901, **25**, 317-318; 1901, **25**, 22 Lit. Uebers; Naturw. Rundschau, 1901, **16**, 183-184; Chem. Centrbl., 1901, **72**, **I**, 438-439.
- 1901: 885. HOFMANN, KORN, and STRAUSS. Über die Einwirkung von Kathodenstrahlen auf radioaktive Substanzen. I Mittheilung.
Ber., 1901, **34**, 407-409; J. Chem. Soc. Lond., 1901, **80**, **2**, 216; Bull. soc. chim. Paris, 1901, [3], **26**, 245; Jahrb. Min., 1902, **95**, **1**, 336; Ztschr. physikal. Chem., 1902, **41**, 234; Ztschr. anorgan. Chem., 1901, **27**, 316; Naturw. Rundschau, 1901, **16**, 216; Ztschr. angew. Chem., 1901, **14**, 393; Nature, 1900-1901, **63**, 405; Beibl. Ann. der Phys., 1901, **25**, 397-398; 1901, **25**, 51 Lit. Uebers; Chem. Centrbl., 1901, **72**, **I**, 660-661.
- 1901: 886. HOFMANN and STRAUSS. Über die Einwirkung von Kathodenstrahlen auf radioaktive Substanzen. II Mittheilung.
Ber., 1901, **34**, 907-913; Bull. soc. chim. Paris, 1901, [3], **26**, 951; La Nature, 1901, **57**, 46; Jahrb. Min., 1902, **95**, **1**, 336; Ztschr.

physikal. Chem., 1902, **41**, 235-236; Naturw. Rundschau., 1901, **16**, 291-292; Am. J. Sci., 1900, [4], **11**, 163; Ztschr. angew. Chem., 1901, **14**, 832-833; Ztschr. anorgan. Chem., 1901, **28**, 375; Berg. u. H. Ztg., 1901, **55**, n. s. **50**, 258; J. Chem. Soc. Lond., 1901, **80**, 2, 385; Beibl. Ann. der Phys., 1901, **25**, 633-634; 1901, **25**, 81, 101 Lit. Uebers.; Science, 1901, **13**, 831-832; Chem. Centrbl., 1901, **72**, I, 1084-1085.

1901: 887. HOFMANN and STRAUSS. Über das radioaktive Blei. III Mittheilung.

Ber., 1901, **34**, 3033-3039; Am. J. Sci., 1901, [4], **12**, 388; Bull. soc. chim. Paris, 1902, [3], **28**, 116; J. Soc. Chem. Ind., 1901, **20**, 1150; Naturw. Rundschau., 1901, **16**, 669; Ztschr. angew. Chem., 1901, **14**, 1305-1306; La Nature, 1901, **57**, 46; Ztschr. physikal. Chem., 1902, **41**, 634; Beibl. Ann. der Phys., 1901, **25**, 167 Lit. Uebers.; Chem. Centrbl., 1901, **72**, II, 1038-1039.

1901: 888. G. and E. URBAIN. Sur l'isolement de l'yttria, de l'ytterbium et de la nouvelle erbine.

C. R., 1901, **132**, 136-138; Bull. soc. chim. Paris, 1901, [3], **25**, 383; J. Chem. Soc. Lond., 1901, **80**, 2, 160-161; Chem. News, 1901, **83**, 82; Monit. Sci. Quesneville, 1901, [4], **15**, I, 220-221; Revue Sci., 1901, [4], **15**, 147-148; Revue Gen. Sci., 1901, **12**, 147; Beibl. Ann. der Phys., 1901, **25**, 327-328; 1901, **25**, 42 Lit. Uebers.; Chem. Centrbl., 1901, **71**, I, 437-438.

1901: 889. MATIGNON and DÉLEPINE. Composition de l'hydrure et de l'azoture de thorium.

C. R., 1901, **132**, 36-38, 232; Chem. News, 1901, **83**, 59-60; Ztschr. anorgan. Chem., 1901, **27**, 314; J. Chem. Soc. Lond., 1901, **80**, 2, 106; Chem. Ztg., 1901, **25**, 71; Nature, 1900-1901, **63**, 292; Revue Sci., 1901, [4], **15**, 186; Revue Gen. Sci., 1901, **12**, 105; Chem. Centrbl., 1901, **71**, I, 295.

1901: 890. WYROUBOFF. Recherches sur les solutions.

Bull. soc. chim. Paris, 1901, [3], **25**, 105-130; J. Chem. Soc. Lond., 1901, **80**, 2, 149-150; Ztschr. physikal. Chem., 1901, **37**, 626-727; Chem. News, 1901, **83**, 263; Beibl. Ann. der Phys., 1901, **25**, 27 Lit. Uebers.; Chem. Centrbl., 1901, **72**, I, 494-495.

1901: 891. DROSSBACH. Verfahren zur Herstellung von Glühkörpern durch Verwendung höher oxydierter Thoriumsalze.

Deutsche Reichs-Patent Nr. 117,755 vom. 5. März 1899, Klasse 4; J. Gasbel., 1901, **44**, 763; Chem. Centrbl., 1901, **72**, I, 546.

1901: 892. HOFMANN and HEIDEPRIEM. Eine Bröggerit-analyse.

Ber., 1901, **34**, 914-915; J. Chem. Soc. Lond., 1901, **80**, 2, 396; Bull. soc. chim. Paris, 1901, [3], **26**, 952; Chem. Centrbl., 1901, **72**, I, 1085.

1901: 893. STEVENS. Zur Kenntniss der Metathorsäure und des Metathoroxychlorids.

Ztschr. anorgan. Chem., 1901, **27**, 11-52; Bull. soc. chim. Paris, 1901, [3], **26**, 452-453; J. Chem. Soc. Lond., 1901, **80**, 2, 391-392; Chem. Centrbl., 1901, **72**, I, 1034-1035.

- 1901 : 894. HERZFELD and KORN. "Chemie der seltenen Erden," Berlin, 1901. (A review by Von Schéele and Benedicks.)
Ztschr. anorgan. Chem., 1901, **27**, 202-205.
- 1901 : 895. HERZFELD and KORN. "Chemie der seltenen Erden," Berlin, 1901. (A review by Meyer.)
Ztschr. anorgan. Chem., 1901, **27**, 205-208.
- 1901 : 896. HERZFELD and KORN. Chemie der seltenen Erden. Berlin, 1901. (A review by Witt.)
Die Chemische Industrie, 1901, **24**, 188; Beibl. Ann. der Phys., 1901, **25**, 36 Lit. Uebers.
- 1901 : 897. WYROUBOFF. Sur la forme cristalline de quelques sels de terres rares.
Bull. soc. franç. min., 1901, **24**, 105-116; Beibl. Ann. der Phys., 1901, **25**, 87 Lit. Uebers; Chem. Centrbl., 1901, **72**, **I**, 1353-1354, 1363.
- 1901 : 898. WYROUBOFF. Einige Bemerkungen zu der Abhandlung von H. P. Stevens über das Metathorium.
Ztschr. anorgan. Chem., 1901, **28**, 90-91; Bull. soc. chim. Paris, 1902, [**3**], **28**, 475; J. Chem. Soc. Lond., 1901, **80**, **2**, 604; Chem. Centrbl., 1901, **II**, 574.
- 1901 : 899. KÜSTER. Tabelle der Atomgewichte aufgestellt von der Atomgewichtskommission der Deutschen Chemischen Gesellschaft für Jahr 1901.
Beiläge zu den Ber., 1901, Heft I; Ztschr. anorgan. Chem., 1901, **26**, 350-354; Ztschr. physikal. chem. unterricht., 1900, **13**, 108; Science, 1901, **13**, 627.
- 1901 : 900. HOFMANN and PRANDTL. Ueber die Zirkonerde im Euxenit von Brevig.
Ber., 1901, **34**, 1064-1069; Bull. soc. chim. Paris, 1901, [**3**], **26**, 451-452; Ztschr. anorgan. Chem., 1901, **28**, 374; Am. J. Sci., 1900, [**4**], **11**, 463-464; J. Soc. Chem. Lond., 1901, **80**, **2**, 387-388; Ztschr. angew. Chem., 1901, **14**, 589; Science, 1901, **13**, 832; Chem Centrbl., 1901, **72**, **I**, 1139-1141.
- 1901 : 901. BASKERVILLE. On the Existence of a new Element associated with Thorium.
J. Am. Chem. Soc., 1901, **23**, 761-774; Am. J. Sci., 1901, [**4**], **12**, 462; J. Soc. Chem. Ind., 1901, **20**, 1231-1232; Revue Sci., 1901, [**4**], **16**, 503; Ztschr. physikal. Chem., 1902, **41**, 378-379; J. Chem. Soc. Lond., 1902, **82**, **2**, 85; Chem. News, 1901, **84**, 179-181, 187-189; Beibl. Ann. der Phys., 1901, **25**, 177, 178 Lit. Uebers; Chem. Centrbl., 1901, **72**, **II**, 1145-1146; Science Abstracts, 1902, **5**, 218; Rep. tech. jour. lit., 1901, **23**, 119, 680.
- 1901 : 902. BASKERVILLE. "On the Existence of a New Element Associated with Thorium."
Proc. Am. Chem. Soc., 1901, **23**, 118.

- 1901 : 903. KOHLSCHÜTTER. Ueber das Vorkommen von Stickstoff und Helium in Uranmineralien.
Ann. der Chem. (Liebig), 1901, **317**, 158-189; J. Chem. Soc. Lond., 1901, **80**, **2**, 598-599; Chem. Ztg. Rep., 1901, **25**, 229; Beibl. Ann. der Phys., 1901, **25**, 908-910; 1901, **25**, 129 Lit. Uebers; Ztschr. angew. Chem., 1901, **14**, 829-830; Chem. Centrbl., 1901, **72**, **II**, 656-657.
- 1901 : 904. DROSSBACH. Zur Chemie des Thoriums.
Ztschr. angew. Chem., 1901, **14**, 655-658; J. Gasbel., 1901, **44**, 883; Chem. Centrbl., 1901, **72**, **II**, 264-265.
- 1901 : 905. MIERS. Rammelsberg Memorial Lecture.
J. Chem. Soc. Lond., 1901, **79**, 1-43; Chem. News, 1900, **82**, 277; 1901, **83**, 31.
- 1901 : 906. SACHS. Krystallographisch-optische studien an synthetisch dargestellten verbindungen.
Ztschr. Kryst., 1901, **34**, 158-170; Beibl. Ann. der Phys., 1901, **25**, 417-418; 1901, **25**, 54 Lit. Uebers; Min. Mitth., 1901, **20**, 265; Chem Centrbl., 1901, **72**, **I**, 872-873, 877.
- 1901 : 907. JIMBO. On the minerals of Japan.
Jour. College of Science, Tokyo, 1899, **9**, Part **II**, 213-280; Ztschr. Kryst., 1901, **34**, 215-223; Jahrb. Min., 1900, **92**, **2**, 40-41.
- 1901 : 908. KRAUS. Ueber einige Salze der seltenen erden.
Inaug. Dissertation der Universität München; Ztschr. Kryst., 1901, **34**, 397-431; Bull. soc. franç. min., 1901, **24**, 452; J. Chem. Soc. Lond., 1901, **80**, **2**, 453; J. Gasbel., 1901, **44**, 514; Beibl. Ann. der Phys., 1901, **25**, 677; 1901, **25**, 99 Lit. Uebers; Chem. Centrbl., 1901, **72**, **II**, 15-16.
- 1901 : 909. MEYER and JACOBY. Die Doppelnitrate des vierwertigen Ceriums und des Thoriums.
Ztschr. anorgan. Chem., 1901, **27**, 359-389; J. Chem. Soc. Lond., 1901, **80**, **2**, 510-511; Bull. soc. chim. Paris, 1902, [**3**], **28**, 407-408; Chem. Centrbl., 1901, **72**, **I**, 167-168.
- 1901 : 910. CURIE and DEBIERNE. Sur la radio-activité induite provoquée par les sels de radium.
C. R., 1901, **132**, 548-551; J. Chem. Soc. Lond., 1901, **80**, **2**, 216-217; Am. J. Sci., 1901, [**4**], **12**, 319-320; Chem. News, 1901, **83**, 191; 1901, **84**, 25-26; Monit. Sci. Quesneville, 1901, [**4**], **15**, **I**, 285; Revue Gen. Sci., 1901, **12**, 288; Beibl. Ann. der Phys., 1901, **25**, 134, 172 Lit. Uebers; Cosmos, 1901, [**4**], **44**, 343, 441; Nature, 1900-1901, **63**, 556; Naturw. Rundschau., 1901, **16**, 278; Revue Sci., 1901, [**4**], **15**, 341; Phys. Ztschr., 1900-1901, **2**, 500-501, 513-514; Science Abstracts, 1901, **4**, 744.
- 1901 : 911. NOTE. Ueber die Basis der Atomgewichte.
Ztschr. Elektrochem., 1901, **7**, 493-494.

- 1901 : 912. ———. Die neuen Tabellen der Atomgewichte.
Ztschr. physikal. chem. unterricht., 1901, **14**, 119-121.
- 1901 : 913. ———. Becquerel-und Röntgenstrahlen.
Ztschr. physikal. chem. unterricht., 1901, **14**, 232-237.
- 1901 : 914. RUTHERFORD. Emanationen.
Phys. Ztschr., 1900-1901, **2**, 429; Ztschr. physikal. chem. unterricht., 1901, **14**, 357-358; Naturw. Rundschau., 1901, **16**, 343-344.
- 1901 : 915. ———. Bibliography of Spectroscopy. Report of the Committee, consisting of Prof. H. McLeod (Chairman), Sir W. C. Roberts-Austen (Secretary), Mr. H. G. Madan, and Mr. D. H. Nagel.
Brit. Assoc. Adv. Sci., 1901, 155-208.
- 1901 : 916. CASPARI. The new Radio-active Substances.
Am. Chem. J., 1901, **25**, 77-80; S. of M. Quar., 1902, **24**, 105.
- 1901 : 917. BESSON. Les nouveaux métaux, Polonium, Radium et Actinium.
Mémoires et Compte rendu des travaux de la Société des Ingénieurs Civils de France, 1901, **1**, 459-470, 554-557, 677; Eng. and Min. Jour., 1901, **71**, 726; J. Soc. Chem. Ind., 1901, **20**, 845; Revue Sci., 1901, [**4**], **15**, 761-762; Electricien, Paris, 1901, ———; Berg. u. H. Ztg., 1901, **60**, n. s. **55**, 426-427.
- 1901 : 918. ERDMANN. Ueber den gegenwärtigen Stand der Atomgewichtsfrage.
Ztschr. angew. Chem., 1901, **14**, 841-843; Chem. Centrbl., 1901, **72**, **II**, 721.
- 1901 : 919. SMITH. Vanadium, its extraction and uses.
J. Soc. Chem. Ind., 1901, **20**, 1183-1188, 1217; Chem. Centrbl., 1902, **73**, **I**, 346-347.
- 1901 : 920. NOTE. Zur Berechnung der Atomgewichte.
Ztschr. angew. Chem., 1901, **14**, 182-184.
- 1901 : 921. BRAUNER. On the place of hydrogen in the periodic system.
Chem. News, 1901, **84**, 233-234; Chem. Centrbl., 1902, **73**, **I**, 12-13.
- 1901 : 922. STEELE. The place of the rare earth metals among the elements.
Chem. News, 1901, **84**, 245-247; J. Chem. Soc. Lond., 1902, **82**, **2**, 79; Chem. Centrbl., 1902, **73**, **I**, 15-16.
- 1901 : 923. NORTON. The Action of Sodium Thiosulphate on Solutions of Metallic Salts at High Temperatures and Pressures.
Am. J. Sci., 1901, [**4**], **12**, 115-122; Chem. News, 1901, **84**, 254-255, 261-262; J. Soc. Chem. Ind., 1902, **21**, 51.

- 1901: 924. DERBY. The mode of occurrence of Topaz near Ouro Preto, Brazil.
Am. J. Sci., 1901, [4], **11**, 25-34; J. Chem. Soc. Lond., 1901, **80**, 2, 169; J. Am. Chem. Soc., 1901, **23**, in Review of Am. Chem. Research, 1901, **7**, 74-75.
- 1901: 925. HOFFMAN. On some new mineral occurrences in Canada.
Am. J. Sci., 1901, [4], **11**, 149-153; Chem. Centrbl., 1901, **72**, I, 759-760.
- 1901: 926. KRAUS and REITINGER. Hussakit, ein neues mineral und dessen beziehung zum Xenotim.
Ztschr. Kryst., 1901, **34**, 268-277; J. Am. Chem. Soc., 1902, **24**, in Review of Am. Chem. Research, 1902, **8**, 450-451; Bull. soc. franc. min., 1901, **24**, 436; S. of M. Quar., 1902, **23**, 299; Am. Geologist, 1902, **30**, 46-55.
- 1901: 927. PEGRAM. Radio-active minerals.
Science, 1901, **13**, 274; Berg. u. H. Ztg., 1901, **60**, n. s. **55**, 220; Progressive Age, 1901, **19**, 405-407, 421; Beibl. Ann. der Phys., 1901, **25**, 397; 1901, **25**, 47 Lit. Uebers.
- 1901: 928. HEMPEL. Ueber Messung hoher Temperaturen mittels des Spectralapparates.
Sächsisch-Thüringischen Bezirksverein des Vereins Deutscher Chemiker; Ztschr. angew. Chem., 1901, **14**, 237-242.
- 1901: 929. HERZFELD and KORN. Chemie der seltenen Erden. Berlin, 1901. (A review by Drossbach.)
Ztschr. angew. Chem., 1901, **14**, 811.
- 1901: 930. RUTHERFORD. Emanations from radio-active substances.
Nature, 1901, **64**, 157-158; Berg. u. H. Ztg., 1901, **60**, n. s. **55**, 390; Revue Sci., 1901, [4], **16**, 88; Beibl. Ann. der Phys., 1901, **25**, 729; Science Abstracts, 1901, **4**, 934.
- 1901: 931. GUILLAUME. Les lois du rayonnement et la théorie des manchons a incandescence. Première partie: Les principes. Deuxième partie: Les applications.
Revue Gen. Sci., 1901, **12**, 358-368, 422-434; Jour. l'Éclairage au Gaz, 1901, 247-250, 270; Nature, 1901, **64**, 309; J. Gasbel., 1901, **44**, 726; Progressive Age, 1901, **19**, 371; Beibl. Ann. der Phys., 1901, **25**, 595; 1901, **25**, 87, 103 Lit. Uebers.
- 1901: 932. PEGRAM. Radio-active substances and their radiations.
Science, 1901, **14**, 53-59; Beibl. Ann. der Phys., 1901, **25**, 1027; 1901, **25**, 136 Lit. Uebers; Progressive Age, 1901, **19**, 405-407, 421; Electrical World and Engineer, N. Y., 1901, **38**, 126-127, 146; Science Abstracts, 1901, **4**, 935.
- 1901: 933. BAUR. Die Bedeutung der Becquerelstrahlen in der Chemie.
Naturw. Rundschau, 1901, **16**, 338-340, 355-356; Beibl. Ann. der Phys., 1901, **25**, 1027-1028; 1901, **25**, 117-132 Lit. Uebers.

