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TO THE

LITERATURE OF MANGANESE,

1596. — 1874.

By

H. CARRINGTON BOLTON, Ph. D.

[Reprinted from the Annals of the Lyceum of Natural History, N. Y., Vol. xi,
November, 1875.]

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XXIII.—Index to the Literature of Manganese, 1596–1874.

By H. CARRINGTON BOLTON.

Read December 14, 1874.

* General Literature, 1740–1874; for Minerals see next Section.

1740	Pott		Examen chymicum magnesiae vitriariorum. Germanis Braunstein. Miscell. Berolinensia, VI. 40.
1765	Rinnmann	Braunsteinkönig	Versuch einer Geschichte des Eisens. Abh. Schw. Akad. Wiss., 1765. 251.
1767	Westfield	Researches	Vetensk. Acad. Handl., 1765. 241. Mineral. Abhandl., 1767. See: Scheele's Chem. Essays. London. 1786.
1770	Kaim and Winterl		De metallis dubiis. Viennae, 1770. 4to.
1774	Scheele	Researches	Opuscula, I. 227. Abhandl. Schw. Akad. Wiss., XXXVI. 95. Vetensk. Acad. Handl., 1774. 89. Crell's N. Entd., I. 112 & 146. Scheele's Chem. Essays. London, 1786.
1774	Eugeström		Vetensk. Acad. Handl., 1774. 196. Abhandl. Schw. Akad. Wiss., 1774. 201.
1774	Bergmann	Researches	Scheele's Chem. Essays. London, 1786. Vetensk. Acad. Handl., 1774. 194. Abhandl. Schw. Akad. Wiss., 1774. 199. Bergmann's Opuscula, II. 201. Crell's Ann., 1784. II. 397. Crell's N. Entd. I, 156, 1781.
1775	Margraff	Researches	Ahh. Acad. Wiss. Berlin, 1775. 3. Journ. de Phys., XV. 223.
1776	Hagen		Nova. Acta. Acad. Nat. Curios. VI Append. 329.
1778	Hjelm		Vet. Acad. Handl., 1778. 82. Abhandl. Schw. Akad., 1778. 78. Crell's N. Entd., VI. 164.
1779	de Morveau		Journ. de Phys., XIII. 470.
1780	de Morveau	Chameleon (?)	Journ. de Phys., XVI. 348.
1780	Anonymous	Researches	Vet. Acad. Handl. 1780, I, 282. Crell's N. Entd. VIII, 191. Crell's N. Entd. IV, 24. Crell's N. Entd. V, 70.
1781	Hseman		Schw. Berl. Ges. Naturf. Fr. IX, 101.
1782	Bindheim	Chameleon mineral	Beoh. Berl. Ges. Naturf. Fr. V, 451. Crell's Ann. 1785, II, 433.
1785	Volta	Use of MnO ² in preparation of chlorine	
1785	Hjelm		Vet. Acad. Nya. Handl. 1785, 141.
1785	Gerhard	Dendritic figures	Crell's Ann. 1785, I, 56.

* For explanation of abbreviations, see the end of this paper.

1786	Hermbstädt	Preparation of O from MnO ₂	Crell's Ann. 1786, I, 316.
1786	Rinmann		Crell's Ann. 1786, I, 357.
1787	Hermbstädt		Crell's Ann. 1787, I, 152 and 296.
1787	Hjelm		Crell's Ann. 1787, I, 158 and 446.
1788	Gmelin	Alloy with copper	Crell's Ann. 1788, II, 3. A. c. p. (1), I, 303.
1788	Porcel	Separation from iron	Journ. de Phys. XXXIII, 436.
1788	Achard		Abh. Acad. Wiss. Berlin, 1788-89, 32.
1789	Hjelm	Preparation of O from MnO ₂	Vet. Akad. Nya. Handl. 1789, 161. Neue Abh. Schw. Akad. 1789, 149.
1789	Anonymous	Preparation of metal by wet process	A. c. p. (1), VI, 31.
1789	Klaproth		Crell's Ann. 1789. A. c. p. (1), VI, 6.
1789	Bindheim	Preparation of metal by wet process	Schrift. Ges. Naturf. Fr. Berlin. IX, 101. A. c. p. (1), VI, 15. Crell's Ann. 1789, II, 31 and 117.
1789	Gadolin		Vet. Acad. Handl. 1789. Crell's Ann. 1790, I, 129. A. c. p. (1), IX, 97. Gren's. J. d. Physik. I, 264.
1790	Sags	Occurrence in Spathic iron	J. d. m. XVIII, 215.
1790	Sage	Researches	J. de Phys. XXXVII, 28. Crell's Ann. 1790, II, 441.
1790	de Morveau	Chameleon mineral	J. de Phys. XXXVII, 386.
1791	Fuchs		Geschichte des Mn. Jena. 1791.
1792	Hermbstädt	Separation from iron by tartaric acid	Crell's Ann. 1792, II, 315.
1792	Pelletier	Phosphide	A. c. p. (1), XIII, 137.
1792	Fuchs	Preparation of metal from sulphate	Crell's Ann. 1792, I, 225. A. c. p. (1), XIX, 359.
1793	Gmelin	Alloys	Crell's Ann. 1793, I, 99. A. c. p. (1), XIX, 367. A. c. p. (1), VII, 287.
1794	Vauquelin and Bouvier		Crell's Ann. 1794, I, 407.
1795	Bucholz	Sulphate, etc.	Beiträge. I, 29.
1796	Richter	Separation from iron	Crell's Ann. 1796, II, 390.
1797	Kirwan	Tech. estim.	Crell's Ann. 1797, II, 436.
1797	Kirwan	Magnetic properties	Trans. Roy. Irish Acad. VI, 177. Gilb. Ann. VI, 405.
1799	Proust	Occurrence in vegetable kingdom	J. de Phys. XLVIII, 469.
1799	Vauquelin	Separation from iron	J. d. M. V, 15.
1799	Phillips		Phil. Mag. (1), V, 214.
1800	Ritter	Magnetic properties	Gilb. Ann. IV, 20.
1801	Gazeran	Mn. in steel	A. c. p. (1), XXXVI, 61. Crell's Ann. 1801, II, 326.
1801	Bordier	Oxides	A. c. p. (1), XLI, 150.
1804	Proust	Occur. in meteorites	Gehlen's J. III, 429. Gilb. Ann. XXIV, 284, 296, 380.
1804	Thomson	Purification of Au, Ag by MnO ₂ (?)	Gehlen's, J. II, 692.
1805	Ritter	Occurrence in meteoric iron	Gehlen's, J. V, 397. Schweigg. IV, (1), 23.