- 1901: 934. MEYER and JACOBY. Die Doppelnitrate des vierwertigen Ceriums und des Thoriums.
Ztschr. anorgan. Chem., 1901, **27**, 359-389; J. Chem. Soc. Lond., 1901, **80**, **2**, 510-511; Chem. Centrbl., 1901, **72**, **I**, 167-168.
- 1901: 935. WYROUBOFF. Sur la forme cristalline de quelques sels des terres rares.
Bull. soc. franç. min., 1901, **24**, 105-116; Beibl. Ann. der Phys., 1901, **25**, 87 Lit. Uebers.
- 1901: 936. STERBA. Préparation de l'oxyde de Cérium pur.
C. R., 1901, **133**, 221-223; J. Soc. Chem. Ind., 1901, 927; J. Chem. Soc. Lond., 1901, **80**, **2**, 602; Ztschr. Elektrochem., 1901, **7**, 963-964; Nature, 1901, **64**, 344; Chem. News, 1901, **84**, 84; Monit. Sci. Quesneville, 1901, [**4**], **15**, **2**, 618; Bull. soc. chim. Paris, 1901, [**3**], **26**, 969-970; Cosmos, 1901, [**4**], **45**, 155; J. Gasbel., 1901, **44**, 708; Revue Sci., 1901, [**4**], **16**, 150; Revue Gen. Sci, 1901, **12**, 773; Chem. Centrbl., 1901, **72**, **II**, 573-574.
- 1901: 937. FORMENTI and LEVI. "Einwirkung von Al auf die Salzlösungen und auf einige geschmolzene Salze."
Bollettino Chimico Farmaceutico, 1901, **40**, 689-696; J. Chem. Soc. Lond., 1902, **82**, **2**, 141; J. Soc. Chem. Ind., 1902, **21**, 116; Chem. Centrbl., 1901, **72**, **II**, 1298.
- 1901: 938. R. F. RAMMELSBURG, by G. Wyrouboff.
Bull. soc. franç. min., 1901, **24**, 280-306.
- 1901: 939. SARTORI. Tabellen zur Berechnung quantitativer chemischer Analysen unter Zugrundelegung der von Landolt, Ostwald und Seubert für die Praxis empfohlenen Atomgewichtszahlen.
Ztschr. anal. Chem., 1901, **40**, 200-376, Suppl. 5 pp.; J. Chem. Soc. Lond., 1901, **80**, **2**, 574; Bull. soc. chim. Paris, 1901, [**3**], **26**, 1066; Ztschr. Elektrochem., 1901, **7**, 859.
- 1901: 940. GIESEL. Ueber radio-active Stoffe.
Ber., 1901, **34**, 3772-3776; J. Chem. Soc. Lond., 1902, **82**, **2**, 78; J. Soc. Chem. Ind., 1902, **21**, 76-77; Bull. soc. chim. Paris, 1902, [**3**], **28**, 257; Ztschr. physikal. Chem., 1902, **41**, 636-637; Ztschr. angew. Chem., 1902, **15**, 88-89; Science, 1901, **14**, 1018; Chem. Centrbl., 1902, **73**, **I**, 8-9.
- 1901: 941. KOPPEL. Die Chemie des Thoriums.
Sammlung Chemischer und chemisch-technischer Vorträge, 1901, VI Bd., 303-414; J. Gasbel., 1901, **44**, 868; Die Chemische Industrie, 1901, **24**, 604; Beibl. Ann. der Phys., 1901, **25**, 165 Lit. Uebers.
- 1901: 942. JEFFERSON (Miss). Aromatic bases as precipitants for rare earths metals. Thesis for Ph. D., 1901, University of Pennsylvania.
J. Am. Chem. Soc., 1902, **24**, 540-562; J. Chem. Soc. Lond., 1902, **82**, **2**, 534; J. Soc. Chem. Ind., 1902, **21**, 929; S. of M. Quar., 1902, **24**, 94; Chem. Ztg. Rep., 1902, **26**, 196; Analyst, 1902, **27**, 288.

- 1901: 943. BLUMAN. Monazite from New Granada.
Chem. News, 1901, **84**, 175; J. Chem. Soc. Lond., 1902, **82**, 2, 28;
Bull. soc. chim. Paris, 1902, [3], **28**, 27.
- 1901: 944. BRAUNER. On the existence of a new element associated
with Thorium.
Chem. News, 1901, **84**, 219.
- 1901: 945. WELLS and WILLIS. On the double chlorides of Cæsium
and Thorium.
Am. J. Sci., 1901, [4], **12**, 191-192; J. Am. Chem. Soc., 1901, **23**, in
Review of Am. Chem. Research, 1901, **7**, 200; Nature, 1901, **64**,
548; Chem. Centrbl., 1901, **72**, **11**, 844.
- 1901: 946. BECQUEREL. The Radio-activity of Matter.
Nature, 1900-1901, **63**, 396-398; Science Abstracts, 1901, **4**, 492.
- 1901: 947. BAUR. Die Bedeutung der Becquerelstrahlen in der Chemie.
Naturw. Rundschau, 1901, **16**, 338-340, 355-356; Beibl. Ann. der Phys.,
1901, **25**, 1027-1028; 1901, **25**, 117, 132 Lit. Uebers.
- 1901: 948. ———. Les expériences de Niepèc de Saint-Victor et les
rayons de Becquerel.
Revue Gen. Sci., 1901, **12**, 154-155.
- 1901: 949. CZAPSKI. Atongewichte der Elemente.
Ztschr. anal. Chem., 1901, **14**, 692-696.
- 1901: 950. FOURNIER. Les nouvelles substances radioactives.
Cosmos, 1901, [4], **44**, 742-745.
- 1901: 951. RUTHERFORD. Einfluss der Temperatur auf die "Emana-
tionen" radioaktiver Substanzen.
Phys. Ztschr., 1900-1901, **2**, 429-431; Naturw. Rundschau., 1901, **16**,
343-344; Ztschr. physikal. chem. unterricht, 1901, **14**, 357-358;
Beibl. Ann. der Phys., 1901, **25**, 343-344, 557-558; Science Abstracts,
1901, **4**, 933-934.
- 1901: 952. ELSTER and GERFEL. Weitere Versuche über die Elektriz-
itätszerstreuung in abgeschlossenen Luftmengen.
Phys. Ztschr., 1900-1901, **2**, 560-563; Naturw. Rundschau., 1901, **16**,
487-488.
- 1901: 953. NORTON. Die Einwirkung von Natriumthiosulfat auf Met-
allsalzlösungen bei hohen Temperaturen und Drucken.
Ztschr. anorgan. Chem., 1901, **28**, 223-232.
- 1901: 954. MARTIN. Radio-activity and atomic weight.
Chem. News., 1901, **83**, 130.
- 1901: 955. ROGERS. A list of minerals arranged according to the thirty-
two crystal classes.
S. of M. Quar., 1901, **23**, 79-97; Min. Mitthl., 1902, **21**, 90 Lit.

- 1901 : 956. NOTE. Some chemical mysteries.
Scientific American, 1901, **85**, 146; J. Frankl. Inst., 1901, **152**, 419-420.
- 1901 : 957. SUESS. Die Herkunft der Moldavite und Verwandter Gläser.
Sep. Abdr. Jahrb. K. K. Geol. Reichsanstalt, Wien, 1901, **50**, 193-382;
Min. Mitthl., 1901, **20**, 184; Chem. Centrbl., 1901, **71**, **I**, 591-592.
- 1901 : 958. WHITE and RUSSELL. Relation of Heating to Lighting
Power of Gas with Special Reference to Incandescent Mantles.
Am. Gas Light J. 1901, **74**, 488-491; J. Gas. L., 1901, **77**, 878-881; J.
Soc. Chem. Ind., 1902, **21**, 1020; Progressive Age, 1901, **19**, 85, 118-
122.
- 1901 : 959. ———. Notice of demise of Mr. Waldron Shapleigh.
J. Soc. Chem. Ind., 1901, **20**, 1082-1083.
- 1901 : 960. AUER, FREIHERR VON WELSBACH. Zur Geschichte der
Erfindung des Gasglühlichtes.
Verhandl. XLI Jahresversammlung des Deutschen Vereins von Gas-
und Wasserfächmännern zu Wien, 1901; J. Gasbel., 1901, **44**, 661-
664; J. Soc. Chem. Ind., 1901, **20**, 1097-1098; Chem. Ztg. Rep., 1902,
26, 9; Chem. News, 1902, **85**, 254-256; Gas World, 1901, Oct. 12;
Progressive Age, 1901, **19**, 401, 487, 491; Chem. Centrbl., 1902, **73**,
II, 166.
- 1901 : 961. ———. Bericht der Lichtmess-Kommission. Prüfung von
Glühkörpern.
Verhandl. XLI Jahresversammlung des Deutschen Vereins von Gas-
und Wasserfächmännern zu Wien, 1901; J. Gasbel., 1901, **44**, 697-
699; J. Soc. Chem. Ind., 1901, **20**, 1098; Chem. Ztg. Rep., 1902, **26**,
26; Progressive Age, 1901, **19**, 421.
- 1901 : 962. ———. Monazite sands at Espirito Santo (Brazil).
Great Britain. Foreign Office Annual Series, 1901, No. 2724; J. Soc.
Chem. Ind., 1901, **20**, 1162.
- 1901 : 963. ELSTER and GETTEL. Über eine fernere Analogie in dem
elektrischen Verhalten der natürlichen und der durch Becquerel-
strahlen abnorm leitend gemachten Luft.
Phys. Ztschr., 1900-1901, **2**, 590-593; Naturw. Rundschau, 1901,
16, 568. Science Abstracts 1901, **4**, 1026.
- 1901 : 964. GETTEL. Über die durch atmosphärische Luft induzierte
Radioaktivität.
Phys. Ztschr., 1901-1902, **3**, 76-79.
- 1901 : 965. FEHRLE. Über die Radioaktivität des Thoriumoxyds.
Phys. Ztschr., 1901-1902, **3**, 130-132.
- 1901 : 966. RUTHERFORD. Transmission of Excited Radioactivity.
Bulletin of the American Physical Soc. 1901, **2**, 37-43; Phys. Ztschr.,
1901-1902, **3**, 210-214.

- 1901: 967. RUTHERFORD and ALLEN. Excited Radioactivity and Ionization of Atmospheric Air.
Bulletin of the American Physical Soc., 1902, **2**, 59-66; Phys. Ztschr., 1901-1902, **3**, 225-230.
- 1901: 968. TRAUBE. Jahresberichte der angewandten Chemie und verwandter Gebiete. Jahresbericht über die Fortschritte der physikalischen Chemie und Physik im Jahre 1901.
Chem. Ztg., 1902, **26**, 747-752.
- 1901: 969. N. TARUGI e Q. CHECCHI. Di alcune incertezze nell'applicazione della legge periodica di Mendelejeff.
Gazzetta chim. italiana, 1901, **31**, **II**, 417-445; Chem. Centrbl., 1902, **73**, **I**, 168.
- 1901: 970. NOTE. The radio-activity of matter.
J. Gas L., 1901, **77**, 604.
- 1901: 971. CHANDLER. Notes on Electro-Chemistry.
The Mineral Industry, New York, 1901, **9**, 763-772.
- 1901: 972. MEYER. Magnetisierungszahlen seltener Erden.
Sitzungsber. Akad. d. Wien, math.-naturw. Cl., 1901, **110** Abth. **II**_a, 541-559; Phys. Ztschr., 1901-1902, **3**, 87-88; Beibl. Ann. der Phys., 1901, **25**, 180 Lit. Uebers.
- 1901: 973. EXNER and HASCHEK. Über die ultravioletten Funkenspectra der Elemente. XX Mittheilung.
Sitzungsber. Akad. d. Wien, math.-naturw. Cl., 1901, **110** Abth. **II**_a, 964-987.
- 1901: 974. WYROUBOFF. Sur les colloïdes.
Bull. soc. chim. Paris, 1901, [**3**], **25**, 994-995, 1016-1022; Chem. News, 1902, **85**, 275.
- 1901: 975. BEHRENS. Ein Beitrag zur kenntnis der Metalle der Ceriumgruppe.
Archives néerlandaises des sciences exactes et naturelles, 1901, [**2**], **6**, 67-91; J. Soc. Chem. Ind., 1902, **21**, 368; J. Chem. Soc. Lond., 1902, **82**, **2**, 79-81; Chem. Centrbl., 1902, **73**, **I**, 296-297.
- 1901: 976. BRAUNER. Seltene Erdmetalle.
XI Congress der russischen Naturforscher und Aerzte zu St. Petersburg, II³, Dec. 21, 1901 (Jan. 3, 1902); Chem. Ztg., 1902, **26**, 68.
- 1901: 977. RAMSAY. The Inert Constituents of the Atmosphere.
Brit. Assoc. Adv. Sci., 1901, lxxv; Nature, 1901, **65**, 161-164.
- 1901: 978. BASKERVILLE. Notes on examination of new elements associated with Thorium.
Jour. Elisha Mitchell Sci. Soc., 1901, —; Science, 1901, **14**, 615.
- 1901: 979. ———. Geschichtliches über des Auerlicht.
Techn. Bl. Berlin N^o. 38; Berg. u. H. Ztg., 1901, 55, n. s. **50**, 619.

- 1901: 980. MALLET. Stas Memorial Lecture, pp. 1-56.
Memorial Lectures delivered before the Chemical Society of London.
T. E. Thorpe, London, 1901.
- 1901: 981. BRUNDAGE. German demand for Monazite Sand.
U. S. Consular Reports, 1901, **66**, No. **251**, 581-582; Progressive Age,
1901, **19**, 341.
- 1901: 982. HERZFELD and KORN. Chemie der seltenen Erden. IX
u. 207 S. Berlin, 1901. (A review.)
Beibl. Ann, der Phys., 1901, **25**, 237-238.
- 1901: 983. ———. Le Prix La Caze à M. M. Wyruboff et Verneuil.
C. R., 1901, **133**, 1074-1077; Chem. Ztg., 1901, **26**, 13.
- 1901: 984. ECKSTÄDT. Die Reaktion zwischen Saltpetersäure und
Jodwasserstoff. Mit 6 Figuren im Text.
Ztschr. anorgan. Chem., 1901-1902, **29**, 51-94.
- 1901: 985. CASTELLANI. Das Gasglühlicht. Die Fabrikation der
Glühnetze (Strümpfe). Wien, 120 pp. (A review.)
J. Gasbel., 1901, **44**, 198; Beibl. Ann. der Phys., 1901, **25**, 238; 1901,
25, 36 Lit. Uebers.
- 1901: 986. BOEHM. Die Zerlegbarkeit der Praseodyms und Darstellung
seltener Erden mit Hilfe einer neuen Trennungsmethode. 2
Spectral tafeln und 7 Tabellen. Halle.
J. Gasbel., 1901, **44**, 198.
- 1901: 987. BUNTE. Zur Theorie des Gasglühlichtes.
J. Gasbel., 1901, **44**, 411-412; J. Soc. Chem. Ind., 1901, **20**, 791; Pro-
gressive Age, 1901, **19**, 275.
- 1901: 988. AUER VON WELSBACH. Über die Geschichte der Erfindung
des Gasglühlichtes.
Verhandl. der XXI Jahresversammlung der Deutschen Vereins für
Gas-und Wasserfächmännern zu Wien, 1901; J. Gasbel., 1901, **44**,
485-486; Progressive Age, 1901, **19**, 317, 353.
- 1901: 989. REDNER. Bemerkungen zur Theorie des Gasglühlichtes.
Verhandl. der XXI Jahresversammlung der Deutschen Vereins für
Gas-und Wasserfächmännern zu Wien, 1901; J. Gasbel., 1901, **44**,
486.
- 1901: 990. NOTE. Zur Kenntnis der Osmiumlampe.
J. Gasbel., 1901, **44**, 688-689.
- 1901: 991. DROSSBACH. Zur Theorie des Gasglühlichtes.
J. Gasbel., 1901, **44**, 819-820; Chem. Ztg. Rep., 1902, **26**, 18; Ztschr.
angew. Chem., 1902, **15**, 159; Progressive Age, 1901, **19**, 505; Wag-
ner's Jsb., 1901, **47**, 106.
- 1901: 992. CARO. Über Acetylenglühlicht und Karburierung des
Acetylens.
J. Gasbel., 1901, **44**, 632, 824-827, 847-849.

- 1901 : 993. GENTSCH. Glühkörper für Gasglühlicht, Geschichte und Wesen (book).
J. Gasbel., 1901, **44**, 946.
- 1901 : 994. ———. Monazite.
The Mineral Industry, New York, 1901, **10**, 462.
- 1901 : 995. HENNING. Über radioaktive Substanzen.
Inaugural Dissertation, Vereinigten Friedrichs-Universität Halle-Wittenberg, 1901, pp. 1-41, + 3 tafeln.
- 1901 : 996. KOPPEL. Die Chemie des Thoriums. (A review by Witt.)
Sammlung Chemischer und chemisch-technischer Vorträge, 1901, VI Bd., 303-314 ; Die Chemische Industrie, 1901, **24**, 604.
- 1901 : 997. SAMPTER. ———
Inaugural Dissertation, Berlin, 1901.
- 1901 : 998. SCHILLING. Beiträge zur Chemie des Thoriums.
Inaugural Dissertation, Ruprecht-Karls-Universität, Heidelberg, 1901, pp. 150.
- 1901 : 999. LESHNER. The Rare Elements.
The Mineral Industry, New York, 1901, **10**, 562-575.
- 1901 : 1000. HARRIS. The Mathematical Expression of the Periodic Law.
J. Phys. Chem., 1901, **5**, 577-586 ; Chem. Centrbl., 1902, **73**, I, 164.
- 1901 : 1001. WELLS. Double halides. Generalizations on Double Halogen Salts.
Am. Chem. J., 1901, **26**, 389-408 ; Ztschr. physikal. Chem., 1902, **41**, 372-373.
- 1901 : 1002. BAGARD. Les rayons de Becquerel et de Curie.
Bull. Soc. Ind. Mulhouse, 1901, **71**, 109-120.
- 1901 : 1003. DELAUNAY. Poids atomiques des corps simples.
La Nature, 1901, **56**, 102.
- 1901 : 1004. DROSSBACH. Verfahren zur Herstellung von Glühkörpern durch Verwendung höher oxydierter Thoriumssalze.
Ztschr. Beleucht., 1901, **7**, 130 ; Progressive Age, 1901, **19**, 207.
- 1901 : 1005. KNÖFFLER. Verfahren zur Herstellung von Glühkörpern.
Ztschr. Beleucht., 1901, **7**, 159 ; Progressive Age, 1901, **19**, 227.
- 1901 : 1006. NOTE. Incandescent mantles.
Progressive Age, 1901, **19**, 155-156.
- 1901 : 1007. MASON. Improvement in Welsbach Lights.
U. S. Consular Reports, 1901, **66**, No. 249, 262-265 ; J. Am. Chem. Soc., 1901, **23**, in Review of Am. Chem. Research, 1901, **7**, 181-182.

- 1901: 1008. RICHARDS. A Table of Atomic Weights of Seventy-seven Elements, compiled in April, 1901, from the most Recent Data.
Proc. Am. Acad. Arts and Sci., 1900-1901, **36**, 544-545; J. Am. Chem. Soc., 1901, **23**, in Review of Am. Chem. Research, 1901, **7**, 143; Ztschr. physikal. Chem., 1902, **40**, 109.
- 1901: 1009. NOTE. Discovery of rare earths.
Progressive Age, 1901, **19**, 443.
- 1901: 1010. WEISS. Lecture on use of gas in Welsbach's and comparisons.
Progressive Age, 1901, **19**, 443.
- 1901: 1011. BAILEY. Development of the Incandescent Gas Lighting Industry.
Progressive Age, 1901, **19**, 523, 524-525; 1902, **20**, 3.
- 1901: 1012. ———. Report of the International Committee on Atomic Weights.
J. Chem. Soc. Lond., 1902, **82**, **1**, i-iv.
- 1901: 1013. RASCH. Ein neues Verfahren zur Erzeugung von elektrischem Licht.
Elektrotechn. Ztschr., 1901, **22**, 155-157; Science Abstracts, 1901, **4**, 566-567.
- 1901: 1014. WYROUBOFF. Recherches sur les solutions.
Bull. soc. franç. min., 1901, **24**, 36-71; Beibl. Ann. der Phys., 1901, **25**, 493; 1901, **25**, 87 Lit Uebers.
- 1901: 1015. KOPPEL. Die Chemie des Thoriums. Berlin.
112 Seiten (Seite 303-414 des 6. Bandes der Sammlung Chemischer und chemisch-technischer Vorträge). Stuttgart, 1901. (A review.)
- 1901: 1016. RUTHERFORD and ALLEN. Excited Radioactivity and Ionization of the Atmosphere.
Communicated to the American Physical Soc. Dec. 27, 1901.
- 1902: 1017. MOISSAN. Die Metallcarbide.
Ztschr. Elektrochem., 1902, **8**, 44-48; Am. J. Sci., 1902, [**4**], **13**, 238-240.
- 1902: 1018. CURIE and CURIE. Sur les corps radioactifs.
C. R., 1902, **134**, 85-87; J. Chem. Soc. Lond., 1902, **82**, **2**, 190; Chem. News, 1902, **85**, 71; Chem. Ztg. Rep., 1902, **26**, 93; Am. J. Sci., 1902, [**4**], **13**, 241; Chem. Centrbl., 1902, **73**, **I**, 514-515.
- 1902: 1019. HILLEBRAND. The Composition of Yttrialite, with a criticism of the formula assigned to Thalénite.
Am. J. Sci., 1902, [**4**], **13**, 145-152; J. Chem. Soc. Lond., 1902, **82**, **2**, 270; J. Am. Chem. Soc., 1902, **24**, in Review of Am. Chem. Research, 1902, **8**, 152; Chem. News, 1902, **86**, 68-70; Bull. soc. franç. min., 1902, **25**, 31-32; Min. Mitthl., 1902, **21**, 183 Lit.; Chem. Centrbl., 1902, **73**, **I**, 827.

- 1902: 1020. NOTE. How the Welsbach Light was discovered.
Scientific American, 1902, **86**, 93.
- 1902: 1021. RUTHERFORD and SODDY. The Radio-activity of Thorium Compounds. I. An Investigation of the Radio-active Emanation.
Chem. Soc. Lond. Proc., 1902, **18**, 2-5; J. Soc. Chem. Ind., 1902, **21**, 196-197; Chem. News, 1902, **85**, 24, 55-56; Chem. Ztg., 1902, **26**, 115-116; Chem. Centrbl., 1902, **73**, **I**, 511-513.
- 1902: 1022. ENGLER and WÖHLER. Pseudokatalytische Sauerstoffübertragung.
Ztschr. anorgan. Chem., 1902, **29**, 1-21; J. Soc. Chem. Ind., 1902, **21**, 257-258; Chem. Centrbl., 1902, **72**, **I**, 239-241.
- 1902: 1023. HOFMAN and ZERBAN. Ueber radioactives Thor.
Ber., 1902, **35**, 531-533; J. Chem. Soc. Lond., 1902, **82**, **2**, 211; J. Soc. Chem. Ind., 1902, **21**, 368; Bull. soc. chim. Paris, 1902 [**3**], **28**, 867-868; Chem. Ztg. Rep., 1902, **26**, 57; Ztschr. angew. Chem., 1902, **15**, 285; Chem. News, 1902, **85**, 100-101; Chem. Centrbl., 1902, **73**, **I**, 624.
- 1902: 1024. METZGER. Preliminary note on a new separation of Thorium.
J. Am. Chem. Soc., 1902, **24**, 275-276; Proc. Am. Chem. Soc., 1902, **24**, 14; J. Soc. Chem. Ind., 1902, **21**, 561, 563; J. Chem. Soc. Lond., 1902, **82**, **2**, 431; S. of M. Quar., 1902, **24**, 94-95; Analyst, 1902 **27**, 232; Chem. Centrbl., 1902, **73**, **I**, 1046.
- 1902: 1025. METZGER. A new separation of Thorium from Cerium, Lanthanum, and Didymium, and its application to the analysis of Monazite.
Contributions from the Havemeyer Laboratories; Columbia University, 1902, No. 64; J. Am. Chem. Soc., 1902, **24**, 901-917; S. of M. Quar., 1902, **23**, 212; Columbia University Quarterly, 1902, **4**, 424; Chem. News, 1902, **86**, 218-219, 229-230, 242-244; Chem. Ztg. Rep., 1902, **26**, 309-310; Chem. Centrbl., 1902, **73**, **II**, 1392-1393.
- 1902: 1026. DENNIS and DALES. Contributions to the Chemistry of the Rare Earths of the Yttrium Group.
J. Am. Chem. Soc., 1902, **24**, 401-435; Proc. Am. Chem. Soc., 1902, **24**, 14; J. Chem. Soc. Lond., 1902, **82**, **2**, 456; Chem. News, 1902, **85**, 256-258, 265-266, 285-286, 291-293, 302-304; Chem. Ztg., 1902, **26**, 127; Chem. Centrbl., 1902, **73**, **I**, 1395-6; 1902, **73**, **II**, 336.
- 1902: 1027. BENZ. Ueber die Thoriumbestimmung im Monazitsande.
Ztschr. angew. Chem., 1902, **15**, 297-309; J. Chem. Soc. Lond., 1902, **82**, **2**, 431; J. Soc. Chem. Ind., 1902, **21**, 561, 563; S. of M. Quar., 1902, **24**, 95; Analyst, 1902, **27**, 207; Chem. Centrbl., 1902, **73**, **I**, 1132-1133.

- 1902: 1028. BÖHM. Cerium oxalicum medicinale als Ausgangsmaterial für die Darstellung der Ceritelemente.
Ztschr. angew. Chem., 1902, **15**, 372-380; J. Chem. Soc. Lond., 1902, **82**, **2**, 455-456; J. Soc. Chem. Ind., 1902, **21**, 719-720; Chem. Centrbl., 1902, **73**, **I**, 1194-1195.
- 1902: 1029. RUTHERFORD and SODDY. The radio-activity of thorium compounds. Part II. The cause and nature of radio-activity.
Chem. Soc. Lond. Proc., 1902, **18**, 120-121; Chem. News, 1902, **85**, 261-262; J. Soc. Chem. Ind., 1902, **21**, 795; Chem. Ztg., 1902, **26**, 504; Chem. Centrbl., 1902, **73**, **II**, 6-7.
- 1902: 1030. SODDY. The radio-activity of uranium.
Chem. Soc. Lond. Proc., 1902, **18**, 121-2; Chem. News, 1902, **85**, 262; J. Soc. Chem. Ind., 1902, **21**, 796; Chem. Ztg., 1902, **26**, 504; Chem. Centrbl., 1902, **73**, **II**, 7-8.
- 1902: 1031. GUENTHER. German interests in Monazite in Brazil.
U. S. Consular Reports, 1902, **69**, No. **261**, 364; J. Soc. Chem. Ind., 1902, **21**, 799.
- 1902: 1032. CLARKE. Ninth Annual Report of the Committee on Atomic Weights. Determinations published in 1902.
J. Am. Chem. Soc., 1902, **24**, 201-215; J. Chem. Soc. Lond., 1902, **82**, **2**, 389; Chem. News, 1902, **86**, 25-26, 37-40; Ztschr. physikal. Chem., 1902, **41**, 379-380; Chem. Centrbl., 1902, **73**, **I**, 1038.
- 1902: 1033. WHITE, RUSSELL, and TRAVER. The Theory of the Incandescent Mantle.
Am. Gas Light J., 1902, **76**, 413-416; J. Gas L., 1902, **79**, 892-894.
- 1902: 1034. ———. Production of Asbestos, etc., in 1901.
Eng. and Min. J., 1902, **73**, 760; J. Soc. Chem. Ind., 1902, **21**, 936.
- 1902: 1035. WHITE and TRAVER. Theory of the Incandescent Mantle.
J. Soc. Chem. Ind., 1902, **21**, 1012-1017; J. Am. Chem. Soc., 1902, **24**, in Review of Am. Chem. Research, 1902, **8**, 504-505; Chem. Centrbl., 1902, **73**, **II**, 972.
- 1902: 1036. RUTHERFORD. Versuche über erregte Radioaktivität.
Phys. Ztschr., 1901-1902, **3**, 254-257.
- 1902: 1037. ELSTER and GEITEL. Beschreibung des Verfahrens zur Gewinnung vorübergehend radioaktiver Stoffe aus der atmosphärischen Luft.
Phys. Ztschr., 1901-1902, **3**, 305-310.
- 1902: 1038. GIESEL. Über Becquerelstrahlen und die radioaktiven Substanzen.
Ztschr. Elektrochem., 1902, **8**, 579-585; J. Soc. Chem. Ind., 1902, **21**, 1157; Chem. Centrbl., 1902, **73**, **II**, 725-726.

- 1902: 1039. BILTZ. Zur kenntniss des Perioden-systems der Elemente.
Ber., 1902, **35**, 562-568; J. Chem. Soc. Lond., 1902, **82**, **2**, 201; Chem. Ztg. Rep., 1902, **26**, 65; Bull. soc. chim. Paris, 1902, [**3**], **28**, 867; Chem. Centrbl., 1902, **73**, **I**, 618-619, 1038.
- 1902: 1040. BILTZ. Berichtigung zu der Tabelle über das Perioden-system der Elemente.
Ber., 1902, **35**, 4241.
- 1902: 1041. CURIE. Sur le poids atomique du radium.
C. R., 1902, **135**, 161-163; Bull. soc. chim. Paris, 1902, [**3**], **27**, 1181; Chem. Ztg., 1902, **26**, 744.
- 1902: 1042. RAPPORT DE M. BÉHAL. Sur les travaux de M. Debierne proposé par la Commission des prix pour recevoir le prix Le Blanc et adopté par le Conseil.
Bull. soc. chim. Paris, 1902, [**3**], **27**, 35-36; Chem. Ztg., 1902, **26**, 136.
- 1902: 1043. RICHARDS. A Table of Atomic Weights of Seventy-seven Elements. Compiled in April, 1902, from the most Recent Data.
Proc. Amer. Acad. Arts and Sci., 1901-1902, **37**, 630-631; J. Am. Chem. Soc., 1902, **24**, in Review of Am. Chem. Research, 1902, **8**, 437.
- 1902: 1044. CROOKES. Radioactivity and the Electron Theory.
Roy. Soc. Lond. Proc., 1902, **69**, 413-422; J. Chem. Soc. Lond., 1902, **82**, **2**, 374; Chem. News, 1902, **85**, 109-112; Chem. Centrbl., 1902, **73**, **I**, 842-843.
- 1902: 1045. ARMSTRONG. The Classification of the Elements.
Roy. Soc. Lond. Proc., 1902, **70**, 86-94; J. Chem. Soc. Lond., 1902, **82**, **2**, 553; Chem. News, 1902, **86**, 86-88, 103-106; Chem. Ztg., 1902, **26**, 338-339.
- 1902: 1046. PISSARJEWSKY. Wirkung von Wasserstoffsperoxyd und Natriumhypochlorit auf die Oxyde von Thorium, Zirkonium und Cerium.
Ztschr. anorgan. Chem., 1902, **31**, 359-367; J. Chem. Soc. Lond., 1902, **82**, **2**, 565-566; Chem. Ztg. Rep., 1902, **26**, 197.
- 1902: 1047. STEVENS. Über Metathoriumoxychlorid.
Ztschr. anorgan. Chem., 1902, **31**, 368-372; J. Chem. Soc. Lond., 1902, **82**, **2**, 566; Chem. Ztg. Rep., 1902, **26**, 197; Chem. Centrbl., 1902, **73**, **II**, 336.
- 1902: 1048. KOLB. Eine neue Fällungs- und Trennungsmethode für Thorerde.
J. prakt. Chem., 1902, **66**, 59-61; J. Chem. Soc. Lond., 1902, **82**, **2**, 584; Chem. Ztg. Rep., 1902, **26**, 214; S. of M. Quar., 1902, **24**, 94; Analyst, 1902, **27**, 337; Chem. Centrbl., 1902, **73**, **II**, 610-611.

- 1902: 1049. SCHILLING. Das Vorkommen der Thorerde im Mineralreiche.
Ztschr. angew. Chem., 1902, **15**, 869-882; J. Soc. Chem. Ind., 1902, **21**, 1243-1244; Chem. Centrbl., 1902, **73**, **II**, 883.
- 1902: 1050. GUTBIER. (Review by Brauner.) Studien über das Tellur.
Ztschr. anorgan. Chem., 1902, **31**, 374-381.
- 1902: 1051. DROSSBACH. Über Cerium oxalicum medicinale.
Ztschr. angew. Chem., 1902, **15**, 487-488; Chem. Centrbl. 1902, **73**, **II**, 147.
- 1902: 1052. BRAUNER. Über die Stellung der Elemente der seltenen erden im periodischen System von Mendelejeff.
Ztschr. anorgan. Chem., 1902, **32**, 1-30; Chem. Centrbl., 1902, **73**, **II**, 871-872.
- 1902: 1053. ERDMANN. Der neunte Jahresbericht der Amerikanischen Commission für Atomgewichte. II Mittheilung aus dem anorganisch-chemischen Laboratorium der Kgl. Techn. Hochschule, Berlin.
Ztschr. angew. Chem., 1902, **15**, 669-670; Chem. Centrbl., 1902, **73**, **II**, 317.
- 1902: 1054. BÖHM. Cerium oxalicum medicinale.
Ztschr. angew. Chem., 1902, **15**, 678.
- 1902: 1055. HENNING. Über radioactive Substanzen. 1901. (Auszug aus einer Hallenser Dissertation. Mitgeteilt aus dem Physikalischen Institut in Halle a. S.)
Ann. der Phys. Wied., 1902, **7**, 562-575; J. Chem. Soc. Lond., 1902, **82**, **2**, 297.
- 1902: 1056. PISSARJEWSKY. (Action of Hydrogen Peroxide and Sodium Hypochlorite on oxides of Thorium, Zirconium, and Cerium.)
J. Russ. Phys. Chem. Ges. St. Petersburg, April 25-8 Mai, 1902; Ztschr. angew. Chem., 1902, **15**, 548; Chem. Ztg., 1902, **26**, 530.
- 1902: 1057. NOELTING. Sur quelques indogénides contenant des groupes auxochromiques. Réunion annuelle de la Société Chimique, 1902. Séance du Vendredi, 16 Mai, 1902.
Bull. soc. chim. Paris, 1902, [**3**], **27**, 833-837.
- 1902: 1058. SIEMENS and HALSKE. Darstellung von Thoriummetall.
Deutsche Reichs. Patent, 133,959, July 31, 1900, Berlin; Chem. Ztg., 1902, **26**, 878.
- 1902: 1059. MARC. Terbium.
Ber., 1902, **35**, 389; Chem. News, 1902, **86**, 73-75.

- 1902: 1060. THOMSON. Experiments on Induced-Radioactivity in Air, and on the Electrical Conductivity produced in Gases when they pass through Water.
Phil. Mag., 1902, [6], 4, 352-367.
- 1902: 1061. RUTHERFORD. The Cause and Nature of Radioactivity. Part I.
Phil. Mag., 1902, [6], 4, 370-396; Chem. Centrbl., 1902, 73, II, 874-875.
- 1902: 1062. DROSSBACH. Ueber ultraviolette Absorptionsspectren.
Ber., 1902, 35, 1486-1489; Chem. Ztg. Rep., 1902, 26, 138; Chem. Centrbl., 1902, 73, I, 1311.
- 1902: 1063. RUTHERFORD and Miss H. T. BROOKS. Comparison of the Radiations from Radioactive Substances.
Phil. Mag., 1902, [6], 4, 1-23; J. Chem. Soc. Lond., 1902, 82, 2, 590-591; Chem. Centrbl., 1902, 73, II, 417-418.
- 1902: 1064. VINCENT. On a General Numerical Connexion between the Atomic Weights. [Plates I and II.]
Phil. Mag., 1902, [6], 4, 103-115; J. Chem. Soc. Lond., 1902, 82, 2, 602.
- 1902: 1065. McLENNAN. On a kind of Radioactivity imparted to certain salts by Cathode Rays.
Phil. Mag., 1902, [6], 3, 195-203.
- 1902: 1066. REYNOLDS. Presidential Address to the Chemical Society, March, 1902.
J. Chem. Soc. Lond., 1902, 81, 609-620; Chem. Soc. Lond. Proc., 1902, 18, 77-80.
- 1902: 1067. STONEY. On the Law of Atomic Weights.
Phil. Mag., 1902, [6], 4, 411-416 [Plate IV].
- 1902: 1068. RUTHERFORD. The Cause and Nature of Radioactivity. Part II.
Phil. Mag., 1902, [6], 4, 569-585.
- 1902: 1069. KÖTHNER. Selbststrahlende Materie, Atome und Elektronen.
Ztschr. angew. Chem., 1902, 15, 1153-1168, 1183-1193.
- 1902: 1070. KILLING. Mikroskopische Glühkörper Untersuchungen.
J. Gasbel., 1902, 45, 461; Ztschr. angew. Chem., 1902, 15, 1220.
- 1902: 1071. ALEXANDER. Jahresberichte der angewandten Chemie und verwandter Gebiete. Fortschritte auf dem Gebiete der Gasometrie bezw. Gasmessung und Gasanalyse.
Chem. Ztg., 1902, 26, 781-786.