1805	Bucholz		A. c. p. (1), LVI, 86.
1805	Foucroy	Monograph	Encyclopédie Méthodique. IV, 672.
1806	Brugnatelli		Gilb. Ann. XXIII, 214.
1806	de la Méthérie	Catalogue of analyses	J. de Phys. LXII, 337.
1807	Thénard	Occurrence in an aërolite	Gilb. Ann. XXIIV, 198; 207.
1807	Preust	Sulphide	Gilb. Ann. XXV, 204.
1807	J. F. John	Researches	Gehlen's, J. III, 452; IV, 436. Ann. Phil. II, 172 and 263; III, 413. J. d. M. XXII, 139, 245 et seq.; XXIII, 195. Ann. Mus. d' Hist. Nat. XII, 136. Brugnatelli, G. I, 497.
1808	Reynolds	Use in mnf. of steel	Repert. Arts and Mnfrs. XII, 151.
1808	Vauquelin and Foucroy	Occurrence in bones	Ann. Mus. d' Hist. Nat. XII, 136. Brugnatelli, G. I, 497.
1811	Berzelius and Hedenburg	Sulphide	Schweigg. II, 160.
1811	Vauquelin	Sulphide	Gilb. Ann. XXXIX, 432. Ann. Musée. d. Hist. Nat. XVII, 16.
1811	Bucholz	Separation from Fe.	J. d. Mines. XXX, 301. A. c. p. (1), LXXXIX, 310. Ann. Phil. II, 287.
1812	Pfaff	Separation from Fe.	Schweigg. IV, 368.
1813	Davy	Hydrated protoxide	Schweigg. VII, 514.
1813	Vogel	Oxides	Schweigg. VII, 191.
1813	Berzelius	Oxides	Trommsd. J. d. Pharm. (2), II, 359. Schweigg. VII, 76. A. c. p. (2), V, 149.
1813	Roloff	Chameleon Sol. a test for As_2O_3	Schweigg. VII, 420.
1814	J. Davy	Chloride	Schweigg. X, 329.
1814	Prechtl	Occurrence in steel	Schweigg. X, 96.
1815	Fischer	vide Roloff	Schweigg. XII, 194.
1815	Schweigger	Sulphate	Schweigg. XIV, 377.
1815	Hatchett	Sep. from Fe.	Ann. phil. II, 343. Schweigg. XIV, 352.
1815	Brandenburg	Sulphate	Schweigg. XIV, 336.
1815	Vauquelin	Occurrence in hair	Schweigg. XII, 194.
1817	Chevrenl	Chameleon	A. c. p. (2), III, 42. Phil. Mag. I, 291. Schweigg. XX, 324. Trommsd. J. d. Pharm. (2), II, 188.
1817	Grotthuss	Sep. from Fe.	Schweigg. XX, 272.
1817	Clarke	MnO_2 conducts electricity	Schweigg. XXI, 391.
1817	Chevillot and Edwards	Examination of "chameleon mineral"	Trommsd. J. d. Pharm. (2), II, 199; III, 133. A. c. p. (2), IV, 287; VIII, 237. Schweigg. XX, 332.
1817	Berzelius	Oxides	A. c. p. VI, 204.
1818	Berzelius	At. Wt.	Schweigg. XXII, 336.
1818	Berzelius	Seleniate	Schweigg. XXIII, 456.
1818	Mnshet	Occurrence in steel	Gilb. Ann. LVIII, 156.
1818	Arfvedson	Oxides	Ahandl, Fysik. K. och. M. 1818, 222. Journ. de Phys. LXXXVI, 464. Schweigg. XLII, 202. Ann. Phil. VII, 267. Trommsd. N. J. Pharm. X, 170.

1818	Turner	Oxides	Edinb. J. Sci. IV. Phil. Mag. (2), IV, 22 and 56. Karsten's Archiv. XIV, 359. Schweigg. XXVI, 166.
1819	Faraday	Separation from Fe.	Quart. J. Sci. VI, 357.
1819	Pfaff	Sep. from Fe.	Schweigg. XXVI, 91.
1819	Clarke	Reduction of oxides	Gilb. Ann. LXII, 353.
1820	Pfaff	Oxides	Ann. Gen. des Sci. Phys. VI, 1820, 368.
1820	Van Mons		Ann. Gen. des Sci. Phys. V, 1820, 284.
1820	Doebereiner	Prep. of O by Mn O ₂ and H ₂ SO ₄	Schweigg. XXVIII, 247. A. c. p. (2), XVI, 109, 267.
1820	Forchhammer	Two acids	Trommsd. J. d. Pharm. VI, (1), 277. Ann. Gen. Sci. Phys. Ann. Phil. (1) XVI, 130. Quart. J. Sci. X, 175.
1820	Gahn	Blowpipe reactions	Schweigg. XXIX, 308.
1821	Forchhammer	Oxides	Ann. Phil. (2), I, 50.
1821	Braconnot	Mn in waters	A. c. p. (2), XVIII, 223. Schweigg. XXXIII, 487.
1821	Pfaff	Action H ₂ S on Mn SO ₄	Schweigg. XXXIII, 475.
1821	Herschell	Sep. from Fe.	Ann. Phil., N. S. III, 95. A. c. p. (2), XX, 304. Schweigg. XXXII, 452.
1822	Ure		Dingler pol. J. VIII, 451.
1822	Berthier	Researches on oxides	A. c. p. (2), XX, 186. Dingl. pol. J. IX, 243. Schweigg. XXXVI, 303.
1822	Gmelin	Cyanide Mn and K.	Schweigg. XXXVI, 223.
1824	Fromherz	Permanganic Acid	Schweigg. XLI, 257. Pogg. XXXI, 677.
1825	Fromherz	Colored salts	Schweigg. XLIV, 327.
1825	Fromherz	Sulphides	Pogg. I, 50.
1825	Geiger		Geiger. Mag. Pharm. XI, 27.
1825	Berzelius	Fluoride	Pogg. I, 24.
1825	Berzelius	Fluossilicate	Pogg. I, 197.
1825	Berzelius	Sulphocarbonate	Abh. Schw. Akad., Wiss. 1825. Pogg. VI, 454. A. c. p. (2), XXXII, 87.
1825	Gmelin	Physiological action of Mn	Schweigg. J. XLIII, 110. Edinb. Med. Surg. J. XXVI, 137.
1826	Berzelius	Sulpharsenate	Pogg. VII, 24 and 143.
1826	Bouis	Analysis	Dingler, pol. J. XXI, 331.
1826	Unverdorben		Trommsd. J. Pharm. (1), IX, 36. Pogg. VII, 322.
1826	Nasse	Use in coloring porcelain	Schweigg. XLVI, 79.
1826	Dumas	Acichloride	A. c. p. (2), XXXIII, 390. Berz. Jahresb. VII, 112.
1826	Berzelius	Sulphomolybdate	Pogg. VII, 274.
1826	Doebereiner		Doeb. Lehrb. d. Chem. 1826.
1826	Berzelius	At. Wt.	Pogg. VIII, 185; XIV, 211.
1826	Heeren	Hyposulphate	Pogg. VII, 55 and 180.
1827	Phillips		Ann. Phil. 1827, 341. Dingler pol. J. XXIV, 371.
1827	Hünefeld	Sulphate	Schweigg. L, 346.

1827	Stromeyer	Sep. from CaO and Al ₂ O ₃	Pegg. XI, 169. Schweigg. LI, 222. Geiger's Mag. Pharm. XXII, 339.
1827	Dumenil	Sep. from Fe.	Schweigg. LI, 225.
1827	Wöhler	Fluoride	Pegg. IX, 619. A. c. p. (2), XXXVII, 191.
1827	H. Rose	Phosphite	Pogg. IX, 33 and 224.
1827	Unverdorben	Sylvate	Pegg. XI, 400.
1827	McMullen	Prep. of Cl	Ann. Phil. 1827, 142. J. of Roy. Inst. XXII, 231. Phil. Mag. I, 313.
1827	Dumas	Acichloride	Pegg. XI, 165; Quart. J. Sci., II, 475. A. c. p. (2), XXXVI, 82. Berz. Jahresh. VIII, 177. Geiger's Mag. Pharm. XXI, 122. Journ. de Pharm.
1827	Quesneville, Jr.	Separation from Fe.	A. c. p. (2), XXXIV, 198.
1828	H. Rose	Hypophosphite	Pogg. XII, 87.
1828	Pfaff	Sulphate	Schweigg. LIII, 121.
1828	Turner	Researches	Phil. Mag. 1828. Pogg. XIV, 211. Geiger's Mag. Pharm. XXVI, 111. Dingler. J. XXX, 74.
1828	Erdmann	Alloy with Cu	J. techn. Chem. I, 33.
1828	Sprengel	Occurrence in soils	J. techn. Chem. III, 68.
1828	Morin	Estimation of Ca Cl ₂ O ₂ by Mn Cl ₂	Bibl. Univers. 1828, 140. J. techn. Chem. III, 104.
1829	Lassaigne	Purification of oxide	A. c. p. (2), XL, 329. Schweigg. LVI, 163. Dingler. J. XXXIII, 126.
1829	Fischer	Reduction	Pogg. XVI, 128. Kastn. Archiv. XVI, 219. C. C. 1831, 689.
1829	Bonsdorff	Hg Cl ₂ with Mn Cl ₂	Pogg. XVII, 247 and 263.
1829	Berzelius	Vanadate	Pogg. XXI, 58.
1829	Graham	Mn Cl ₂ and alcohol	Phil. Mag. IV, 265. Pogg. XV, 151.
1829	Martini	Sep. from Fe.	Schweigg. LVI, 162.
1829	Gay Lussac	Estimation	J. techn. Chem. IV, 274.
1829	Phillips and Turner	"Warwick oxyd"	Schweigg. LVI, 186.
1829	Henry and Pflsson	Quinate	Journ. Pharm. 1829, 389. Geiger's Mag. Pharm. XXX, 91.
1829	Dingler		Kastner's Archiv. XVIII, 252.
1829	Wright	Recovery	Pat. Specif. Abr. Acids and Salts. 101.
1829	Bachmann	Metal and oxides	A. c. p. (2), XXXIX, 244. Pogg. XV, 284.
1830	Wurzer	Mn. in blood	Schweigg. LX, 481. Geiger. Mag. Pharm. XXXII, 379. Am. J. Sci. XXI, 370.
1830	Hünefeld	Preparation of man- ganates	Schweigg. LX, 133.
1830	Berzelius	At. Wt.	Geiger. Mag. Pharm. XXXII, 298.
1830	Brandes	Researches	Pogg. XX, 556; XXII, 225. Ann. d. Mines. (3), II, 320. C. C. 1831, 267.

1830	Berthemot	Bromide	A. c. p. (2), XLIV, 392.
1830	Fuss	Preparation pure MnO.	Schweigg. LX, 345. C. C. 1831, 107.
1830	Bachmann	Monograph	See Schweigg. LVIII, 388.
1830	H. Rose	Ammonio-sulphate	Pogg. XX, 148.
1831	Liebig and Wöhler	Protoxide	Pogg. XXI, 584. Geiger Mag. Pharm. XXXIV, 140.
1831	Becquere	Detection by galv- anism	Mém. de l'Inst. X, 266. A. c. p. (2), XLIII, 380. C. C. 1831, 809.
1831	Hünefeld and Wibmer.	Physiological action	C. C. 1831, 96.
1831	Liebig (?)	Separation from Fe.	Geiger's Mag. XXXV, 111. C. C. 1831, 747.
1831	Turner	Estimation of Ores	A. c. p. (2), XLVIII, 290. J. of Roy. Inst. I, 293. Rep. Pat. Inv. XI, 224. Phil. Mag. IX, 235. J. techn. Chem. X, 485. Ann. d. Mines. (3), II, 321. Dingler. XL, 212. C. C. 1831, 304. Am. J. Sci. XXI, 364.
1831	Sefström	Coloring glass	J. techn. Chem. X, 183.
1831	Fuchs	Separation from Fe.	Schweigg, J. LXII, 192. C. C. 1831, 461.
1831	Serullas	Perchlorate	A. c. p. (2), XLVI, 305. Pogg. XXII, 298. C. C. 1831, 529.
1832	M ^c Mullen	Bleaching power of Mn O ₂	Quart. J. Sci. XXII, 232. Quart. J. Sci. (2), II, 261. Pogg. XXV, 623, note.
1832	Burkhardt	Estimation	J. techn. Chem. XIII, 278.
1832	Lassaigne	Iodide	J. Chem. Med. V, 330. Ann. d. M. (3), I, 114.
1832	Ohlmann		Schweigg. LXVI, 239.
1832	Duflos	Estimation in ores	Schweigg. LXIII, 346, LXIV, 81.
1832	Mitscherlich	Acids	Abh. Acad. Wiss. Berlin, 1832. A. C. P. II, 5. A. c. p. (2), XLIX, 113. Schweigg. LXV, 62. Pogg. XXV, 287.
1832	Pearsall	Color of solutions	J. of Roy. Inst. IV, 49. Ann. d. Mines. (3), II, 319. Pogg. XXV, 622.
1832	Berthier	Analyses ores	Dingler pol. J. XLVII, 104. A. c. p. (2), LI, 79.
1833	Zenneck	Estimation	J. techn. Chem. XVIII, 75. Am. J. Sci. XXIX, 374.
1833	Gübel	Prep. Mn O ₂	Schweigg. LXVII, 77.
1833	Trommsdorff	Valerianate	Trommsd. J. Pharm. XXVI. A. C. P. VI, 201. Pogg. XXV, 154.
1833	Gay Lussac and Pelouze	Lactate	A. c. p. (2), LII, 410. A. C. P. VII, 46. Pogg. XXIX, 117.

1833	Wöhler	Permanganates	Pogg. XXVII, 626. Ann. d. Mines. (3), V, 457. A. C. P. XI, 241.
1834	Demarçay	Quantitative Separation	
1834	Berzelius	Tellurate	Pogg. XXXII, 595 & 607.
1834	Joss	Preparation of $H_2 Mn_2 O_3$	J. p. C. I, 125.
1834	Vogel	Prep. of Cl.	J. p. C. I, 446.
1834	Fromherz	Permanganates	Pogg Ann. XXXI, 677.
1834	Otto	Arsenate of Mn and NH_4	J. p. C. II, 414.
1834	Böttger	Action Hg Na on sulphate	J. p. C. III, 284.
1834	Doehereiner	Action alcohol on MnO_2	J. p. C. I, 452.
1835	Zeller	Separation from Fe	J. p. C. V, 33. C. C. 1835.
1835	Thomson	Estimation ores	Records Gen'l Sci. 1836, 412. Pol. Centr. 1836, 788. J. p. C. IX, 433. Ann. d. Mines. (3), XI, 249. Dingl. LXI, 55.
1835	Balard	Bromide	J. p. C. IV, 178.
1835	Bonnet	Reduction by Δ_{2O_3}	Pogg. XXXVII, 303.
1835	Everitt	Prep. of salts for technical uses	Phil. Mag. (3), VI, 193. J. p. C. V, 33. Dingler pol. J. LVI, 129. Pol. Centr. 1835, 360.
1835	Berzelius	Pyrotartrate	Pogg. XXXVI, 18.
1835	Gay Lussac	Volumetric estimation	A. c. p. Nov., 1835. Pol. Centr. 1836, 288. A. c. p. XVIII, 47.
1835	Gregory	Permanganic acid	J. pharm. XXI, 312. A. C. P. XV, 237.
1835	Winkelblech	Oxalate	A. C. P. XIII, 280. J. p. C. VI, 67.
1835	Graham	Sulphate	Trans. Roy. Soc. Edinb. VIII. Pogg. XXXVIII, 123. A. C. P. XX, 147.
1836	Baup	Pyrocitrate	A. C. P. XIX, 34.
1836	Regnault		A. c. p. (2), LXII, 349 and 381.
1836	Anthon	Tungstate	J. p. C. IX, 340.
1836	Wittstein		Buchn. Repert. LVII, 30.
1836	Zeller	Recovery of Cl residues	J. p. C. VII, 137. A. C. P. XX, 172.
1836	Osborn	Mn Cl_2 for nose bleeding	Allg. med Ztg Juli. 1836. A. C. P. XXI, 86.
1836	Böttger	Carbonate	Beitr. zur Phys. u. Ch. II, 12.
1837	Ebelmen	Analytical	Ann d. M. (3), XII, 607. J. p. C. XIV, 312.
1837	Gay Lussac	Use of MnO_2 in sep. CO_2 from SO_2	A. c. p. (2), LXIII, 333. A. C. P. XXIII, 79.
1837	Richter	Sep. from ZnO	J. p. C. IX, 159. Ann. d. Mines. (3), XIII, 460. A. C. P. XXIV, 309.
1837	Marchand	Sulphethylate	J. p. C. XII, 263.