- 1902: 1072. RUTHERFORD and SODDY. Note on the condensation points of the Thorium and Radium emanations.
Chem. Soc. Lond. Proc., 1902, **18**, 206, 219-220; Chem. Ztg., 1902, **26**, 1204.
- 1902: 1073. RUTHERFORD and SODDY. The Radioactivity of Thorium Compounds. I. An Investigation of the Radioactive Emanation.
J. Chem. Soc. Lond., 1902, **81**, 321-350; Ztschr. physikal. Chem., 1902, **41**, 507-508; Ztschr. angew. Chem., 1902, **15**, 112; Bull. soc. chim. Paris, 1902, [**3**], **28**, 722-723; Chem. Ztg. Rep., 1902, **26**, 115-116; Chem. Centrbl., 1902, **73**, I, 964.
- 1902: 1074. RUTHERFORD and SODDY. The Radioactivity of Thorium Compounds. II. The Cause and Nature of Radioactivity.
J. Chem. Soc. Lond., 1902, **81**, 837-860; Bull. soc. chim. Paris, 1902, [**3**], **28**, 975-977; Chem. Centrbl., 1902, **73**, II, 6, 419-420.
- 1902: 1075. SODDY. The Radioactivity of Uranium.
J. Chem. Soc. Lond., 1902, **81**, 860-865; Bull. soc. chim. Paris, 1902, [**3**], **28**, 977-978; Chem. Centrbl., 1902, **73**, II, 420.
- 1902: 1076. RUTHERFORD and SODDY. Die Ursache und Natur der Radioaktivität.
Ztschr. physikal. Chem., 1902, **42**, 81-109; Chem. Centrbl., 1902, **73**, II, 1290.
- 1902: 1077. SODDY. The Radioactivity of Uranium.
Chem. News, 1902, **86**, 199-200; Chem. Centrbl., 1902, **73**, II, 1290.
- 1902: 1078. RUTHERFORD and Miss H. T. BROOKS. The new gas from Radium.
Trans. Roy. Soc. of Canada, 1902, Series (2), **7**, Section 3, 21-25;
J. Chem. Soc. Lond., 1902, **82**, **2**, 438; Chem. News, 1902, **85**, 196-197; Chem. Centrbl., 1902, **73**, I, 1186.
- 1902: 1079. BRAUNER and PAVLICEK. (Revision of the Atomic Weight of Lanthanum.)
J. Chem. Soc. Lond., 1902, **81**, 1243-1269; Chem. Ztg. Rep., 1902, **26**, 245; Chem. Centrbl., 1902, **73**, II, 883.
- 1902: 1080. BASKERVILLE and LEMLY. Some new reactions of Thorium and allied elements with organic bases.
Proc. Am. Chem. Soc., 1902, **24**, 67.
- 1902: 1081. BASKERVILLE and LEMLY. Department of pure Thorium and allied elements with organic bases.
Proc. Am. Chem. Soc., 1902, **24**, 69.
- 1902: 1082. HOFMANN and WÖLFEL. Über radioactives Stoffe. I. Ueber radioactives Blei.
Ber., 1902, **35**, 1453-1457; J. Chem. Soc. Lond., 1902, **82**, **2**, 397;
Chem. Ztg. Rep., 1902, **26**, 138; Ztschr. angew. Chem., 1902, **15**, 783;
Chem. Centrbl., 1902, **73**, II, 1143-1144.

- 1902: 1083. RUTTEN. Das System Wismutoxyd, Saltpetersäure und Wasser, mit 19 Figuren auf 3 Tafeln.
Ztschr. anorgan. Chem., 1902, **30**, 342-405; J. Chem. Soc. Lond., 1902, **82**, **2**, 386.
- 1902: 1084. PFEIFFER. Die Halogenosalze.
Ztschr. anorgan. Chem., 1902, **31**, 191-234; Chem. Ztg. Rep., 1902, **26**, 197.
- 1902: 1085. GIESEL. Ueber Radium und Radioactive Stoffe.
Ber., 1902, **35**, 3608-3611; Chem. Ztg. Rep., 1902, **26**, 337; Ztschr. angew. Chem., 1902, **15**, 1269-1270; Chem. News, 1902, **86**, 250-251; Chem. Centrbl., 1902, **73**, **II**, 1444-1445.
- 1902: 1086. HOLM. Beiträge zur kenntnis des Cers.
Inaugural-Dissertation. Kgl. Bayer, Ludwig Maximilians-Universität zu München, 1902.
- 1902: 1087. DAVIDSOHN. Beiträge zur Chemie des Thoriums.
Inaugural-Dissertation. Königl. Friedrich-Wilhelms-Universität, Berlin, 1902.
- 1902: 1088. MARSHALL. The Ratios of the Atomic Weights.
Chem. Ztg., 1902, **26**, 663-664; J. Chem. Soc. Lond., 1902, **82**, **2**, 602.
- 1902: 1089. ALOY. Sur une réaction colorée des sels d'uranium et de l'eau oxygénée.
Bull. soc. chim. Paris, 1902, [**3**], **27**, 734-735; J. Chem. Soc. Lond., 1902, **82**, **2**, 609-610.
- 1902: 1090. RUTHERFORD and GRIER. Magnetic Deviation of the Rays of Radioactive Substances.
Communicated to the American Physical Soc. April 21, 1902.
- 1902: 1091. RUTHERFORD and GRIER. Magnetische Ablenkbarkeit der Strahlen von radioaktiven Substanzen.
Phys. Ztschr., 1901-1902, **3**, 385-390.
- 1902: 1092. MARTIN. Mathematical Expression of the Valency Law of the Periodic Table, and the Necessity for Assuming that the Elements of its First Three Groups are Polyvalent.
Chem. News, 1902, **86**, 64-65; J. Chem. Soc. Lond., 1902, **82**, **2**, 649.
- 1902: 1093. DROSSBACH. Beitrag zur Chemie der Monazitbestandtheile.
Ber., 1902, **35**, 2826-2831; J. Chem. Soc. Lond., 1902, **82**, **2**, 659; Ztschr. angew. Chem., 1902, **15**, 1141; Chem. Centrbl., 1902, **73**, **II**, 1242-1243.
- 1902: 1094. CLEVE, ASTRID. Bidrag till kändelomen om Ytterbium.
Öfv. K. Sv. Vet. Akad. förh., 1901, **58**, 573-618.

- 1902 : 1095. GIESEL. Über radioaktive Substanzen und deren Strahlen. Sammlung Chemischer und chemisch-technischer Vorträge, 1902, VII Bd., 1-28, 4 Ill.; Phys. Ztschr., 1901-1902, **3**, 351.
- 1902 : 1096. RUTHERFORD and GRIER. Deviable Rays of Radioactive Substances. Phil. Mag., 1902, [6], **4**, 315-330; J. Chem. Soc. Lond., 1902, **82**, **2**, 637-638.
- 1902 : 1097. ELSTER and GEITEL. Über die Radioaktivität der im Erdboden enthaltenen Luft. Phys. Ztschr., 1901-1902, **3**, 574-577.
- 1902 : 1098. SCHILLING. Die eigentlichen Thoritminerale. Ztschr. angew. Chem., 1902, **15**, 921-929; J. Soc. Chem. Ind., 1902, **21**, 1293; Chem. Centrbl., 1902, **73**, **II**, 1010.
- 1902 : 1099. STAIGMÜLLER. Das periodische System der Elemente. Ztschr. physikal. Chem., 1902, **39**, 245-248; J. Chem. Soc. Lond., 1902, **82**, **2**, 129; Bull. soc. chim. Paris, 1902, [3], **28**, 222-223; Chem. Centrbl., 1902, **73**, **I**, 165.
- 1902 : 1100. ———. Bericht der Internationalen Atomgewichts-Commission. Ztschr. angew. Chem., 1902, **15**, 1305-1307.
- 1902 : 1101. WÄGNER. Die neuentdeckungen auf dem Gebiete der chemischen Grundstoffe seit 1888. Chem. Ztg., 1902, **26**, 1103-1107.
- 1902 : 1102. BÖHM. Die modificirte Chromsäure-Trennungsmethode in ihrer Anwendung auf die Ceritelemente. Ztschr. angew. Chem., 1902, **15**, 1282-1299.
- 1902 : 1103. GLADSTONE and HIBBERT. Colloids of Zirconium, compared with those of other Metals of the Fourth Group. Brit. Assoc. Adv. Sci., 1902, 585-586; Chem. News, 1902, **86**, 175; Chem. Ztg., 1902, **26**, 909-910.
- 1902 : 1104. RUTHERFORD and SODDY. The Radioactivity of Thorium Compounds. I. An Investigation of the radioactive Emanation. Chem. News, 1902, **85**, 271-272, 282-285, 293-295, 304-308.
- 1902 : 1105. RUTHERFORD and SODDY. The Radioactivity of Thorium Compounds. II. The Cause and Nature of Radioactivity. Chem. News, 1902, **86**, 97-101, 132-135, 169-170.
- 1902 : 1106. MARC. Zur Kenntniss des Terbioms. Ber., 1902, **35**, 2382-2390; Chem. Ztg. Rep., 1902, **26**, 210; Chem. Centrbl., 1902, **73**, **II**, 498.

- 1902: 1107. ———. Twentieth Annual Report of the Committee on Indexing Chemical Literature.
Proc. Am. Assoc. Adv. Science, 1902, **51**, 560-585; Chem. News, 1902, **86**, 13-15.
- 1902: 1108. ELSTER and GEITEL. Radioactivité dans l'air atmosphérique.
Arch. sci. nat., 1902, [**4**], **13**, 113-128; Chem. Centrbl., 1902, **73**, I, 698-699.
- 1902: 1109. BECQUEREL. "Sur les corps radioactifs."
Royal Institution, March 7, 1902; Chem. News, 1902, **85**, 96, 108, 169-172.
- 1902: 1110. CLEVE, ASTRID. Beiträge zur Kenntnis des Ytterbiums.
Ztschr. anorgan. Chem., 1902, **32**, 129-163; J. Chem. Soc. Lond., 1902, **82**, **2**, 659-660; Chem. News, 1902, **86**, 248-249, 262-263, 275-277, 285-287, 287-302, 311-312; Chem. Ztg. Rep., 1902, **26**, 1-2, 261-262.
- 1902: 1111. P. CURIE et Mme. CURIE. Sur les corps radioactifs.
C. R., 1902, 134, 85-87; Chem. News, 1902, **85**, 71.
- 1902: 1112. HARTLEY. The Absorption-Spectra of Metallic Nitrates. Part I.
J. Chem. Soc. Lond., 1902, **81**, 556-574; Chem. Soc. Lond. Proc., 1902, **18**, 62, 67-68, 239; Bull. soc. chim. Paris, 1902, [**3**], **28**, 871; Chem. News, 1902, **85**, 162; Chem. Centrbl., 1902, **73**, **1**, 1037; 1902, **73**, **II**, 1311.
- 1902: 1113. HARTLEY. The Absorption-Spectra of Metallic Nitrates. Part II.
Chem. Soc. Lond. Proc., 1902, **18**, 221, 239-240; J. Chem. Soc. Lond., 1903, **83**, 221-246; Chem. News, 1902, **86**, 270, 303.
- 1902: 1114. ———. Report of the Committee on the Atomic Weight of Thorium. Award to Charles Baskerville. \$50.
Proc. Am. Assoc. Adv. Science, 1902, **51**, 568.
- 1902: 1115. RUTHERFORD. Sehrdurehdringende Strahlen von radioaktiven Substanzen.
Phys. Ztschr., 1901-1902, **3**, 517-520.
- 1902: 1116. HARTLEY. Wave-Length Tables of the Spectra of the Elements and Compounds.
Report of the Committee, consisting of Sir H. E. Roscoe (chairman), Dr. Marshall Watts (secretary), Sir J. N. Lockyer, Professor J. Dewar, Professor G. D. Liveing, Professor A. Schuster, Professor W. N. Hartley, Professor Wolcott Gibbs, and Captain Sir W. De W. Abney. Brit. Assoc. Adv. Sci., 1902, 137-174; Chem. Ztg., 1902, **26**, 909-910.

- 1902: 1117. ACKROYD. The Telluric Distribution of the Elements in Relation to their Atomic Weights.
Brit. Assoc. Adv. Sci., 1902, 581; Chem. News, 1902, **86**, 187-188.
- 1902: 1118. BRAUNER. "On Position of Rare Earths in Mendelejeff's periodical system of the elements."
J. Russ. Phys. Chem. Ges., 1902, **34**, 2; Nature, 1902, **66**, 66.
- 1902: 1119. McLENNAN and BURTON. Some Experiments on the Electrical Conductivity of Atmospheric Air.
Proc. of the American Physical Soc., 1902, Dec. 31; The Physical Review, 1903, **16**, 174, 184-192.
- 1902: 1120. McLENNAN. Induced Radioactivity Excited in Air at the Foot of Waterfalls.
Proc. of the American Physical Soc., 1902, Dec. 31; The Physical Review, 1903, **16**, 173, 238-243.
- 1902: 1121. GEIPEL. Krystallographisch-optische Studien an synthetisch dargestellten Verbindungen.
Ztschr. Kryst., 1902, **35**, 608-628; Min. Mitthl., 1902, **21**, 364 Lit.
- 1902: 1122. DERBY. On the Occurrence of Monazite in Iron Ore and in Graphite.
Am. J. Sci., 1902, [**4**], **13**, 211-212; J. Am. Chem. Soc., 1902, **24**, in Review Am. Chem. Research, 1902, **8**, 205; J. Chem. Soc. Lond., 1902, **82**, **2**, 331.
- 1902: 1123. RUTHERFORD and ALLEN. Excited Radioactivity and Ionization of the Atmosphere.
Phil. Mag., 1902, [**6**], **4**, 704-723.

LIST OF JOURNALS EXAMINED.

- Abstr. Papers Roy. Soc. London.
 Abstracts of the Papers Communicated to the Royal Society of London.
 1800-1854, 6 vols.
- Aflh. Fys. Kemi.
 Afhandlingar i Fysik, Kemi och Mineralogi. Stockholm, 1818, Vols. 5, 6.
- Chem. Ztg.
 Allgemeine Chemiker Zeitung, mit Handelsblatt, Cöthen. 1877-1885, 9 vols.
 Continued under the title Chemiker Zeitung. 1886-1899, 14 vols.
- Proc. Am. Acad. Arts and Sci.
 American Academy of Arts and Sciences. Proceedings. 1846-1901, 37 vols.
- Am. Chem.
 American Chemist. 1870-1877, 6 vols. and 6 nos.
- Am. Chem. J.
 American Chemical Journal. 1879-1901, 26 vols.
- J. Am. Chem. Soc.
 American Chemical Society. Journal. 1879-1902, 24 vols.
- Am. Gas Light J.
 American Gas Light Journal. 1884-1900, vols. 40-73.
- Trans. Amer. Inst. M. E.
 American Institute of Mining Engineers. Transactions. 1871-1901, 3 vols.
- Am. J. Sci.
 American (The) Journal of Science (Silliman). 1818, 1 vol.
 Continued under the title American (The) Journal of Science and Arts.
 1820-1845, 49 vols.
 1846-1870, 2° series, 50 vols.
 1871-1879, 3° series, 18 vols.
 Continued under the title American (The) Journal of Science.
 1880-1895, 3° series, 32 vols.
 1896-1902, 4° series, 13 vols.
- Bulletin of the American Physical Soc.
 American Physical Society. Bulletin. 1899-1902, 3 vols.
- Analyst.
 Analyst (The). 1877-1902, 27 vols.
- Ann. der Pharm.
 Annalen der Pharmacie. 1832-1839, 32 vols.
- Ann. Chem. (Liebig).
 Continued under the title Annalen der Chemie und Pharmacie.
 1840-1873, 136 vols.
 Continued under the title Justus Liebig's Annalen der Chemie und
 Pharmacie. 1873-1901, 151 vols.
 Supplement-Bände. 1861-1872, 8 vols.

Ann. chim. phys.

Annales de chimie et de physique.

1816-1840, 2° series, 75 vols.

1841-1863, 3° series, 69 vols.

1864-1873, 4° series, 30 vols.

1874-1883, 5° series, 30 vols.

1884-1893, 6° series, 30 vols.

1894-1901, 7° series, 24 vols.

Ann. der Phys. Pogg.

Annalen der Physik und Chemie.

1824-1833, 1° series, 30 vols.

1834-1843, 2° series, 30 vols.

1844-1853, 3° series, 30 vols.

1854-1863, 4° series, 30 vols.

1864-1873, 5° series, 30 vols.

1874-1877, 6° series, 10 vols.

Ann. der Phys. Wied.

1877-1899, [7], Neue Folge, 69 vols.

Ann. der Phys. Drude.

Continued under the title Annalen der Physik.

1900-1901, [8], Vierte Folge, 6 vols.

Beibl. Ann. der Phys.

Beiblätter zu den Annalen der Physik und Chemie. 1877-1899, 23 vols.

Continued under the title Beiblätter zu den Annalen der Physik.

1900-1901, 2 vols.

Ann. der Phys. Pogg.

Ergänz. Ergänzungsbände. 1842-1878, 8 vols.

Jubilb. Jubelband. 1874, 1 vol.

Ann. mines.

Annales des mines.

1816-1826, 1° series, 13 vols.

1827-1831, 2° series, 8 vols.

1832-1841, 3° series, 20 vols.

1842-1851, 4° series, 20 vols.

| | | |
|----------|---|--------------------------------|
| Mémoires | { | 1852-1861, 5° series, 20 vols. |
| | | 1862-1871, 6° series, 20 vols. |
| | | 1872-1881, 7° series, 20 vols. |
| | | 1882-1891, 8° series, 20 vols. |
| | | 1892-1901, 9° series, 18 vols. |

Ann. Phil. Thomson.

Annals of Philosophy. 1813-1826, 28 vols.

L'année scientif.

Année (L') scientifique et industrielle. 1857-1877, 21 vols.

Annuaire sci. chim.

Annuaire des sciences chimiques ou Rapport sur les progrès des sciences naturelles présenté à l'académie Stokolm [sic] par Berzelius. Supplément à son Traité de Chimie, Traduit en Français par H. D. Paris, 1837, 1 vol.

Annuaire de chimie.

Annuaire de chimie. Millon and Reiset. 1845-1851, 7 vols.

Arch. ges. Naturl.

Archiv für die gesammte Naturlehre. 1824-1830, 18 vols.

Archiv. für Chem. (Kastner).

Continued under the title Archiv für Chemie und Meteorologie.
1830-1835, 9 vols.

Archiv Bergbau.

Archiv für Bergbau und Hüttenwesen. 1818-1831, 20 vols.

Continued under the title Archiv für Mineralogie, Geognosie, Bergbau
und Hüttenkunde. 1829-1855, 26 vols.

Arch. sci. phys.

Bibliothèque universelle.

Archives des sciences physiques et naturelles, Genève.

1846-1857, 36 vols.

1858-1878, nouvelle période, 64 vols.

1878-1895, 3^e series, 34 vols.

1896-1899, 4^e series, 8 vols.

Årsb. Phys. Kemi.

Årsberättelse om Framstegen i Physik och Kemi till Kongliga Vetenskaps
Akademien. 1821-1840, 20 vols.

Årsb. Kemi.

Continued under the title Årsberättelse om Framstegen i Kemi och
Mineralogi. 1841-1847, 7 vols.

Continued under the title Årsberättelse om Framstegen i Kemi.
1847-1849, 3 vols.

Berg u. H. Ztg.

Berg-und Hüttenmännische Zeitung.

1842-1846, 5 vols.

1847-1901, 55 vols.

Bibl. univ.

Bibliothèque universelle des sciences, belles lettres et arts "classe sciences
et arts." 1816-1835, 60 vols.

Boston J. Chem.

Boston Journal of Chemistry. 1869-1880, vols. 4-14.

Continued under the title Boston Journal of Chemistry and Popular
Science Review. 1881, 1882, 2 vols.

Pop. Sci. News.

Continued under the title Popular Science News and Boston Journal of
Chemistry. 1883-1898, vols. 4-16.

Boston J. Nat. Hist.

Boston Journal of Natural History. 1845-1863, vols. 5-7.

Brit. Assoc. Adv. Science.

British Association for the Advancement of Science. 1831-1901, 71 vols.

Bull. de pharm.

Bulletin de pharmacie. 1809-1814, 6 vols.

J. de pharm.

- Continued under the title *Journal de pharmacie et des sciences accessoires*.
 1815-1841, 2° series, 27 vols.
Journal de pharmacie et de chimie.
 1842-1864, 3° series, 46 vols.
 1865-1879, 4° series, 30 vols.
 1880-1894, 5° series, 30 vols.
 1895-1901, 6° series, 14 vols.

Chem. News.

- Chemical News (The)*. 1860-1902, 86 vols.

Chem. News (Am. repr.).

- Chemical News and Journal of Physical Science (American reprint)*. 1867-1870, 6 vols. and 6 nos.

Chem. Gaz.

- Chemical Gazette*. 1842-1859, 17 vols.

Chem. Soc. (Lond.) Proc.

- Chemical Society of London*.
Proceedings. 1841-1843, 1 vol.
Memoirs and Proceedings. 1843-1848, 2 vols.

Q. J. Chem. Soc. (Lond.).

- Quarterly Journal of the Chemical Society of London*. 1849-1862, 14 vols.

J. Chem. Soc. (Lond.).

- Journal of the Chemical Society of London*.
 1862, 1 vol.
 1863-1875, n. s., 13 vols.
 1876, 3° series, 2 vols.
 1877, 4° series, 2 vols.
 1878-1892, 5° series, 30 vols.
 1893-1902, 6° series, 32 vols.

Chem. Soc. (Lond.) Proc.

- Proceedings of the Chemical Society of London*. 1885-1901, 17 vols.

Chem. Centrbl.

- Chemisches Centralblatt*. See *Pharmaceutisches Centralblatt*.

Chem. Ind. (Jacobsen).

- Chemische (Die) Industrie*. 1878-1901, 24 vols.

Chem. Ztg. Rep.

- Chemisches Repertorium (Supplement zur "Chemiker Zeitung")*.
 1886-1902, 17 vols.

Chem-techn. Mitthl.

- Chemisch-technischen Mittheilungen (Die) der neuesten Zeit (Elsner)*.
 1846-1881, 37 vols.

Chemist (Watt).

- Chemist (The)*. 1840-1858, 16 vols., excepting 1840, 1842, 1852-1853, 3 vols.

Proc. Col. Sci. Soc.

- Colorado Scientific Society. Proceedings*. 1883-1896, 5 vols.

- C. r.
(Comptes rendus. See Institut de France.)
- C. r. mensuels.
Comptes rendus mensuels des réunions de la société de l'industrie minérale.
1877-1901, 17 vols.
- Congrès intern. phys.
Congrès international physique. 1900, 3 vols.
- Cosmos.
Cosmos. 1885-1901, 45 vols.
- Dana's Min.
Dana's Mineralogy. 1874, 5th edit.
Dana's Mineralogy. Appendix III to 5th edit.
Dana's Mineralogy. Appendix I, 1899 edit.
- Ber.
Deutsche chemische Gesellschaft zu Berlin, Berichte.
1868-1902, 35 years, 90 vols.
- Edin. J. Sci.
Edinburgh (The) Journal of Science. 1824-1829, 10 vols.
- Edin. Phil. J.
Edinburgh Philosophical Journal. 1819-1826, 14 vols.
Continued under the title The Edinburgh New Philosophical Journal.
1826-1854, 57 vols.
1855-1864, 19 vols.
- Acta Societatis Scientiarum Fennicæ.
Finska Vetenskaps Akademien. Acta Societatis Scientiarum fennicæ.
1842-1875, vols. 1-10.
- Gazzetta chim. italiana.
Gazzetta chimica italiana. 1871-1889, 19 vols.
- Geol. Fören. Förh.
Geologiska Föreningens i Stockholm Förhandlingar. 1872-1898, 20 vols.
- Giorn. min.
Giornale di mineralogia, cristallografia e petrografia. Milano.
1890-1894, 5 vols.
- Gmelin-Kraut, Handb. anorg. Chemie.
Gmelin-Kraut, Handbuch der anorganische Chemie.
1872, vol. I².
1877, vol. I.
1874-1886, vol. II¹.
1875, vol. III.
1897, vol. II¹.
- Archives néerlandaises des sciences exactes et naturelles.
Hollandsche maatschappij der wetenschappen te Haarlem.
Archives néerlandaises des sciences exactes et naturelles. 1890, vol. 24.
- Industries and Iron.
Industries and Iron. London, 1887, 2 vols.

Il Nuovo Cim.

Il Nuovo Cimento.

1855-1868, 28 vols.

1869-1876, 2° series, 16 vols.

1877-1894, 3° series, 36 vols.

Императорская Академія Наукъ, Санктпетербургъ.

(Imperial Academy of Sciences, St. Petersburg, Russia.)

Mém. VI^e Sér. Sc. math.-phys. et nat.

Mémoires de l'Académie impériale des sciences de Saint-Pétersbourg. Sixième Série. Sciences mathématiques, physiques et naturelles. 2 tomes, 1831-1833.

Mém. VI^e Sér. Sc. math. et phys.

Mémoires de l'Académie impériale des sciences de Saint-Pétersbourg. Sixième Série. Sciences mathématiques, physiques et naturelles. Tomes III-IX. Première partie. Sciences mathématiques et physiques. Tomes I-VII, 1838-1859.

Mém. VI^e Sér. Sc. nat.

Mémoires de l'Académie impériale des sciences de St.-Pétersbourg. Sixième Série. Sciences mathématiques, physiques et naturelles. Seconde partie. Sciences naturelles. Tomes I (III)-VIII (X), 1835-1859.

Mém. des sav. étr. Записки Постороннихъ Ученыхъ.

Mémoires présentés à l'Académie impériale des sciences de St.-Pétersbourg par divers savans et lus dans ses assemblées. Tomes I-IX, 1831-1859.

Mém. VII^e Sér.

Mémoires de l'Académie impériale des sciences de Saint-Pétersbourg VII^e Série. Tomes I-XXIX, 1859-1881.

Mém. VIII^e Sér.

Mémoires de l'Académie impériale des sciences de Saint-Pétersbourg. VIII^e Série. Classe des sciences physiques et mathématiques. Tomes 1-9, 1895-1901.

R. d. actes.

Recueil des actes des séances publiques de l'Académie impériale des sciences de Saint-Pétersbourg, tenues depuis 1827 jusqu'à 1848. Vingt et un volumes, 1828-1849.

Compte-rendu.

Compte-rendu de l'Académie impériale des sciences de St.-Pétersbourg, précédé de l'état de son personnel. Années 1849-1857. Huit volumes, 1850-1858.

Bull. Sc.

Bulletin scientifique, publié par l'Académie impériale des sciences de Saint-Pétersbourg. 10 tomes, 1837-1842.

Bull. phys.-math.

Bulletin de la classe physico-mathématique de l'Académie impériale des sciences de St.-Pétersbourg. Tomes I-XVII, 1843-1859.

Bull. de l'Acad.

Bulletin de l'Académie impériale des sciences de St.-Petersbourg. Tomes I-XLVI.

1860-1888, 32 vols.

1889-1894, nouv. sér., 3 vols.

1894-1899, 5^e sér., 11 vols.

The 5th series has a Russian title besides—

Извѣстія Императорской Академіи Наукъ.

Mél. phys. et chim.

Mélanges physiques et chimiques, tirés du Bulletin physico-mathématique de l'Académie impériale des sciences de St.-Petersbourg. 1849-1894, 13 vols.

Tableau général méthodique et alphabétique des matières contenues dans les publications de l'Académie impériale des sciences de St.-Petersbourg depuis sa fondation.

1^{re} Partie. Publications en langues étrangères, 1872 (contains all papers in foreign tongue to 1870 inclusive).

Supplément I. Publications en langues étrangères, 1871 à 1 Nov., 1881.

Catalogue des livres publiés en langues étrangères par l'Académie impériale des sciences de St.-Petersbourg. 1867, 121 pages, followed by supplément (no date), probably about 1867, 2 pages.

Supplément I. aux catalogues des livres publiés en langues russe et étrangères par l'Académie impériale des sciences de St.-Petersbourg. 1869.

Supplément II. aux catalogues des livres publiés en langues étrangères par l'Académie impériale des sciences de St.-Petersbourg. (Édition de 1867.)

Catalogue des livres publiés par l'Académie impériale des sciences. 1876.

I. Publications en langue russe.

Catalogue des livres publiés par l'Académie impériale des sciences. 1877.

II. Publications en langues étrangères.

Catalogue des livres publiés par l'Académie impériale des sciences. 1888.

I. Publications en langue russe.

C. R.

Institut de France. "Comptes rendus hebdomadaires des séances de l'Académie des sciences."

Paris, 1835-1902, 135 vols., and 2 supplements, 1856, 1861.

Jahrbuch Chem.

Jahrbuch der Chemie, Meyer. 1891, vol. 8.

Jahrb. Min.

Jahrbuch für Mineralogie, Geognosie, Geologie und Petrefaktenkunde. 1830-1832, 3 vols.

Continued under the title Neues Jahrbuch für Mineralogie, Geognosie, Geologie und Petrefaktenkunde.

1833-1862, 30 vols.

Continued under the title Neues Jahrbuch für Mineralogie, Geologie und Paläontologie.

1863-1902, 61 vols.

Jahrb. Min. Beiläge Band.

Beiläge Bände. 1881-1902, 15 vols.

Jahrb. Erfind.

Jahrbuch der Erfindungen und Fortschritte auf den Gebieten der Physik und Chemie, etc. 1865-1901, 37 vols.

Wagner's Jsb.

Jahresbericht über die Fortschritte der chemischen Technologie (Wagner). 1855-1901, 49 vols.

Berzelius Jsb.

Jahresbericht über die Fortschritte der physischen Wissenschaften. 1822-1841, 20 vols.

Continued under the title Jahresbericht über die Fortschritte der Chemie und Mineralogie. 1842-1851, 10 vols.

Jsb. Chem.

Jahresbericht über die Fortschritte der reinen, pharmaceutischen und technischen Chemie, Physik, Mineralogie und Geologie.

1847-1893, II, 56 vols.

1896-1897, 6 vols.

Jsb. rein. Chem.

Jahresbericht über die Fortschritte auf dem Gebiete der reinen Chemie. 1873-1881, 9 vols.

J. anal. Chem.

Journal of Analytical Chemistry. 1887-1893, 7 vols.

J. für Chem. (Schweigger).

Journal für Chemie und Physik (Schweigger). (See Neues allgemeines Journal der Chemie.)

J. Chem. Soc. (Lond.).

Journal of the Chemical Society of London. (See Chemical Society of London.)

J. Frankl. Inst.

Journal of the Franklin Institute, etc.

1826-1827, 4 vols.

1828-1840, 2° series, 26 vols.

1841-1901, 3° series, 152 vols.

J. Gas L.

Journal of Gas Lighting, Water Supply, and Sanitary Improvements, London. 1885-1899, vols. 45-73², 31 vols.

J. Gasbel.

Journal für Gasbeleuchtung und verwandte Beleuchtungsarten, 1893-1895, vols. 36-38 and 1897-1901, 40-44, inclusive.

J. de pharm.

Journal de pharmacie et des sciences accessoires. (See Bulletin de pharmacie.)

J. prakt. Chem.

Journal für praktische Chemie (Erdmann.) (See Neues allgemeines Journal der Chemie.)

Jour. phys.

Journal de physique théorique et appliquée.

1882-1891, 2^o series, 10 vols.1892-1901, 3^o series, 10 vols.

Журн. Русск. Хим. Общ.

Журналъ Русскаго Химическаго Общества.

[Journal of the Russian Chemical Society.] St. Petersburg, 1869-1872,

Vols 1-4 continued under the title:

Журн. Русск. Хим. Общ. и Физ. Общ.

Журналъ Русскаго Химическаго Общества и Физическаго Общества при Императорскомъ С.-Петербургскомъ Университетѣ.

[Journal of the Russian Chemical Society and of the Physical Society

of the Imperial University of St. Petersburg. St. Petersburg, 1873-1878, Vols 5-10 continued under the title:

Журн. Русск. Физ.-Хим. Общ.

Журналъ Русскаго Физико-Химическаго Общества при Императорскомъ С.-Петербургскомъ Университетѣ.

[Journal of the Russian Physico-Chemical Society of the Imperial University of St. Petersburg.] St. Petersburg, 1879-1884 Vols 1-16.

Soc. franç. phys. Séances.

Séances de la société française de physique. 1873-1900, 28 vols.

J. techn. Chem.

Journal für technische und ökonomische Chemie. 1828-1833, 18 vols.

Sitzungsber. Akad. d. Wien, math.-naturw. cl.

Kaiserliche Akademie der Wissenschaften, Wien. Sitzungsberichte, mathematisch-naturwissenschaftliche classe. 1848-1901, 110 vols.

Acta Universitatis Lund.

Regia Academia Carolina, Lund, Sweden. Acta Universitatis Lundensis.

Lunds Universitets Års-Skrift. 1864-1900, 36 vols.

Berichte Königl. Akad. d. Wiss., Berlin.

Königliche Akademie der Wissenschaften zu Berlin. Bericht über die zur Bekanntmachung geeigneten Verhandlungen. 1836-1855, 19 vols.

Monatsberichte Königl. Akad. d. Wiss., Berlin.

Monatsberichte. 1856-1881, 26 vols.

Sitzungsber. Königl. Akad. d. Wiss., Berlin.

Sitzungsberichte. 1882-1901, 37 vols.

Sitzungsber. bayr. Akad. d. Wiss.

Königlich bayerische Akademie der Wissenschaften. München. Sitzungsberichte. 1860-1870, 21 vols.

Sitzungsber. böhm. Gesells. d. Wiss.

Königlich böhmische Gesellschaft der Wissenschaften in Prag. Sitzungsberichte. 1879-1891, 13 vols.

Nachricht von G. A. Univ. Göttingen.

Königliche Gesellschaft der Wissenschaften zu Göttingen. Nachrichten von der Georg Augustus Universität und der Königliche Gesellschaft der Wissenschaften zu Göttingen. 1846, 11.

Videnskab. Selskabs Skrifter.

Det Konggelige Danske Videnskabernes Selskabs Skrifter "Naturvidenskabelig og Mathematisk Afdeling" Kjöbenhavn.
1868-1880, 5^o series, vols. 7-12, inclusive.

Kongl. Sv. Vet. Acad. Handl.

Kongliga Svenska Vetenskaps Akademiens Handlingar. Stockholm.
1813-1896, 73 vols.

Bihang till Kongl. Sv. Vet. Akad. Handl.

Bihang till Kongliga Svenska Vetenskaps Akademiens Handlingar.
1872-1900, 25 vols.

Öfv. K. Sv. Vet. Akad. Förh.

Öfversigt af Kongliga Vetenskaps-Akademiens Förhandlingar.
1844-1900, 57 vols.
1901, vol. 58, Nos. 1-5.

Ztschr. Chem.

Kritische Zeitschrift für Chemie, Physik und Mathematik. 1858, 1 vol.
Continued under the title Kritische Zeitschrift für Chemie, Physik, Mathematik und die verwandten Wissenschaften, etc. 1859, 1 vol.
Continued under the title Zeitschrift für Chemie und Pharmacie.
1860-1864, 5 vols.
Continued under the title Zeitschrift für Chemie. 1865-1871, 7 vols.

La Nature.

La Nature. 1873-1901, 57 vols.

Kokscharow. Materialien z. Min. Russ.

Materialien zur Mineralogie Russlands, Kokscharow. 1853-1878, 8 vols.

Min. Mag.

Mineralogical (The) Magazine and Journal of the Mineralogical Society of Great Britain and Ireland.
1876-1902, No. 60, 13 vols.

Min. Mitth.

Mineralogische Mittheilungen (Tschermak). 1871-1877, 7 vols.
Continued under the title Mineralogische und petrographische Mittheilungen. 1878-1902, 21 vols.

The Mineral Industry.

Mineral Industry (The). New York, 1901, vol. 10.

Monatsh. Chem.

Monatshefte für Chemie und verwandter theile anderer wissenschaften.
1880-1901, 22 vols.

Monit. sci. (Quesneville).

Moniteur scientifique, Quesneville. (See Revue scientifique et industrielle.)

Nature.

Nature. 1869-1901, 65 vols.

Naturw. Rundschau.