1837	Berthier		Ann. d. Mines. (3), XI, 489.
1837	Gay Lussac	Decomp. of sulphate by carbon	J. p. C. IX, 67.
1837	Heller	Rhodizionate	J. p. C. XII, 228.
1837	Heller	Croconate	J. p. C. XII, 238.
1837	Brett		Phil. Mag. (3), X, 98 and 335.
1837	Böttger	Amalgam	Beitr. zur. Phys. u. Ch. I, 302, and III, 278. J. p. C. XII, 350.
1837	Rammelsberg	Cyanide of Mn. and K.	Pogg. XLII, 117.
1838	Cooper	Physiological action	J. de chim. Medicale. 1838. Pol. Centr. 1838, 29. Dingl. J. LXVII, 236.
1838	Anthon	Solubility of sulphate in alcohol	Buchner's Repert. II, 13. J. p. C. XIV, 125.
1838	Jahn	Sulphide	A. C. P. XXVIII, 101.
1838	Rammelsberg	Iodate	A. C. P. XXVIII, 213. Pogg. XLIV, 588. C. C. IX, 673.
1838	Wackenroder	Sep. from Fe. Ni and Co.	Büchn. Repert. LXV, 208.
1838	Simon		Archiv. d. Pharm. (2), XVI, 114.
1838	Wackenroder		A. C. P. XXIX, 217.
1839	Wöhler	Sep. from Co.	Ann. d. Mines. (3), XV, 492. J. p. C. XVII, 492.
1839	Brown	Carburet	Bullet. Scient. V, 203.
1839	Fikentscher	Techn. estimation	J. p. C. XVII, 173. Dingl. J. LXXIII, 204. Pol. Centr. 1839, 665.
1839	Binks	Recovery of Mn O ₂	Pat. Specif. Abridge. Acida. Alkalies, etc. 149.
1839	Graham	Chloride	A. C. P. XXIX, 31.
1840	Böttger	Elect. depos.	Pogg. L, 49.
1840	Fellenberg	Action of Cl on sul- phide	Pogg. L, 76.
1840	Erdmann	Mineral waters	J. p. C. XXI, 399.
1840	Ebelmen	Techn. recovery of Mn O ₂	Ann. d. Mines. (3), XVII, 517.
1840	Münzing		Dingl. LXXVI, 364. Pol. Centr. 1840, 538.
1841	Rammelsberg	Sulphantimoniate	Pogg. LII, 193. A. C. P. XL, 286.
1841	Ullgron	Sep. from Co.	Chem. Gaz. I, 13. Berz. Jahresb. XXI, 147. Ann. d. Minea. (4), II, 206. A. C. P. XL, 266.
1841	Wöhler	Action of Cl on oxide	A. C. P. XXXIX, 253.
1841	Bensch	Chromate	Pogg. LV, 97. A. C. P. XLIV, 272.
1841	Warrington	Chromate	Phil. Mag. XXI, 380. Chem. Soc. Trans. 1842. A. C. P. XLIV, 272.
1842	Levol	Estimation	Dingl. J. LXXXV, 299. Ann. d. Mines. (4), II, 205. J. p. C. XXVI, 151. Pol. Centr. 1842, 874.

1842	Millon	Nitrate	A. c. p. Sept., 1842, 73. J. p. C. XXIX, 351. C. R. XIV, 905. A. C. P. XLIII, 133.
1842	Haidlen and Fresenius	Action of KCy on solutions	Pogg. LVI, 305.
1842	Rammelsberg	Hyposulphite	Am. J. Sci. (1), XLII, 81.
1842	Lea	Estimation ores.	A. C. P. XLI, 20.
1842	Fresenius	Racemate	Leouh. Jahrb. 1842, 599.
1842	Rammelsberg	Anal. Ps.	Chem. Gaz. I, 180.
1842	Otto	Test for Mn.	A. C. P. XLII, 347. Am. J. Sci. XLVII, 194. Ann. d. Mines. (4), III, 569. Dingl. J. LXXXV, 296. Pol. Centr. 1842, 876.
1842	Otto	Estimation	Pogg. LVI, 73. Pogg. LV, 66.
1842	Meitzendorff	Sulphocyanide	J. p. C. XXX, 326.
1842	Rammelsberg	Bromate	A. C. P. XLVII, 180.
1843	Wächter	Chlorate	A. C. P. XLVII, 275.
1843	Heldt	Citrates	A. c. p. (3), VIII, 503.
1843	Doeppling	Succinate	Ann. d. Mines. (4), IV, 409.
1843	Ehelsen	Estimation as MnO	A. C. P. XLVIII, 369. Chem. Gaz. 1843, 685.
1843	Fresenius and Will	Estimation	Dingl. J. XC, 219. Pol. Centr. 1843, 394. Pamphlet, Heikelberg. 1843. Chem. Gaz. 1844, 52.
1843	Walters	Recovery	Pat. Specif. Abr. 197.
1844	Rieckher	Fumerate	A. C. P. XLIX, 46.
1844	Muspratt	Sulphite	A. C. P. L, 280.
1844	Schaffner	Hydrated oxide	A. C. P. LI, 170.
1844	Arrot	Recovery	Chem. Gaz. 1845, 73. Pat. Specif. Abr. 211.
1844	Arrot	Double sulphate	Phil. Mag. (3), XXIV, 502. Rep. Pat. Inv. 1845, 323. A. C. P. LII, 243. Pol. Centr. 1845, II, 430. Dingl. XCVI, 301.
1844	Böttinger	Sulphite	A. C. P. LI, 405.
	Apjohn	Ores from Cork	Trans. Irish Acad. II, 598.
1844	Rammelsberg	Anal. Kali-Ps.	Leon. Jahrb. 1844, 205.
1844	Elaner	Purification of Sul- phate	Hoffmann's Mitth. 1843, 20. Pol. Centr. 1844, II, 48.
	Barnes and Mercer	Mordant	Chem. Gaz. 1844, N. 46. Pol. Centr. 1845, I, 384.
1845	Cloez	Sep. Co. from Mn.	Journ. Pharm. Feb., 1845. Chem. Gaz. 1845, 102.
1845	Crum	Test for Mn.	A. C. P. LV, 219. Chem. Gaz. 1845, 502. Am. J. Sci. (2), I, 262. Ann. d. Mines. (4), XI, 496.
1845	Schlieper	Alloxanate	A. C. P. LV, 280.
1845	Buchner	Tannate	A. C. P. LIII, 211.
1845	Delanoue	Ores of Orsay	Bull. Géol. Soc. Paris. III, 47.