Naturwissenschaften Rundschau. 1886-1901, 16 vols-

N. allg. J. Chem. (Gehlen).

Neues allgemeines Journal der Chemie (Gehlen). 1803-1806, 6 vols.

J. für Chem. (Gehlen).

Continued under the title *Journal für die Chemie, Physik und Mineralogie*.
1806-1810, 9 vols.

J. für Chem. (Schweigger).

Continued under the title *Journal für Chemie und Physik*.
1811-1833, 69 vols.

J. prakt. Chem.

Continued under the title *Journal für praktische Chemie*.
1834-1901, 172 vols.

Nova Acta Soc. Sci. Upsala.

Kongliga Vetenskaps Societeten. *Nova Acta Regiæ Societatis Scientiarum
Upsaliensis*. 1851-1891, 3^o series, 14 vols., and volumen extra ordinem
editum, 1877.

Ostwald's Klassiker der Exakten Wissenschaften.

Ostwald's *Klassiker der Exakten Wissenschaften*. 1895, Nr. 66, Nr. 68.

Pharm. Centrbl.

Pharmaceutisches Centralblatt. 1830-1849, 20 vols.

Chem. Centrbl.

Continued under the title *Chemisch-pharmaceutisches Centralblatt*.
1850-1855, 5 vols.

Continued under the title *Chemisches Centralblatt*. 1856-1902, 62 vols.

Pharm. J.

Pharmaceutical Journal and Transactions. 1841-1878, 37 vols.

Phil. Mag.

Philosophical (The) Magazine and Journal. 1815-1826, 24 vols., and num-
bered as vols. 45-68.

Continued under the title *The Philosophical Magazine or Annals of
Chemistry [etc.]*. 1827-1832, 11 vols.

Continued under the title *London and Edinburgh Philosophical Maga-
zine and Journal of Science*. 1832-1840, 16 vols.

Continued under the title *London, Edinburgh and Dublin Philosophical
Magazine and Journal of Science*.

1840-1850, 3^o series, 21 vols.

1851-1875, 4^o series, 50 vols.

1876-1900, 5^o series, 50 vols.

1901-1902, 6^o series, 4 vols.

Fortschr. Phys.

Physikalische Gesellschaft zu Berlin. *Fortschritte (Die) der Physik*.
1845-1900, 56 years, 87 vols.

Verhandlungen.

1895-1898, vols. 14-17.

1899-1901, vols. 1, 2, 3.

Polyt. Centrbl.

Polytechnisches Centralblatt. 1835-1846, 13 vols.

Phys. Ztschr.

Physikalische Zeitschrift, Leipzig. 1899-1902, 3 vols.

Polyt. J. (Dingler).

Polytechnisches Journal.

1820-1833, 50 vols.

1834-1846, Neue Folge, 50 vols.

1846-1858, 3° series, 50 vols.

1859-1871, 4° series, 50 vols.

1871-1874, 5° series, 11 vols.

Dingl. pol. J.

Continued under the title Dingler's polytechnisches Journal.

1874-1883, 5° series, 39 vols.

1884-1896, 6° series, 50 vols.

1896-1901, 7° series, 16 vols.

Polyt. Notizblatt.

Polytechnisches Notizblatt für Chemiker, Gewerbtreibende, Fabrikanten und Künstler (Böttger). 1846-1885, 40 vols.

Pop. Sci. News.

Popular Science News and Boston Journal of Science. (See Boston Journal of Science.)

Chem. Soc. (Lond.) Proc.

Proceedings and Memoirs of the Chemical Society of London. (See Chemical Society of London.)

Progressive Age.

Progressive Age. 1899-1901, Vols. 17-19.

Q. J. Chem. Soc. (Lond.).

Quarterly Journal of the Chemical Society of London. (See Chemical Society of London.)

Quar. J. Sci.

Quarterly (The) Journal of Science. 1864-1878, 15 vols.

J. Sci. and Annals Biol.

Continued under the title Journal (The) of Science and Annals of Astronomy, Biology [etc.]. 1879-1885, 7 vols.

Rammelsberg's Min. Chem.

Rammelsberg's Mineral Chemie 1875, 2d edition.

Rammelsberg's Min. Chem. 1886, Ergänzt. I.

Rammelsberg's Mineral Chemie 1886, Ergänzungsheft I.

Rammelsberg's Min. Chem. 1895, Zweites Suppl.

Rammelsberg's Mineral Chemie 1895, Zweites Supplement.

Årsb. Phys. Kemi. (Rapport annuel, etc.).

Rapport annuel sur les progrès des sciences physiques et chimiques présenté à l'académie royale des sciences de Stockholm par J. Berzelius, Traduit du Suédois par Ph. Plantamour. 1841-1844, 4 vols.

Continued under the title Rapport annuel sur les progrès de la chimie, présenté à l'académie royale des sciences de Stockholm par J. Berzelius, Traduit du Suédois par Ph. Plantamour. 1845-1846, 2 vols.

R. acad. Lincei.

Reale accademia dei lincei, Roma.

Atti [serie 1] dell' Accademia pontificia de' nuovi Lincei. 1847-1873, 26 vols. Roma, 1851-1873.

Atti [serie 2]. Memorie della classe di scienze fisiche, matematiche e naturali. 1873-1876, 8 vols. Roma, 1875-1880.

Atti [serie 3]. Memorie della classe di scienze fisiche, matematiche e naturali. 1876-1883, 18 vols. Roma, 1877-1883.

Atti [serie 3]. Transunti. 1876-1884, 8 vols. Roma, 1877-1884.

Atti [serie 4]. Memorie della classe di scienze fisiche, matematiche e naturali. 1884-1890, 7 vols. Roma, 1884-1890.

Atti [serie 4]. Rendiconti. 1884-1891, 7 vols. Roma, 1885-1891.

Atti [serie 5]. Rendiconti, classe di scienze fisiche, matematiche e naturali. 1892-1902, 11 vols. Roma, 1892-1902.

Recueil trav. chim. Pays-Bas.

Recueil des travaux chimiques des Pays-Bas. 1882-1893, 12 vols.

Rép. chim. pure.

Répertoire de chimie pure et appliquée (Wurtz). 1858-1862, 4 vols.

Rép. chim. appl.

Répertoire de chimie pure et appliquée (Barreswill). 1859-1863, 5 vols.

Rep. tech. jour.-lit.

Repertorium der technischen journal-litteratur. 1879-1899, 21 vols.

Review of Am. Chem. Research.

Review of American Chemical Research (in The Journal of the American Chemical Society). 1895-1902, 8 vols.

Revue cours. scientif.

Revue des cours scientifiques de la France et de l'étranger. 1863-1870, 7 vols.

Continued under the title *Revue scientifique de la France et de l'étranger*. 1871-1884, 26 vols.

Revue sci.

Continued under the title *Revue scientifique (Revue rose)*. 1884-1901, 37 vols.

Revue de chim. ind.

Revue de chimie industrielle. 1897, 1898, vols. 8 and 9.

Revue gén. sci.

Revue générale des sciences pures et appliquées. 1890-1901, 12 vols.

Revue sci. (Quesneville).

Revue scientifique et industrielle, [etc.] (Quesneville).

1840-1844, 1^o series, 16 vols.

1844-1847, 2^o series, 15 vols.

Monit. sci. Quesneville.

Followed by *Moniteur (Le) scientifique du chimiste et du manufacturier*. 1861-1863, 2 vols.

Continued under the title *Moniteur (Le) scientifique*.

1864-1870, 2^o series, 7 vols.

Monit. sci. (Quesneville).

Continued under the title *Moniteur scientifique de Quesneville*.

1871-1886, 3^o series, 16 vols.

1887-1901, 4^o series, 15 vols.

Rose, nach dem Ural.

Rose, *Reise nach dem Ural, dem Altai und dem Kaspischen Meere*.

1837, 1842, 2 vols.

Quart. Jour. Sci. Arts.

Journal (The) of Science and Arts, London. 1816, 1 vol.

Continued under the title *Quarterly (The) Journal of Literature, Science and the Arts*. 1817, 1 vol.

Continued under the title *Journal (The) of Science and the Arts*. 1817-1818, 3 vols.

Continued under the title *Quarterly (The) Journal of Science, Literature and the Arts*.

1820-1827, 17 vols.

1827-1830, 7 vols.

J. Royal Inst.

Continued as *Journal of the Royal Institution*. 1830-1831, 2 vols.

R. Soc. Cat. Sci. Papers.

Royal Society Catalogue of Scientific Papers. 1800-1883, 12 vols. London, 1867-1902.

Roy. Soc. Lond. Proc.

Royal Society of London. Proceedings. 1854-1902, 70 vols., excepting 1885, vol. 39.

Verh. ges. Min. Russlands.

Russisch-kaiserliche Gesellschaft für die gesammte Mineralogie. St. Petersburg. *Schriften*. 1842, vol. I. *Verhandlungen*. 1842-1847, 5 vols.

S. of M. Quar.

School of Mines Quarterly, New York. 1879-1902, 24 vols.

Science Abstracts.

Science Abstracts. 1898-1901, 4 vols.

Science.

Science. 1883-1894, 23 vols.; 1895-1901, new series, 14 vols.

Smith. Inst. Misc. Coll.

Smithsonian Institution Miscellaneous Collections. 1862-1901, 41 vols.

J. Soc. Chem. Ind.

Society of Chemical Industry. Journal. 1882-1902, 21 vols.

Bull. soc. chim. Paris.

Société chimique de Paris. Bulletin.

1864-1888, 50 vols.

1889-1902, 3^o series, 28 vols.

J. Soc. Arts.

Society for the Encouragement of Arts, Manufactures and Commerce, London. Journal of the Society of Arts. 1852-1901, 49 vols.

- Bull. soc. franç. min.
Société française de mineralogie. Bulletin. 1878-1902, 25 vols.
- Bull. soc. imp. Moscou.
Société impériale des naturalistes de Moscou. Bulletin. 1829-1898, 73 vols.
- Bull. soc. ind. Mulhouse.
Société industrielle de Mulhouse. Bulletin. 1854-1901, 71 vols.
- Beudant. *Traité Min.*
Traité élémentaire de Mineralogie, Beudant. 1832, vols. I and II.
- Tidsskrift Phys. Chemi.
Tidsskrift for Physik og Chemi samt disse Videnskabers Anvendelse.
Kjøbenhavn.
1862-1879, 18 vols.
1880-1891, 2° series, 12 vols.
Continued under the title *Nyt Tidsskrift for Fysik og Kemi.*
1892-1898, 3° series, 3 vols., excepting 1895.
- U. S. Consular Reports.
United States Consular Reports.
1895-1896, Nos. 176-195.
1901, Nos. 248-251.
- Bull. U. S. Geol. Survey.
United States Geological Survey. Bulletin. 1883-1901, 176 vols.
- U. S. Geol. Survey, Min. Resources.
United States Geological Survey, Mineral Resources of the United States.
Bulletin 16, part 4, 1894-1895.
- Vjschr. Nahrungsmittel.
Vierteljahresschrift über die Fortschritte auf dem Gebiete der Chemie der
Nahrungs- und Genussmittel der Gebrauchsgegenstände, sowie der hierher
gehörenden Industriezweige. 1887-1898, 13 vols.
- Ztschr. anal. Chem.
Zeitschrift für analytische Chemie. 1862-1901, 40 vols.
- Ztschr. anorgan. Chem.
Zeitschrift für anorganische Chemie. 1892-1902, 33 vols.
- Ztschr. chem. Ind.
Zeitschrift für die chemische Industrie. 1887, 2 vols.
- Ztschr. angew. Chem.
Continued as *Zeitschrift für angewandte Chemie.* 1887-1902, 15 vols.
- Ztschr. Beleucht.
Zeitschrift für Beleuchtungswesen. 1897, vol. 3.
- Ztschr. Elektrochem.
Zeitschrift für Elektrochemie. 1894-1900, 6 vols.
- Ztschr. Chem.
Zeitschrift für Chemie und Pharmacie. (See *Kritische Zeitschrift.*)

Ztschr. Chem.

Zeitschrift für Chemie. (See Kritische Zeitschrift.)

Ztschr. deut. geol. Ges.

Zeitschrift der deutschen geologischen Gesellschaft. 1849-1900, 52 vols.

Ztschr. Kryst.

Zeitschrift für Krystallographie und Mineralogie. 1877-1902, 36 vols.

Ztschr. Phys. Math.

Zeitschrift für Physik und Mathematik. 1831, vol. 9.

Ztschr. physikal. Chem.

Zeitschrift für physikalische Chemie, Stöchiometrie und Verwandtschaftslehre. 1887-1902, 41 vols.

Ztschr. physikal. chem. unterricht.

Zeitschrift für den physikalischen und chemischen unterricht.
1891-1901, vols. 5-14.

Ztschr. prakt. Geol.

Zeitschrift für praktische Geologie. 1893-1901, 9 vols.

ADDENDA.

RUSSIAN TITLES.

- 1869 : 143. МЕНДЕЛѢЕВЪ. Соотношеніе свойствъ съ атомнымъ вѣсомъ элементовъ. (On the correlation of the properties and atomic weights of the elements.)
Журналъ Русскаго Химическаго Общества. (Journal of the Russian Chemical Society), 1869, **1**, 35, 60-77; Chem. News, 1869, **19**, 275. Roy. Soc. C. Sci. Papers, 1902, **12**, 498.
- 1871 : 149. МЕНДЕЛѢЕВЪ. Естественная система элементовъ и примѣненіе ея къ указанію свойствъ неоткрытыхъ элементовъ. (A natural system of the elements, and its application to the indication of the properties of undiscovered elements.)
[1870] Журналъ Русскаго Химическаго Общества. (Journal of the Russian Chemical Society), 1871, **3**, 7, 25-56. Roy. Soc. C. Sci. Papers, 1902, **12**, 498.
- 1873 : 161. МЕНДЕЛѢЕВЪ. О примѣнимости періодическаго закона къ церитовымъ металламъ (отвѣтъ Раммелъсбергу.) (On the applicability of the periodic law to the cerite metals) (Answer to Rammelsberg.)
Журналъ Русскаго Химическаго Общества и Физическаго Общества при Императорскомъ С.-Петербургскомъ Университетѣ. (Journal of the Russian Chemical Society and of the Physical Society of the Imperial University of St.-Petersburg), 1873 г., тоже статья въ (Lieb. Ann. **168**, 45.) Roy. Soc. C. Sci. Papers, 1879, **8**, 379.
- 1875 : 178. Нильсопъ. О двойныхъ соляхъ хлорной и хлористой платины. (On the valency of the elements.)
Журналъ Русскаго Химическаго Общества и Физическаго Общества при Императорскомъ С.-Петербургскомъ Университетѣ. (Journal of the Russian Chemical Society and of the Physical Society of the Imperial University of St.-Petersburg), 1877, **9**, part 2, 98-99.
- 1881 : 222. МЕНДЕЛѢЕВЪ. Сообщеніе по поводу многихъ вновь открытыхъ Мариньякомъ, Делафонтеюмъ, Клеве и Нильсономъ церитовыхъ и гадолинитовыхъ металловъ. (Communication about several cerite and gadolinite metals newly discovered by Marignac, Delafontaine, Clève and Nilson.)
Журналъ Русскаго Физико-Химическаго Общества при Императорскомъ С.-Петербургскомъ Университетѣ. (Journal of the Russian Physico-Chemical Society of the Imperial University of St.-Petersburg), 1881 г., т. **13**, ч. хим., отд. 1, проток., стр. 517-520; Chem. News, 1882, **46**, 256; Roy. Soc. C. Sci. Papers, 1902, **12**, 498.
- 1887 : 309. БАЗАРОВЪ. Объ атомныхъ вѣсахъ элементовъ. (Sur les poids atomiques des éléments par M. A. Bazaroff.)
Журналъ Русскаго Физико-Химическаго Общества при Императорскомъ С.-Петербургскомъ Университетѣ. (Journal de la société physico-chimique russe à l'Université de St.-Petersbourg), 1887, **19**, 61-73.

- 1896: 462. Военнаго инженера Г. П. Черника. По поводу состава и природы одного церитоваго минерала изъ Батумской области. (Sur un mineral ceritique du district de Batoum par M. G. Tchernik.)
Журналь Русскаго Физико-Химическаго Общества при Императорскомъ С.-Петербургскомъ Университетѣ.
(Journal de la société physico-chimique russe à l'Université de St.-Petersbourg), 1896, **28**, 345-359.
Ztschr. Kryst., 1898-1899, **31**, 513-514; J. Chem. Soc. Lond., 1899, **76**, **2**, 668-669; Chem. Centrbl., 1899, **70**, II. 676-677.
- 1896: 518. Г. П. Черникъ. “Кое-что относительно состава и природы одного церитоваго минерала изъ Батумской области.”
(Sur un mineral ceritique du district de Batoum par M. G. Tchernik.)
Журналь Русскаго Физико-Химическаго Общества при Императорскомъ С.-Петербургскомъ Университетѣ.
(Journal de la société physico-chimique russe à l'Université de St.-Petersbourg), 1896, **28**, 221-222.

AUTHOR INDEX.

- Abney. See Roscoe, Lockyer, Dewar, Gibbs, Liveing, Schuster, Hartley, Abney, and Watts; also Roscoe, Watts, Lockyer, Dewar, Liveing, Schuster, Hartley, Gibbs, and Abney
- Ackroyd, 1902: 1117
- Afanassiew, 1900: 806
- Alexander, 1902: 1071
- Allen. See Rutherford and Allen
- Aloy, 1902: 1089
- Analyses of minerals, 1874: 170
- Armstrong, 1902: 1045
- Arppe, 1867: 134
- Auer von Welsbach, 1887: 314; 1894: 397; 1898: 620; 1901: 960; 1901: 988
- Bagard, 1901: 1002
- Bahr, 1862: 105; 1863: 108; 1864: 118
- Bailey, 1901: 1011.
- Baker, 1889: 333
- Bandsept, 1897: 564
- Barrière, 1896: 474
- Barrows, 1896: 507
- Bary, 1898: 632
- Baskerville, 1901: 882; 1901: 901; 1901: 902; 1901: 978
- Baskerville and Lemly, 1902: 1080; 1902: 1081; 1902: 1102
- Baur, 1900: 792; 1900: 813; 1901: 933; 1901: 947. See also Muthmann and Baur
- Bayerlein, 1899: 723
- Bayley, 1898: 643
- Bazarow, 1887: 309. See also Addenda, 1887: 309
- Becker, 1880: 214
- Bequerel, 1899: 704; 1900: 852; 1901: 946; 1902: 1109
- Béhal, 1902: 1042
- Behrendsen, 1899: 748
- Behrens, 1891: 349; 1893: 389; 1894: 411; 1895: 451; 1895: 452; 1901: 975
- Bell, 1900: 860
- Bémont. See Curie, Curie and Bémont
- Benedicks. See Von Schöele and Benedicks
- Benz, 1902: 1027
- Bergemann, 1851: 76; 1851: 77; 1852: 84; 1862: 102
- Berlin, 1852: 83; 1852: 85; 1853: 88; 1862: 102. See also Damour and Berlin
- Bernhardi, 1817: 4
- Berzelius, 1818: 5; 1821: 6; 1821: 7; 1823: 8; 1825: 9; 1828: 12; 1829: 13; 1829: 14; 1829: 15; 1829: 17; 1829: 18; 1830: 20; 1830: 21; 1830: 22; 1831: 23; 1832: 24; 1832: 25; 1832: 26; 1832: 27; 1833: 30; 1833: 31; 1834: 32; 1835: 33; 1835: 34; 1836: 35; 1837: 36; 1838: 37; 1839: 39; 1840: 44; 1841: 48; 1842: 49; 1843: 52; 1844: 53; 1845: 58; 1846: 59; 1847: 66; 1848: 70; 1849: 72; 1849: 73; 1850: 74; 1862: 102. See also Gahn, Wallmann, Eggertz and Berzelius
- Besson, 1901: 917
- Bettendorff, 1889: 332
- Bendant, 1832: 28
- Biltz, 1902: 1039; 1902: 1040
- Binder, 1899: 695
- Blomstrand, 1870: 148; 1878: 203; 1885: 283; 1887: 313; 1887-1888: 318; 1889: 336; 1890: 338; 1897: 562 (obituary notice)
- Blondel, 1900: 858
- Blum, 1869: 144
- Blunman, 1901: 943
- Bogild. See Flink, Bogild, and Winter
- Boehm, 1901: 986
- Böhm, 1902: 1028; 1902: 1054; 1902: 1102. See also Muthmann and Böhm
- de Boisbandran, 1882: 248; 1883: 261; 1884: 272; 1884: 274; 1885: 276
- Bokorny, 1894: 404
- Bolton, 1899: 764
- Bose. See Nernst and Bose

- Bose and Jüttner, 1900: 807
 Bossner, 1892: 367
 Böttinger, 1894: 398
 Boudouard, 1897: 557; 1898: 591. See also Le Chatelier and Boudouard; also Schützenberger and Boudouard
 Bowman, 1900: 811; 1900: 821
 Boyesen. See Mason, De Kay, Warner, Robertson, O'Neil, Boyesen, Isdahl, Gade, Heenan, McDaniel, and Smith
 Brauner, 1881: 227; 1881: 234; 1881: 238; 1882: 236; 1882: 239; 1885: 277; 1889: 331; 1891: 358; 1895: 435; 1897: 548; 1897: 549; 1898: 602; 1898: 645; 1900: 814; 1901: 921; 1901: 944; 1901: 976; 1902: 1052, 1118.
 Brauner and Watts, 1881: 228
 Brauner and Pavlicek, 1902: 1079
 Brögger, 1881: 224; 1883: 254; 1885: 281; 1887: 302; 1890: 339; 1897: 535
 Brögger and Vogt, 1895: 430
 Brooks. See Rutherford and Miss H. T. Brooks
 Brundage, 1901: 981
 Bruno, 1899: 702
 Bryan, 1900: 819
 Brylinski. See Scheurer and Brylinski
 Bunsen, 1875: 177
 Bunte, 1895: 441; 1896: 498; 1897: 527; 1897: 540; 1897: 540a; 1897: 583d; 1898: 608; 1898: 668; 1899: 669; 1899: 863; 1901: 987
 Bunte and Eitner, 1899: 679
 Burton. See McLennan and Burton
 C. E. C., 1900: 832 *
 C. E. G., 1898: 631
 Campbell-Swinton, 1899: 738
 Carlson, 1873: 160
 Carnelley, 1879: 211; 1880: 212; 1884: 266; 1884: 267; 1884: 271; 1886: 296
 Caro, 1901: 992
 Caspari, 1901: 916
 Castellani, 1901: 985 (book review)
 Chandler, 1901: 959; 1901: 971
 Chandler and Mason, 1896: 548f
 Chapuy. See Le Chatelier and Chapuy
 Chavastelon, 1900: 796
 Checchi. See Tarugi and Checchi
 Chemische Fabrik für Beleuchtungswesen, 1899: 703
 Chenel. See Séquard, Douilhet, and Chenel
 Chydenius, 1861: 101; 1863: 112; 1866: 127. See also Nordenskiöld and Chydenius
 Clarke, 1873: 159; 1876: 182; 1876: 183; 1876: 184; 1880: 215; 1881: 233; 1882: 249; 1888: 315; 1891: 347; 1893: 371; 1894: 406; 1895: 425; 1895: 434; 1896: 486; 1896: 518a; 1897: 539; 1898: 622; 1899: 729; 1900: 776; 1902: 1032
 Cleve, 1873: 163; 1874: 168; 1883: 264; 1884: 268; 1885: 275
 Cleve, Astrid, 1902: 1094; 1902: 1110
 Collie. See Ramsay and Collie; also Ramsay, Collie, and Travers
 Collier, 1880: 221
 Committee on Atomic Weight of Thorium, 1902: 1114
 Committee on Indexing Chemical Literature, 1902: 1107
 Coutts. See Rutherford, Coutts, Trotter, and McDonald
 Crookes, 1881: 230; 1883: 263; 1883: 265; 1885: 284; 1887: 299; 1887: 301; 1889: 328; 1896: 475; 1898: 595; 1898: 635; 1899: 746; 1899: 755; 1900: 805; 1902: 1044
 Curie, 1898: 613; 1899: 713; 1900: 818; 1902: 1041
 Curie, P and Mme. S. Curie, 1898: 616; 1899: 710; 1900: 853; 1902: 1018; 1902: 1111
 Curie, Curie and Bémont, 1898: 621
 Curie and Debierne, 1901: 910
 Curtius and Darapsky, 1900: 808
 Czapski, 1901: 949
 Dahll. See Forbes and Dahll
 Dales. See Dennis and Dales
 Damour, 1852: 81; 1852: 82; 1862: 102; 1863: 111; 1867: 135; 1878: 204
 Damour and Berlin, 1852: 86
 Damour and Descloiseaux, 1857: 91
 Darapsky. See Curtius and Darapsky
 Davidsohn, 1002: 1087
 Dawson and Williams, 1899: 739; 1899: 753; 1900: 844
 Day, 1896: 516
 Debierne, 1900: 785; 1901: 910. See also Curie and Debierne

- Deeley, 1893: 392; 1894: 394
- Delafontaine, 1863: 109; 1863: 110; 1864: 115; 1877: 189; 1878: 199; 1878: 200; 1878: 206; 1878: 207; 1880: 216; 1896: 464; 1897: 530
- Delaunay, 1896: 492; 1901: 1003
- Délepine. See Matignon and Délepine
- Demarçay, 1883: 253; 1890: 342
- Dennis, 1896: 473
- Dennis and Dales, 1902: 1026
- Dennis and Kortright, 1894: 400
- Dennis and Magie, 1894: 407
- Derby, 1899: 763; 1900: 812; 1901: 924; 1902: 1122
- Derôme, 1900: 826
- Descloiseaux. See also Damour and Descloiseaux; also Hidden and Descloiseaux
- Dewar. See Roscoe, Lockyer, Dewar, Gibbs, Liveing, Schuster, Hartley, Abney, and Watts; also Roscoe, Watts, Lockyer, Dewar, Liveing, Schuster, Hartley, Gibbs, and Abney
- Diergart, 1900: 820
- Dixon, 1882: 250; 1888: 323
- Dorn, 1900: 848
- Donilhet. See Séquard, Donilhet, and Chenel
- Dredge, 1887: 304
- Drossbach, 1895: 458; 1895: 459; 1896: 484; 1896: 489; 1897: 537; 1897: 578; 1897: 580; 1898: 597; 1899: 732; 1901: 891; 1901: 904; 1904: 991; 1901: 1004; 1902: 1051; 1902: 1062; 1902: 1093
- Du Bois, 1900: 831
- Du Bois and Liebknecht, 1900: 779; 1900: 780; 1900: 782
- Dulong, 1829: 18
- Dunnington, 1882: 242
- Eakins, 1885: 279; 1890: 343; 1891: 348
- Eckstadt, 1901: 984
- Edison, 1899: 687
- Eggertz. See Gahn, Wallmann, Eggertz, and Berzelius
- Eitner. See Bunte and Eitner
- Elster and Geitel, 1898: 618; 1899: 758; 1901: 952; 1901: 963; 1902: 1037; 1902: 1097; 1902: 1108
- Engler and Wöhler, 1902: 1022
- Engström, 1877: 192
- Ephraim, 1900: 838
- Erdmann, 1899: 681; 1900: 825; 1900: 839; 1901: 918; 1902: 1053
- Étard. See Moissan and Étard
- Exner and Hasehek, 1899: 721; 1900: 778; 1901: 973
- Fändreich and Oechelhäuser, 1893: 388
- Fehrle, 1901: 965
- Flink, Boggild, and Winther, 1899: 761; 1899: 762
- Florence, 1898: 614
- Fock, 1900: 795
- Fontaine, 1883: 252
- Forbes, 1854: 89
- Forbes and Dahll, 1855: 90
- Formánek, 1900: 802; 1900: 803
- Formenti and Levi, 1901: 937
- Forsling, 1898: 655
- Fournier, 1901: 950
- Franklin Institute, 1900: 829
- Fresenius, 1896: 490; 1899: 682; 1899: 709; 1899: 727
- Fresenius and Hintz, 1896: 481
- Friedenau-Moscheles, 1897: 566
- Fronstein and Mai, 1897: 581
- Fühse, 1897: 529
- Furniss, 1899: 688; 1899: 693
- Gade. See Mason, De Kay, Warner, Robertson, O'Neil, Boyesen, Isdahl, Gade, Heenan, McDaniel, and Smith
- Gahn, 1817: 1, 3
- Gandourine, 1898: 649
- Geitel, 1901: 964. See also Elster and Geitel
- Geipel, 1902: 1121
- Genth, 1889: 334; 1890: 345; 1891: 356
- Genth and Kerr, 1885: 285
- Gentsch, 1894: 412; 1895: 431; 1896: 517; 1901: 993
- Gerber, 1881: 232; 1883: 262
- Gibbs, 1893: 384. See also Roscoe, Lockyer, Dewar, Gibbs, Liveing, Schuster, Hartley, Abney, and Watts; also Roscoe, Watts, Lockyer, Dewar, Liveing, Schuster, Hartley, Gibbs, and Abney
- Gibson, 1898: 625
- Giesel, 1900: 837; 1901: 940; 1902: 1038; 1902: 1085; 1902: 1095
- Gladstone, 1896: 510

- Gladstone and Hibbert, 1902: 1103
 Glaser, 1896: 482; 1897: 526; 1898: 605
 Glinzer, 1895: 439
 Gmelin-Kraut, 1874: 171
 Gray, 1895: 422; 1895: 429; 1895: 438
 Grier. See Rutherford and Grier
 Guenther, 1902: 1031
 Guichard, 1899: 747
 Guillaume, 1899: 726; 1901: 931
 Gundlich. See Lesinsky and Gundlich
 Gütbier, 1902: 1050
- Haber, 1897: 544
 Haitinger, 1891: 363
 Halske. See Siemens and Halske
 Haller, 1893: 383
 Hamilton, 1899: 767
 Harding, 1899: 719
 Harris, 1901: 1000. See also Smith and Harris
 Hart, 1891: 350
 Hartley, 1882: 251; 1902: 1112; 1902: 1113; 1902: 1116. See also Roscoe, Lockyer, Dewar, Gibbs, Liveing, Schuster, Hartley, Abney, and Watts; also Roscoe, Watts, Lockyer, Dewar, Liveing, Schuster, Hartley, Gibbs, and Abney
 Haschek. See Exner and Haschek
 Haushofer, 1883: 260; 1885: 286
 Heenan. See Mason, De Kay, Warner, Robertson, O'Neil, Boyesen, Isdahl, Gade, Heenan, McDaniel, and Smith
 Heidepriem. See Hofmann and Heidepriem
 Highway, 1898: 644; 1899: 683
 Hering, 1900: 851
 Hempel, 1901: 928
 Henning, 1901: 995; 1902: 1055
 Hermann, 1844: 54; 1844: 56; 1846: 60; 1847: 64; 1847: 65; 1850: 75; 1858: 93; 1858: 94; 1864: 117; 1865: 123; 1865: 124; 1866: 125; 1866: 126; 1866: 128; 1866: 130; 1866: 131; 1868: 136; 1868: 138; 1869: 139; 1869: 145; 1870: 146; 1871: 156
 Hermann, R., 1879: 210 (obituary)
 Herzfeld and Korn, 1901: 894 (book review); 1901: 895 (book review); 1901: 896 (book review); 1901: 929 (book review); 1901: 982 (book review)
 Hibbert. See Gladstone and Hibbert
 Hidden, 1881: 229; 1891: 352; 1891: 354. See also Judd and Hidden
 Hidden and Descloiseaux, 1886: 289
 Hidden and Hillebrand, 1893: 379; 1893: 382
 Hidden and Mackintosh, 1888: 324; 1889: 325; 1890: 344; 1891: 351; 1891: 353; 1893: 374
 Hidden and Pratt, 1898: 627
 Hillebrand, 1888: 320; 1889: 326; 1890: 340; 1890: 341; 1891: 364; 1893: 380; 1893-1894: 381; 1899: 724; 1900: 881; 1902: 1019. See also Hidden and Hillebrand
 Hillebrand and Melville, 1892: 366
 Hintz, 1898: 599; 1898: 666; 1899: 736. See also Fresenius and Hintz
 Hintz and Weber, 1897: 520; 1897: 524; 1898: 589
 Hiortdahl, 1865: 122
 Högbom, 1884, 269
 Hofmann, 1899: 760
 Hoffman, 1900: 823; 1901: 925
 Hofmann and Heidepriem, 1901: 892
 Hofmann, Korn, and Strauss, 1901: 885
 Hofmann and Prandtl, 1901: 900
 Hofmann and Strauss, 1900: 801; 1901: 884; 1901: 886; 1901: 887
 Hofman and Wölfl, 1902: 1082
 Hofman and Zerban, 1902: 1023
 Hohmann, 1897: 565
 Holm, 1902: 1086
 Holmquist, 1893: 385; 1897: 550
 Honig, 1898: 656
 Howe, 1899: 696; 1900: 816
 Hussak and Prior, 1899: 766
- Incandescent Gas Light Co. *versus* The De Marc Incandescent Gas Light System (Limited) and Others, 1896: 501
 Incandescent Gas Light Co. *versus* The Meteor Incandescent Lighting Co., Limited, 1896: 506
 Ingalls, 1893: 376
 International Atomgewichts-Commission, 1902: 1100
 International Committee on Atomic Weights, 1901: 1012
 Isdahl. See Mason, De Kay, Warner, Robertson, O'Neil, Boyesen, Isdahl, Gade, Heenan, McDaniel, and Smith

- J. R., 1898: 651
 Jacoby. See Meyer and Jacoby
 Jannasch, 1894: 399
 Jannasch, Locke, and Lesinsky, 1894: 402
 Jannasch and Locke, 1894: 409
 Jefferson, 1901: 942
 Jimbo, 1901: 907
 Job, 1899: 705; 1900: 773
 Johnson, 1889: 335
 Joly, 1896: 1515
 Joule. See Playfair and Joule
 Judd and Hidden, 1899: 718
 Jüttner. See Bose and Jüttner
- Kauffmann, 1899: 742
 De Kay. See Mason, De Kay, Warner, Robertson, O'Neil, Boyesen, Isdahl, Gade, Heenan, McDaniel, and Smith
 Keller, 1894: 408
 Kemper, 1897: 567
 Kerr. See Genth and Kerr
 Kersten, 1839: 41
 Killing, 1896: 508; 1897: 579; 1899: 697; 1899: 698; 1902: 1070
 Khrushchov, 1894: 396
 Klason, 1897: 572
 Klüss, 1888: 319
 Knöffler, 1901: 1005
 Knop, 1871: 153; 1871: 155; 1875: 175; 1877: 193
 Knowlton. See Lindgren and Knowlton
 von Knorre, 1896: 500; 1896: 505; 1897: 552; 1900: 783
 König, 1882: 241
 Koenigsberger, 1898: 615
 Kohlschütter, 1901: 903
 Kolb, 1902: 1048
 Koppel, 1901: 941 (review of book); 1901: 996 (review of book); 1901, 1015 (review of book)
 Korn. See Herzfeld and Korn; also Hofmann, Korn, and Strauss
 Kortright. See Dennis and Kortright
 Kosmann, 1896: 499
 Köthner, 1900: 841; 1902: 1069
 Krantz, 1851: 78
 Kraus, 1901: 908
 Kraus and Reitingen, 1901: 926
 Krebs, 1897: 575; 1897: 583*c*
 Kropotkin (Prince), 1908: 854
 Krüss and Nilson, 1887: 305; 1887: 306; 1887: 307; 1887: 308; 1891: 362; 1894: 401; 1897: 536; 1899: 699
 Krüss and Palmaer, 1897: 547
 Krüss and Volk, 1893: 372
 Küster, 1901: 899
- Ladurean, 1900: 822
 Lamotte, 1898: 629
 Landolt, Ostwald, Seubert, 1898: 623
 Langlet, 1895: 426
 Larsson, 1896: 472
 Lea, 1895: 444; 1896: 518*c*; 1896: 518*d*;
 Le Conte, 1847: 67
 Le Chatelier and Boudouard, 1898: 600
 Le Chatelier and Chapny, 1898: 637
 Lemly. See Baskerville and Lemly
 von Lengyel, 1900: 788
 Lenher, 1899: 692; 1900: 835; 1901: 999; 1901: 1008
 Lesinsky. See Jannasch, Locke, and Lesinsky
 Lesinsky and Gundlich, 1897: 538.
 Levi. See Formenti and Levi
 Lewes, 1896: 502; 1897: 577; 1899: 715; 1899: 716; 1900: 873; 1900: 876; 1900: 878
 Lichtmess-Kommission, 1901: 961
 Liebenthal, 1900: 862; 1900: 864; 1900: 867; 1900: 868
 Liebknecht. See Wills and Liebknecht; also Du Bois and Liebknecht
 Lillard, 1896: 477
 Lindgren, 1897: 531
 Lindgren and Knowlton, 1896: 460
 Lindstrom, 1881: 231
 Ling, 1895: 432
 Liveing. See Roscoe, Lockyer, Dewar, Gibbs, Liveing, Schuster, Hartley, Abney, and Watts; also Roscoe, Watts, Lockyer, Dewar, Liveing, Schuster, Hartley, Gibbs, and Abney
 Locke, 1894: 403. See also Jannasch and Locke; also Jannasch, Locke, Lesinsky
 Lockyer, 1896: 509. See also Roscoe, Lockyer, Dewar, Gibbs, Liveing, Schuster, Hartley, Abney, and Watts; also Roscoe, Watts, Lockyer, Dewar, Liveing, Schuster, Hartley, Gibbs, and Abney
 Loew, 1897: 563