1846	Phillips	Test for Mn.	Chemist, Apr. 1846. Am. J. Sci. (2), II, 259.
1846	Pierre	Sulphate of Mn and K + aq	A. c. p. (3), XVI, 239. J. p. C. XXXVII, 488.
1846	Ebelmen	Silicate	J. p. C. XXXVII, 257.
1846	Böttger and Will	Styphnate	A. C. P. LVIII, 288.
1846	Völker	On red color of salts	A. C. P. LIX, 27. Chem. Gaz. 1846, 396. J. p. C. XXXIX, 233.
1846	Völker	Sulphides	A. C. P. LIX, 35. J. p. C. XXXIX, 247.
1846	LevoI	Estimation	J. p. C. XXXVIII, 341.
1847	DeVry	Analysis	A. C. P. LXI, 249. Pharm. Centr. 1847, 479. J. c. T. I, 19.
1847	Bobierre	Estimation	Moniteur Industriel. 1847, No. 1190. Dingler, Pol. J. CVII, 448.
1847	Maddrell	Metaphosphate	Chem. Soc. Mem. III, 273. A. C. P. LXI, 56.
1847	Engelhardt and Maddrell	Lactate	A. C. P. LXII, 107.
1847	Rose, H.	Separation	A. C. P. LXIV, 417.
1847	Schöabein	Reagent	Pogg. LXXII, 450 and 466. Jahresb. 1847, 952.
1847	Barreswil]	Separation from Co.	A. c. p. (3), XVII, 53. Am. J. Sci. (2), I, 260. J. p. C. XXXVIII, 171. Pol. Centr. 1847, 642. Berz. Jahresb. XXVII, 214. Chem. Gaz. 1846, 159. J. de Pharm. 1846, 189. Ann. d. Mines. (4), XI, 499. Dingler, J. C, 157. Jahresb. 1847, 974.
1847	Strecker	Criticism on Barreswil	A. C. P. LXI, 219. Chem. Gaz. 1847, 205. Am. J. Sci. (2), IV, 271. Pol. Centr. 1848, 1296.
1847	Lefort	Carbonate.	C. R. XXVII, 268. J. pharm. (3), XV, 18. Jahresb. 1847, 420.
1848	Herrmann	Sesqui salts	Pogg. LXXIV, 303. J. p. C. XLVI, 413. Chem. Gaz. 1848, 325. C. C. 1848, 508. Jahresb. 1848, 421.
1848	Schönbein	Reactions of Mn ₂ O ₇	J. p. C. XLII, 228. Pol. Centr. 1848, 1291. C. C. 1847, 776. Jahresb. 1848, 421.
1848	Rose	Action of NH ₄ Cl on MnO ₂	J. p. C. XLV, 116.
1848	Millon	Occurrence in blood	C. R. XXVI, 41. Pogg. LXXIV, 284. Pol. Centr. 1848, 606.

1848	Schwarzenberg Hautz	Pyro-phosphate $Mn Cl_2 + NH_4 Cl$	A. C. P. LXV, 150. Dingler, J. CIV, 467. A. C. P. LXVI, 285. Jahresb. 1848, 393.
1848	Heintz	Phosphate	Pogg. LXXIV, 449. A. C. P. LXVIII, 257. Am. J. Sci. (2), VIII, 111. Chem. Gaz. 1848, 488.
1848	Ebelmen	Chromate	A. c. p. (3), XXII, 213. A. C. P. LXVIII, 269.
1848	Parkes	Metal	Pol. Centr. 1848, 1338.
1849	Schrötter	Phosphide	Jahresb. 1849, 247.
1849	Millon		C. R. XXVIII, 42. Institut. 1849, 29. C. C. 1849, 203. Jahresb. 1849, 251.
1849	Cottureau	Occurrence in blood	J. chim. méd. (3), V, 179. Jahresb. 1849, 530.
1849	Fleitmann	Dimetaphosphate	Pogg. LXXVIII, 233 and 338. A. C. P. LXXII, 238.
1849	Bödeker	Phosphate	A. C. P. LXIX, 208. Chem. Gaz. 1849, 138.
1849	Muspratt	Selenite	A. C. P. LXX, 275.
1849	Ebelmen	Separation by means of $H_2 S$	A. c. p. (3), XXV, 92. J. pharm. (3), XV, 266. J. p. C. XLVI, 395. A. C. P. LXXII, 329. C. C. 1849, 169. Chem. Gaz. 1849, 82. Jahresb. 1849, 592.
1849	Senarmont	Carbonate	C. R. XXVIII, 693. Institut. 1849, 177. C. C. 1849, 535. Jahresb. 1849, 225.
1849	Elsner		Berl. Gewerbe Handelsbl. 1849, No. 6. Dingl. J. CXII, 461.
1849	Schönbein	Action of Ozone	Pogg. LXXVIII, 162. Jahresb. 1849, 222.
1849	Rammelsberg	Anal. Ps.	Leon. Jahrb. 1849, 574.
1850	Ed. Davy	Test for Mn.	Irish Acad. Proc. IV, 345.
1850	Sobrero and Selmi	Action of Cl on chlor- ide	A. C. P. (3), XXXIX, 161. J. p. C. L, 305. C. C. 1850, 615. A. C. P. LXXVI, 234. Jahresb. 1850, 314.
1850	Bibra	Occurrence in sea water	A. C. P. LXXVII, 90. C. C. 1851, 362. Jahresb. 1850, 621.
1850	Horsford	Occurrence in urine	Am. J. Sci. (2), XI, 259. Jahresb. 1851, 602.
1850	Stein	Arsenite	A. C. P. LXXXIV, 222.
1850	Dubost	Technical	Br. d. Inv. LXXII, 140.
1850	Senarmont	Artificial minerals	A. c. p. (3), XXX, 137.
1850	Kekulé	Sulphetbylate	A. C. P. LXXXV, 289.
1851	Personne et L'Hermite	Acids	J. pharm. (3), XIX, 115 and 161.

1851	J. Davy	Incrustation of MnO ₂	Edinb. Phil. J. (2), LI, 87.
1851	Fairrie	Chromate	Quart. J. Sci. IV, 300. J. p. C. LV, 255.
1851	Lefort	Purification	J. pharm. (3), XX, 243. J. p. C. LIV, 307.
1851	Reynoso	Permanganate	A. c. p. (3), XXXIII, 324. C. R. XXXII, 644. Institut. 1851, 138. J. pharm. (3), XX, 263. J. p. C. LIII, 126. A. C. P. LXXX, 272. C. C. 1851, 525. Jahresb. 1851, 352.
1851	H. Rose	Carbonate	Pogg. LXXXIII, 147, and LXXXIV, 52. Berl. Acad. Ber. 1851, 597. J. p. C. LIV, 23. C. C. 1851, 778. A. C. P. LXXX, 235. Chem. Gaz. 1851, 457. Institut. 1852, 69. Jahresb. 1851, 304.
1851	Burin de Buisson	Occurrence in blood	Sur l'exist. de Mn. dans le sang, etc. Lyons, 1852. J. chim. méd. (2), VIII, 392. Jahresb. 1852, 702.
1852	Murdoch	Benzoate as pigment	Pat. Specif. Abr., 346.
1852	Gibbs	Separation	Am. J. Sci. (2) XIV, 204. Chem. Gaz. 1852, 368. A. C. P. LXXXVI, 52. J. p. C. LVIII, 241. Jahresb. 1852, 728.
1852	Müller	Technical estimation	A. C. P. LXXX, 98. Pol. Centr. 1852, 312. C. C. 1852, 312. Chem. Gaz. 1852, 75. Dingl. J. CXXXIV, 50.
1852	Scheerer	Hydrated Carbonate	Pogg. LXXXVII, 87..
1852	Schabus	Testing	Pol. Centr. 1852, 571.
1852	Chapman	Detection	Phil. Mag. (4) III, 144. Chem. Gaz. 1852, 60. C. C. 1853, 16.
1853	Schwerdtfeger	Color of MnO solutions	N. Jahrb. Pharm. II, 18, 30.
1853	Malaguti	Separation from Ni	A. c. p. (3) XXXVII, 203. J. p. C. LIX, 184.
1853	Schiel	Separation from Ni	Am. J. Sci. [2] XV, 275. Pol. Centr. 1853, 1512. Chem. Gaz. 1853, 413.
1853	Flajolot	Separation from Co and Zn	Ann. d. Mines. (5) III, 641. J. p. C. LXI, 508, 105. A. c. p. (3) XXXIX, 460. C. R. XXXVI, 1090. Chem. Gaz. 1853, 380.
1853	Price	Technical valuation	Chem. Gaz. 1853, 416.
1853	Kerl	Helfeld ore	C. C. 1853, 362. Pol. Centr. 1853, 547.

1853	Rivot and others	Estimation	Pol. Centr. 1853, 821.
1853	Bunsen	Estimation	A. C. P. LXXXVI, 283.
1853	Krieger	Volumetric estimation	A. C. P. LXXXVII, 257. Chem. Gaz. 1853, 450. Am. J. Sci. (2) XVII, 126. J. p. C. LXI, 472.
1853	Wöhler and Merkle	Phosphide	A. C. P. LXXXVI, 371. C. C., 1854, 32. Jahresb. 1854, 358.
1853	Gorgeu	Color of MnO solutions	C. R. XXXVI, 861. Institut. 1853, 162. Am. J. Sci. (2) XVI, 416. J. p. C. LIX, 325. C. C. 1853, 383. J. de Pharm. (3) XXVII, 253. Chem. Gaz. 1853, 248. Jahresb. 1854, 358.
1853	Rammelsberg	Crystallographic	A. c. p. (3) XLII, 70. Pogg. XCI, 340.
1853	Wöhler and Merkle	Permanganic acid	A. C. P. LXXXVI, 373. J. p. C. LX, 184. C. C. 1853, 943. Chem. Gaz. 1854, 89. Jahresb. 1854, 359.
1853	Slater	Action of P on $\text{K}_2\text{Mn}_2\text{O}_8$	Chem. Gaz. 1853, 329. J. p. C. LX, 247.
1853	Burin de Buisson	Color of MnO salts	J. pharm. (3) XXVIII, 345.
1854	Streng	Volumetric estimation	Pogg. Ann. XCII, 57. A. C. P. XCII, 411. Chem. Gaz. 1854, 271. J. c. T. I, 20.
1854	Ed. Davy	Detection	Proc. Roy. Soc. VI, 385. Chem. Gaz. 1854, 117.
1854	Von Hauer	Chloride	Wien. Akad. Ber. XIII, 453. J. p. C. LXIII, 436. Jahresb. 1852, 353.
1854	Zwenger	Potassic manganate	A. C. P. XCI, 46. J. p. C. LXIII, 251. C. C. 1854, 784.
1854	Trommsdorff	Phospho-permanganic acid	Arch. Pharm. (2) LXXX, 262. N. Jahrb. Pharm. III, 219.
1855	Liebig	Protoxide	A. C. P. XCV, 116. Chem. Gaz. 1855, 330. Jahresb. 1855 379.
1855	Mohr	Estimation of MnO_2	Lehrb. d. Titrimethode. 1855, I, 170. Dingl. J. CXXXV, 289. A. C. P. XCHII, 51. J. c. T. I, 19.
1855	Vohl	Double salts	J. p. C. LXV, 178.
1855	Reithner	Color (?)	Vierteljahresschr. Pharm. IV, 377.
1855	Marignac	Crystallographic	Recher. des formes cryst. Genevè. 1855. Ann. d M. (5) IX, 1. C. R. XLII, 288.

1855	Rammelsberg	Crystallographic	Pogg. Ann. XCIV, 507. J. p. C. LXV, 181. C. C. 1855, 344.
1855	Deville	Pure fused metal	A. c. p. (3) XLVI, 182. Dingl. CXL, 428. A. C. P. CII, 326.
1855	Otto	Hydrated three-fourths oxide	A. C. P. XCIII, 372. Chem. Gaz. 1855, 171. J. p. C. LXIV, 512. Jahresb. 1855, 379.
1855	Lotz	Tungstate	J. p. C. LXIII, 214.
1855	Bonnevyn	Occurrence in blood	J. de Pharm. (3) XXVII, 284.
1855	Frosenius	Analytical	Dingl. J. CXXXV, 277. Pol. Centr. 1855, 693 and 745. J. c. T. I, 19.
1855	Balmain	Technical; recovery of MnO ₂	Lond. J. Arts. 1856, 36. Hessisch. Gewerbetl. 1856, 176. Chem. Gaz. 1856, 79. Pat. Specif. Abr. 446. J. c. T. II, 72. Dingl. J. CXXXIX, 238. Technologiste. 1856, Apr. 341. Pol. Centr. 1856, 700. Jahresb. 1856, 792.
1855	Dnnlop	Technical; recovery of MnO ₂	Pat. Specif. Abr. 453 and 471. Chem. Gaz. 1856, 200. Rep. Pat. Inv. 1856, 236. Dingl. CXL, 104. Jahresb. 1856, 792. Pol. Centr. 1856, 832. J. c. T. II, 71.
1855	Playfair	Cyanide	J. p. C. LXIX, 287.
1856	Condy	Patent disinfectant	Pat. Specif. Abr. 496. Hofmann's Rep. Exhib. of 1862.
1856	Gorup-Besanez	Occurrence in "Trapa]natans"	A. C. P. C, 106.
1856	Barrow	Technical recovery	Pat. Specif. Abr. 477.
1856	Cook	Treatment of ores	Pat. Specif. Abr. 505.
1856	Von Hauer	Chloro-bicadmate	Sitzungsb. Akad. Wiss. Wien. XVII, 331. Chem. Gaz. 1856, 6.
1856	Béchamp	Transformation of albumen into Urea by means of K ₂ Mn ₂ O ₈	A. c. p. (3), XLVIII, 348. J. pharm. (3) XXXI, 32. Cimento. IV, 155. A. C. P. C, 247. C. C. 1857, 127. Jahresb. 1856, 696.
1856	Carins	Mn ₂ O ₃ 3SO ₃	A. C. P. XCVIII, 53. J. p. C. LXVIII, 377. C. C. 1856, 465. Arch. ph. nat. XXXII, 235. Chem. Gaz. 1856, 292.
1856	Thénard	Permanganic acid	Jahresb. 1856, 382. C. R. 382. Instit. 1856, 88. Arch. ph. nat. XXXI, 351. Jahresb. 1856, 384.