- Lohse, 1897: 582
 Lorenz, 1896: 518b
 Lorenzen, 1881: 223
 Love, 1900: 830
 Ludwig, 1871: 154
 Lunge, 1894: 414
 Lux, 1897: 576
- MacKean, 1891: 360
 Madan. See McLeod, Roberts-Austen, Madan and Nagel
 Mackintosh, 1893: 374. See also Hidden and Mackintosh
 Magie. See Dennis and Magie
 Mai. See Fronstein and Mai
 Mallet, 1893: 370; 1901: 980
 Maratta, 1897: 555
 Marc, 1902: 1059; 1902: 1106
 De Marc Incandescent Gas Light System. See The Incandescent Gas Light Co. *versus* The De Marc Incandescent Gas Light System (Limited) and Others
 Marckwald. See Meyer and Marckwald
 Marignac, 1867: 132
 Marshall, 1902: 1088
 Marsy (De), 1900: 836
 Martin, 1901: 954; 1902: 1092
 Mason, 1895: 447; 1896: 461; 1899: 678; 1901: 1007. See also Chandler and Mason; also Mason, De Kay, Warner, Robertson, O'Neil, Boyesen, Isdahl, Gade, Heenan, McDaniel, and Smith, 1895: 449
 Matignon, 1900: 799; 1900: 800; 1900: 804
 Matignon and Délepine, 1901: 889
 Matthews, 1898: 609; 1898: 610; 1898: 611; 1898: 612; 1898: 641; 1899: 722
 Mauzelius, 1900: 794
 McDaniel. See Mason, De Kay, Warner, Robertson, O'Neil, Boyesen, Isdahl, Gade, Heenan, McDaniel, and Smith
 McDonald. See Rutherford, Coutts, Trotter, and McDonald
 McClung. See Rutherford and McClung
 McLennan, 1902: 1065; 1902: 1120
 McLennan and Burton, 1902: 1119
 McLeod, Roberts-Austen, Madan, and Nagel, 1901: 915
 Melville. See Hillebrand and Melville
 Mendel'eff, 1889: 330; 1897, 568
 Mendelejew, 1880: 220
 Mendelejeff, 1871: 152; 1874: 169
 Mendelejew, 1870: 151
 Mendelyeev, 1869: 143; 1870: 149; 1873: 161; 1881: 222. See also Addenda, 1869: 143; 1871: 149; 1873: 161; 1881: 222
 Merrill, 1899: 694
 Merle, 1897: 534
 Meteor Incandescent Lighting Co., Limited. See The Incandescent Gas Light Co. *versus* The Meteor Incandescent Lighting Co., Limited
 Metzger, 1902: 1024; 1902: 1025
 Meyer, L., 1870: 147; 1880: 219; 1888: 322; 1895: 450
 Meyer, S., 1899: 708; 1899: 712; 1901: 972
 Meyer, R. J., 1901: 895
 Meyer and Jacoby, 1900: 789; 1901: 909; 1901: 934
 Meyer and Marckwald, 1900: 791
 Meyer and Schweidler, 1899: 749; 1900: 845
 Meyer and Seubert, 1883: 258; 1885: 287
 Mezger, 1895: 454
 Mie, 1900: 856
 Miers, 1901: 905
 Mills, 1884: 270; 1886: 297
 Moberg, 1898: 601
 Moissan, 1896: 479; 1896: 480; 1896: 491; 1897: 543; 1902: 1017
 Moissan and Étard, 1896: 471; 1897: 541
 Möller, 1861: 100
 Moraht, 1895: 445
 Moscheles-Friedenan, 1897: 566
 Monl, 1898: 626
 Müller, 1900: 843
 Muthmann, 1898: 593
 Muthmann and Baur, 1900: 787; 1900: 790
 Muthmann and Böhm, 1900: 777
 Muthmann and Rolig, 1898: 590; 1898: 594

- Nagel. See McLeod, Roberts-Austen, Madan, and Nagel
 Naumann, 1898: 667
 Nerst, 1899: 734
 Nerst and Bose, 1900: 809
 Nerst and Wild, 1900: 817
 Newlands, 1863: 113; 1864: 114; 1865: 120; 1865: 121; 1866: 129
 Nickles, 1863: 106
 Nilson, 1874: 173; 1874: 174; 1875: 178; 1876: 179; 1876: 180; 1876: 181; 1879: 208; 1880: 213; 1880: 218; 1882: 245; 1882: 246; 1882: 247; 1883: 255; 1887: 305; 1887: 306; 1887: 307; 1887: 308; 1887: 310; 1. See also Addenda, 1875: 178; also Krüss and Nilson
 Nilson and Petterson, 1880: 218; 1887: 310
 Nitze, 1895: 443
 Noelting, 1902: 1057
 Notes and Editorial Notices, 1817: 2; 1829: 16; 1829: 19; 1847-48: 68; 1869: 140; 1874-75: 172; 1883: 257; 1886: 295; 1888: 317; 1889: 329; 1891: 355; 1893: 368; 1893: 369; 1893: 377; 1893: 393; 1894: 413; 1894: 415; 1894: 416; 1895: 424; 1895: 428; 1895: 436; 1895: 442; 1895: 446; 1896: 463; 1896: 468; 1896: 469; 1896: 487; 1896: 495; 1896: 496; 1896: 503; 1896: 504; 1896: 513; 1896: 514; 1896: 518*g*; 1897: 519; 1897: 521; 1897: 522; 1897: 523; 1897: 559; 1897: 569; 1897: 570; 1897: 571; 1897: 573; 1897: 574; 1897: 583*b*; 1898: 598; 1898: 617; 1898: 624; 1898: 628; 1898: 630; 1898: 639; 1898: 640; 1898: 642; 1898: 650; 1898: 654; 1898: 657; 1898: 658; 1898: 659; 1898: 660; 1898: 662; 1898: 663; 1898: 664; 1898: 665; 1899: 670; 1899: 671; 1899: 672; 1899: 675; 1899: 677; 1899: 680; 1899: 684; 1899: 685; 1899: 686; 1899: 689; 1899: 690; 1899: 691; 1899: 706; 1899: 707; 1899: 714; 1899: 717; 1899: 720; 1899: 730; 1899: 731; 1899: 740; 1899: 744; 1899: 745; 1899: 750; 1899: 751; 1899: 757; 1900: 815; 1900: 827; 1900: 833; 1900: 840; 1900: 847; 1900: 849; 1900: 855; 1900: 861; 1900: 869; 1900: 870; 1900: 872; 1900: 874; 1900: 875; 1900: 879; 1901: 911; 1901: 912; 1901: 913; 1901: 920; 1901: 948; 1901: 956; 1901: 962; 1901: 970; 1901: 979; 1901: 983; 1901: 990; 1901: 994; 1901: 1006; 1901: 1009; 1902: 1020; 1902: 1034
 Nordenskiöld, 1842: 50; 1861: 99; 1863: 107; 1870: 150; 1877: 188; 1878: 202; 1884: 273; 1887: 298; 1887: 311; 1891: 359; 1893: 386; 1895: 427; 1900: 770
 Nordenskiöld and Chydenius, 1860: 96
 Norton, 1901: 923; 1901: 953
 Nylander, 1864: 116
 Oechelhäuser. See Fändreich and Oechelhäuser
 Odling, 1857, 92
 O'Neil. See Mason, De Kay, Warner, Robertson, O'Neil, Boyesen, Isdahl, Gade, Heenan, McDaniel, and Smith
 Ostwald. See Landolt, Ostwald, Seubert
 Ouvrard. See Troost and Ouvrard
 Owens, 1899: 728. See also Rutherford and Owens
 Paijkull, 1877: 194
 Palmer, 1895: 419
 Palmar. See Krüss and Palmar
 Pavlicek. See Branner and Pavlicek
 Pegram, 1901: 927; 1901: 932
 Penfield, 1882: 244
 Penfield and Sperry, 1888: 316
 De Perrodil, 1898: 653
 Petterson, 1888: 321; 1890: 337
 Petterson, 1873: 162; 1896: 465; 1900: 774. See also Nilson and Petterson
 Pfeiffer, 1902: 1084
 Phipson, 1896: 478; 1896: 493
 Pierron, 1900: 850
 Pissarjewsky, 1900: 793; 1900: 797; 1902: 1046; 1902: 1056
 Playfair and Jonle, 1846: 62
 Polis, 1893: 375
 Popp, 1864: 119
 Possetto, 1898: 587
 Power and Shelden, 1900: 772
 Prandtl. See Hofmann and Prandtl
 Pratt. See Hidden and Pratt

- Preis, 1897: 560
 Preyer, 1896: 511
 Prior, 1892-1894: 365; 1896: 497; 1899: 737. See also Hussak and Prior
- Radominski, 1873: 164; 1874: 165, 166
 Rammelsberg, 1860: 98; 1869: 141; 1869: 142; 1871: 157; 1872: 158; 1876: 185; 1877: 186; 1877: 187; 1881: 226; 1885: 280; 1886: 290; 1886: 293; 1895: 456; 1895: 457
 Ramsay, 1895: 440; 1898: 652; 1901: 977
 Ramsay and Collie, 1896: 466
 Ramsay, Collie, and Travers, 1895: 453
 Ramsay and Zilliacus, 1897: 561
 Rasch, 1900: 846; 1901: 1013
 Readwin, 1877: 190
 Redner, 1901: 989
 Reitinger. See Kraus and Reitinger
 Renard, 1881: 225
 Retgers, 1896: 512
 Reynolds, 1902: 1066
 Richards, 1893: 387; 1898: 592; 1899: 733; 1899: 741; 1900: 834; 1901: 1008; 1902: 1043
 Roberts-Austen. See McLeod, Roberts-Austen, Madan, and Nagel
 Robertson. See Mason, De Kay, Warner, Robertson, O'Neil, Boyesen, Isdahl, Gade, Heenan, McDaniel, and Smith
 Roelig, 1898: 638
 Rogers, 1901: 955
 Rolig. See Muthmann and Rolig
 Roscoe, 1882: 240
 Roscoe, Lockyer, Dewar, Gibbs, Liveing, Schuster, Hartley, Abney, and Watts, 1886: 294; 1900: 824
 Roscoe, Watts, Lockyer, Dewar, Liveing, Schuster, Hartley, Gibbs, and Abney, 1902: 1116
 Rose, G., 1839: 38; 1839: 40; 1840: 45; 1842: 51
 Rose, H., 1827: 11; 1839: 43; 1844: 55; 1851: 79; 1852: 80; 1853: 87; 1862: 103; 1862: 104
 Rosenheim and Schilling, 1900: 784
 Roozeboom, 1890: 346
 Russell. See White and Russell; also White, Russell, and Traver
- Rutherford, 1900: 768; 1900: 769; 1900: 880; 1901: 914; 1901: 930; 1901: 951; 1901: 966; 1902: 1036; 1902: 1061; 1902: 1068; 1902: 1115
 Rutherford and Allen, 1901: 967; 1901: 1016; 1902: 1123
 Rutherford and Miss H. T. Brooks, 1902: 1063; 1902: 1078
 Rutherford, Coutts, Trotter, and McDonald, 1899: 725
 Rutherford and Grier, 1902: 1090; 1902: 1091; 1902: 1096
 Rutherford and McClung, 1901: 883
 Rutherford and Owens, 1899: 752
 Rutherford and Soddy, 1902: 1021; 1902: 1029; 1902: 1072; 1902: 1073; 1902: 1074; 1902: 1076; 1902: 1104; 1902: 1105
 Rutton, 1902: 1083
 Rydberg, 1897: 554; 1900: 771
- Sachs, 1901: 906
 Salomons, 1898: 661
 Salomon, 1900: 877
 Salzenberg, 1900: 866
 Samtleben, 1900: 810
 Santer, 1901: 997
 Sartori, 1901: 939
 Scheerer, 1840: 47; 1845: 57; 1859: 95; 1860: 97
 Scheibe, 1899: 756
 Scheurer and Brylinski, 1897: 545; 1898: 646; 1898: 647; 1898: 648
 Schilling, 1901: 998; 1902: 1049; 1902: 1098. See also Rosenheim and Schilling.
 Schirmeisen, 1900: 798
 Schmelck, 1895: 420
 Schmidt, 1893: 391; 1898: 596; 1898: 606; 1898: 607
 Schneider, 1895: 417
 Schoonjans, 1900: 857
 Schüler, 1899: 701
 Schuster. See Roscoe, Lockyer, Dewar, Gibbs, Liveing, Schuster, Hartley, Abney, and Watts; also Roscoe, Watts, Lockyer, Dewar, Liveing, Schuster, Hartley, Gibbs, and Abney
 Schützenberger and Boudouard, 1897: 532; 1897: 533
 Schweidler. See Meyer and Schweidler

- Sepulchre, 1893: 390
 Secretary of the Chemische Gesellschaft
 zu Stockholm, Sept. 21, 1899, 1899: 700
 Séquard, Donilhét, et Chenel, 1900: 842
 Seubert. See Meyer and Seubert; also
 Landolt, Ostwald, and Seubert
 Shapleigh, 1897: 553
 Shedden. See Power and Shedden
 Shepard, 1840: 46
 Siemens and Halske, 1900: 828; 1902:
 1058
 Smith, 1877: 191; 1877: 195; 1877: 196;
 1878: 197; 1878: 198; 1878: 205;
 1883: 259; 1896: 518c; 1901: 919.
 See also Mason, De Kay, Warner,
 Robertson, O'Neil, Boyesen, Isdahl,
 Gade, Heenan, McDaniel, and Smith
 Smith and Harris, 1895: 421
 Soddy, 1902: 1030; 1902: 1075; 1902:
 1077. See also Rutherford and Soddy
 Söderbaum, 1885: 288
 Söhren, 1896: 483; 1896: 485
 Soret, 1878: 201; 1879: 209; 1880: 217
 Sperry. See Penfield and Sperry
 Staigmüller, 1902: 1099
 Steele, 1901: 922
 Sterba, 1901: 936
 Stevens, 1901: 893; 1902: 1047
 Stewart, 1900: 871
 St. John, 1895: 418
 Stoney, 1902: 1067
 Stranbel. See Winkelmann and Strau-
 bel
 Strauss. See Hofmann and Strauss;
 also Hofmann, Korn, and Strauss
 Sness, 1901: 957
 Swinburne, 1899: 673; 1899: 674

 Tarugi and Checchi, 1901: 969
 Tassin, 1897: 583
 Thalèn, 1868: 137
 Theel. See Witt and Theel
 Thesen, 1895: 423
 Thiele, 1900: 781
 Thomson, 1902: 1060
 Thorpe, 1895: 437
 Topsøe, 1874: 167
 Townes, 1895: 448
 Traube, 1901: 968
 Traver. See White and Traver; also
 White, Russell, and Traver
 Travers. See Ramsay and Travers; also
 Ramsay, Collie, and Travers
 Troost, 1885: 278; 1885: 282; 1893: 373;
 1893: 378
 Troost and Onvrard, 1886: 292; 1887:
 300; 1887: 312; 1889: 327
 Trotter. See Rutherford, Coutts, Trot-
 ter, and McDonald
 Truchôt, 1898: 588; 1898: 633; 1899:
 743
 Tschernik, 1896: 462; 1896: 518. See
 also Addenda, 1896: 462; 1896: 518

 Urbain, 1896: 470; 1897: 551; 1900:
 775
 Urbain, G. and E., 1901: 888

 Van der Plaats, 1866: 291
 Verneuil. See Wyrnonhoff and Ver-
 neuil
 Vincent, 1902: 1064
 Voelker, 1898: 604
 Von Schéele and Benedicks, 1901: 894
 Vogt, 1895: 433; 1898: 605; 1899: 754.
 See also Brögger and Vogt
 Volek, 1894: 405
 Volk. See Krüss and Volk

 Waegner, 1902: 1101
 Walker, 1891: 361
 Wallmann, 1817: 1. See also Galm,
 Wallmann, Eggertz, and Berzelius
 Wallroth, 1883: 256
 Warner. See Mason, De Kay, Warner,
 Robertson, O'Neil, Boyesen, Isdahl,
 Gade, Heenan, McDaniel, and Smith
 Watt, 1881: 235
 Watts, 1881: 228. See Brauner and
 Watts
 Watts, H., 1894: 395
 Watts, M. See Roscoe, Lockyer, Dewar,
 Gibbs, Liveing, Schuster, Hartley, Ab-
 ney, and Watts
 Weber. See Hintz and Weber
 Websky, 1867: 133
 Weibull, 1881-1882: 237
 Weibye, 1848: 69
 Weiss, 1901: 1010
 Wells, 1901: 1001
 Wells and Willis, 1901: 945

- von Welsbach. See Auer von Welsbach
 Wenghöffer, 1897: 528
 Westphal, 1895: 455
 White and Russell, 1901: 958
 White, Russell, and Traver, 1902: 1033
 White and Traver, 1902: 1035
 Whitney, 1849: 71
 Wiechmann, 1899: 676
 Wiik, 1875: 176
 Wild. See Nernst and Wild
 Willgerodt, 1887: 303
 Williams. See Dawson and Williams
 Willis. See Wells and Willis
 Wills and Liebknecht, 1899: 765
 Winkelmann and Straubel, 1896: 488
 Winkler, 1891: 357; 1897: 583*a*; 1898: 636; 1899: 759
 Winther. See Flink, Boggild, and Winther
 Wislicenus, 1896: 494
 Witt, 1894: 410; 1896: 467; 1897: 525; 1901: 896; 1901: 996
 Witt and Theel, 1900: 786
 Wöhler, 1826: 10; 1833: 29; 1839: 42; 1846: 61; 1847: 63
 Wöhler. See Engler and Wöhler
 Woitschach, 1882: 243
 Wöfl. See Hofmann and Wöfl
 Wyruboff, 1896: 476; 1898: 634; 1901: 890; 1901: 897; 1901: 898; 1901: 935; 1901: 938; 1901: 974; 1901: 1014
 Wyruboff and Verneuil, 1897: 542; 1897: 546; 1897: 556; 1897: 558; 1898: 584; 1898: 585; 1898: 586; 1898: 619; 1899: 711; 1899: 735; 1900: 859
 Zerban. See Hofman and Zerban
 Zilliacus. See Ramsay and Zilliacus