1856	Thénard	Permanganic acid	J. p. C. LXIX, 58. C. C. 1856, 289.
1856	Gössmann	$K_2Mn_2O_8$ as a decolorizer	A. C. P. XCIX, 373. Pol. Centr. 1856, 1275. J. p. C. LXLX, 469. J. c. T. II, 162. Dingl. J. CXLII, 316. Jahresb. 1856, 496.
1857	Spiller	Recovery of MnO_2	Quart. J. Chem. Soc. IX.
1857	Muspratt		Pat. Specif. Abr. 536. Pol. Centr. 1858, 700.
1857	Gatty	Nitrate	Pat. Specif. Abr. 545.
1857	Richardson	Ores	Pat. Specif. Abr. 554.
1857	Frémy	Metal	C. R. XLIV, 632. Inst. 1857, 102. J. pharm. (3) XXXI, 321. J. p. C. LXXI, 79. A. C. P. CII, 331. C. C. 1857, 463. Jahresb. 1857, 201.
1857	Brunner	Preparation of metal	Dingler J. CXLIV, 44. Chem. Gaz. 1858, 5.
1857	Brunner	Properties of metal	Pogg. CI, 264. Dingl. J. CXLIV, 184. Pol. Centr. 1857, 1325 and 1636. C. C. 1857, 408. J. c. T. III, 35. C. R. XLIV, 630. Chem. Gaz. 1857, 163. Institut. 1857, 101. Am. J. Sci. (2) XXIV, 140. J. p. C. LXXI, 77. A. C. P. CII, 330. Bern. Mitth, 1857, 72. Jahresb. 1857, 201.
1857	Deville	Metal	C. R. XLIV, 673. Chem. Gaz. 1857, 201. J. p. C. LXXI, 289. A. C. P. CII, 332. Jahresb. 1857, 203.
1857	Brunner	Metal containing Si	Bern. Mitth, 1857, 128. Pogg. CIII, 139. Chem. Gaz. 1858, 178. C. C. 1858, 161. Jahresb. 1857, 204.
1857	Von Hauer	Atomic weight	Wien. Acad. Ber. XXV, 124. J. p. C. LXXII, 352. C. C. 1857, 881. Chem. Gaz. 1858, 41.
1857	J. Hoffman	Borate	Am. J. Sci. (2) XXVIII, 437. Mitth. d. Nassauer Gewerbevereins. 1857, XIV. Dingl. J. CXLV, 450. Pol. Centr. 1857, 1514. J. c. T. III, 432.

1857	Reissig	Technical recovery of MnO_2	A. C. P. CIII, 27. Dingl. pol. J. CXLV, 439. Pol. Centr. 1857, 1508. J. p. C. LXXII, 383. C. C. 1857, 833. Jahresb. 1857, 206.
1857	Marignac	Cryst. form of chloride	C. R. XLV, 650. Institut. 1857, 364. Arch. ph. nat. XXXVI, 207. Phil. Mag. (4) XV, 157. Jahresb. 1857, 207.
1857	Böttger	Delicate test for Mn	J. des phys. Ver. zu Frankf. 1856, 27. J. p. C. LXX, 433. Pol. Centr. 1857, 886. N. Repert. Pharm. VI, 247. Pol. Notizbl. 1857, No. IX. C. C. 1857, 635. Jahresb. 1857, 136.
1857	Elliot	Recovery of Mn from Cl residues	Rep. Pat. Inv. 1857. Polyt. Centr. 1857, 1033. Dingl. Pol. J. CXLV, 238. Jahresb. 1857, 623.
1857	Field	Separation from FeO	Pat. Specif. Abr. 503. Chem. Gaz. 1857, 374. Dingl. CXLVI, 315. Jahresb. 1857, 592.
1857	Barreswil	Test for MnO	C. R. LXIV, 677. Institut. 1857, 114. Chem. Gaz. 1857, 291. J. pharm. (3) XXXI, 342. C. C. 1857, 449. J. p. C. LXXI, 317. Jahresb. 1857, 592.
1857	Terrell	Separation from Zn, Co, and Ni	C. R. XLV, 652. Institut. 1857, 366. J. pharm. (3) XXXII, 383. Chem. Gaz. 1857, 452. J. p. C. LXXIII, 481. Jahresb. 1857, 593.
1857	Soncbay and Lenssen	Oxalates	A. C. P. CII, 35; CIII, 308. J. p. C. LXXI, 295. J. p. C. LXXIII, 42. C. C. 1857, 519. Jahresb. 1857, 291.
1857	Croft	Oxalate	Canad. J. II, 30. Chem. Gaz. 1857, 62. J. pr. Chem. LXXIII, 59. C. C. 1857, 233. Jahresb. 1857, 292.
1857	Städeler	Action of $K_2Mn_2O_8$ on albumen	J. p. C. LXXII, 251. C. C. 1858, 90. J. pharm. (3) XXXIII, 156. Chem. Gaz. 1858, 101. Jahresb. 1857, 537.
1858	Henry	Separation from Co and Ni	Phil. Mag. (4), XVI, 197. C. C. 1859, 94.

1858	Henry	Separation from Co and Ni	J. p. C. LXXVI, 252. Jahresb. 1858, 619. Am. J. Sci. 1869 (4) XVI, 197.
1858	Abich	Geological	Petersb. Akad. Bull. XVI, 305.
1858	Schönubein	Acetate of MnO_2	Verh. Naturf. Ges. Basel, 1858. J. p. C. LXXIV, 325. C. C. 1858, 778. Jahresb. 1858, 188. J. p. C. LXXIV, 431.
1858	Von Hauer	Sulphate of Mu and K	Pat. Specif. Abr. 1000.
1858	Haeffely	Technical recovery	Bull. Soc. Ind. Mulh. No. 142, 332.
1858	Kestner	Dunlop's process	Pol. Centr. 1858, 800.
1858	Schabus	Cryst. form of $MnSO_4 + K_2SO_4 + 2H_2O$	Wien. Akad. Ber. XXIX, 441.
1858	H. Rose	Sesquioxide solutions	Pogg. CV, 289. C. C. 1859, 12. J. p. C. LXXVI, 115. Chem. Gaz. 1859, 101. Berl. Acad. Ber. 1858, 519. Jahresb. 1858, 171.
1858	Cloez and Guignet	Action of $K_2Mn_2O_8$ on organic matter	C. R. XLVII, 710. A. C. P. CVIII, 378. Dingl. CL, 419. Jahresb. 1858, 171.
1858	Sonchay and Lenssen	Oxalates	A. C. P. CV, 245. J. p. C. LXXIV, 167. C. C. 1858, 289. Chem. Gaz. 1858, 264. Jahresb. 1858, 244.
1858	Wöhler	Silicide	Nachr. Göttingen, 1858, 50. A. C. P. CVI, 54.
1858	Gorgeu	Oxalate	Chem. Gaz. 1858, 233. C. R. XLVII, 929. Chem. Gaz. 1859, 71. Institut. 1858, 419. Jahresb. 1858, 245.
1858	Hempel	Action of KI on $K_2Mn_2O_8$	A. C. P. CVII, 100.
1858	Tennant	Technical	J. p. C. LXXV, 383. Dingl. CXLVII, 440.
1859	Béchamp	Occurrence in blood	C. R. XLIX, 895.
1859	Schneider	Atomic Weight	Pogg. CVII, 605. C. C. 1859, 768. Phil. Mag. (4) XVIII, 268. Chem. Gaz. 1859, 474. A. C. P. CXIII, 77. Jahresb. 1859, 178.
1859	Beketoff	Experiments with $K_2Mn_2O_8$	Bull. soc. chim. May, 1859, 43. Jahresb. 1859, 179.
1859	Béchamp	Preparation of $K_2Mn_2O_8$	A. c. p. (3) LVII, 293. J. c. T. VI, 258. Jahresb. 1859, 180.
1859	Ordway		Rép. chim. appl. II. 65. Am. J. Sci. (2) XXVII, 16.
1859	Fordos and Gélis	Analysis of sulphur compounds	J. de pharm. (3) XXXVI, 113.

1859	Krieg	Technical	Pol. Centr. 1859, 815.
1859	Phipson	Non]existence of $H_2Mn_2O_8$	C. R. L, 694. Institut. 1860, 124. J. p. C. LXXX, 123. Dingl. J. CLVI, 239. Z. C. P. 1860, 392. C. C. 1860, 460. J. c. T. VI, 258. Rep. chim. pure. II, 161. Jahresb. 1860, 166.
1859	Nolter	Technical	Berg. u. Hüttenm. Ztg. 1859, XVII. Dingl. J. CLII, 136. Chem. Gaz. 1859, 288. C. C. 1859, 414. Pol. Centr. 1859, 1079. J. c. T. V, 65.
1859	Béchamp	Action of $K_2Mn_2O_8$ on albumen	A. c. p. (3), LVII, 291. Jahresb. 1859, 181.
1859	Lenssen	Action of As_2O_3 on $K_2Mn_2O_8$	J. p. C. LXXVIII, 197.
1859	Luboldt	Decomposition of $K_2Mn_2O_8$	J. p. C. LXXVII, 315. Jahresb. 1859, 181.
1859	Böttger	Action of $Ca Cl_2O_2$ on $MnCl_2$	Jahresb. phy. Verein Frankfurt, 1858, 47. J. p. C. LXXVI, 235. Dingl. CLI, 428. N. Jahrb. Pharm. XI, 265. Vierteljahrschr. Pharm. VIII, 450. Jahresb. 1859, 202, note.
1859	Heintz	Ethyl succinate	Pogg. CVIII, 94.
1859	Von Kobell	Estimation	J. p. C. LXXXVI, 415.
1859	Dumas	Atomic Weight	A. c. p. (3) LV, 129. A. C. P. CXIII, 25.
1859	Matthiesson	Organic compounds	Chem. Gaz. 1859, 78. J. p. C. LXXVII, 227.
1860	Rose	Estimation	Pogg. CX, 120. Z. C. P. 1860, 557. C. C. 1860, 583. Rep. chim. pure II, 391. Jahresb. 1860, 644.
1860	Lenssen	Volumetric estima- tion of protoxide	J. p. C. CLXXX, 408. C. C. 1861, 78. Jahresb. 1860, 655.
1860	Struve	Pyrophosphate	J. p. C. LXXXIX, 346.
1860	Wöhler and Michel	Alloy of Mn and Al	A. C. P. CXV, 102.
1860	Rose	Separation from Co and Ni	Pogg. CX, 411. Z. C. P. 1860, 625. Rep. chim. pure III, 91. Jahresb. 1860, 656.
1860	Dellfs	Separation from FeO	Z. C. P. 1860, 81. Pol. Notizbl. 1860, 109. J. c. T. VI, 259.
1860	Reinige	$K_2Mn_2O_8$	Jahresb. 1860, 166. Archiv. Pharm. (2) CI, 145

1860	Debray	HNO ₃ in ores of Mn	C. R. L, 868. J. p. C. LXXXVI, 412. C. C. Pol. Centr. 1860, 1340. Pol. Centr. 1861, 1386.
1860	Machuca	Analysis of K ₂ Mn ₂ O ₈	C. R. LI, 140 and 214. Rep. chim. pure. II, 316. Z. C. P. 1860, 656. J. p. C. LXXXI, 40. C. C. 1860, 864. Dingl. J. CLVII, 239. J. c. T. VI, 259. Jahresb. 1860, 167.
1860	Aschoff	K ₂ Mn ₂ O ₈	Berl. Acad. Ber. 1860, 474. J. p. c. LXXXI, 29. Arch. pharm. (2) CIV, 141. Pogg. CXI, 217.
1860	Gorgen	Double salt of manganese and permanganate	C. R. L, 610. A. c. p. (3), LXI, 355. J. p. C. LXXX, 123. Chem. News. IV, 103. C. C. 1860, 838 and 460. Rep. chim. pure. 178. Inst. 1860, 140. Rep. chem. pure. II, 161. J. c. T. VI, 259. Jahresb. 1860, 169.
1860	Von Hauer	Sulphate	Wien. Acad. Ber. XXXIX, 447. J. p. C. LXXX, 230. C. C. 1860, 423. Jahresb. 1860, 170. Pogg. CX, 122 and 301.
1860	Rose	Estimation as sulphide	
1861	Lange	Acetate Mn and Ce	J. p. C. LXXXII, 138.
1861	Kraut	Hyposulphate	J. p. C. LXXXIV, 125.
1861	Böttger	Spectrum of chloride	J. p. C. LXXXV, 393.
1861	Rose	Analytical	Am. J. Sci. (2) XXXI, 113.
1861	Ordway		Am. J. Sci. (2), XXXII, 338.
1861	Schiff	Solubility of Mn SO ₄ in alcohol	A. C. P. CXVIII, 370.
1861	Mohr	Estimation	A. C. P. CXVII, 382. Rep. chim. appl. III, 254. Jahresb. 1861, 850.
1861	Quadrat	Estimation	Schweitzer. pol. Zeitschr. VI, 103. Pol. Centr. 1861, 683. Z. C. P. 1861, 605.
1861	Schönbein	Manganese Amalgam	Pogg. CXII, 445. Jahresb. 1861, 95.
1861	Nordenskiöld	Artificial minerals	Pogg. Ann. CXIV, 619. J. p. C. LXXXV, 431. Jahresb. 1861, 260.
1861	Elliot and Storer	MnO ₂	Proc. Am. Acad. Sci. V, 192. Chem. News. VI, 121. J. p. C. XC, 288. Jahresb. 1861, 261.

1861	Gentele	Crystallized Na_2MnO_4	J. p. C. LXXXII, 58. Rep. Chim. pure. III, 370. J. pharm. (3) XXXIX, 473. Jahresb. 1861, 261.
1861	Lea	Ammonio-picrate	Am. J. Sci. (2) XXXI, 85.
1861	Morin	Pigments	Pat. Specif. Abr. 749.
1861	Möller	Separation from FeO	A. C. P. CXX, 243. Z. anal. Chem. I, 217.
1861	Weltzien	Action of $\text{K}_2\text{Mn}_2\text{O}_8$ on iodine	A. C. P. CXX, 349. Jahresb. 1861, 262.
1861	Deville	Action of HCl on oxides at high tem- peratures	C. R. LII, 1264, LIII, 199. Institut. 1861, 206 and 257. Rep. chim. pure. II, 324 and 373. Jahrb. Min. 1861, 763; 1862, 80. A. C. P. CXX, 180. Jahresb. 1861, 7.
1861	Wöhler	Action of NaNO_3 on MnO_2	A. C. P. CXIX, 375.
1862	Giles	Preparation of metal from its amalgam	J. p. C. LXXXV, 311. Phil. Mag. (4), XXIV, 328. Pogg. CXVII, 528. Jahresb. 1862, 154.
1862	Pean de St. Gilles	Oxychloride	C. R. LV, 329. Institut. 1862, 288. Z. C. P. 1862, 569. C. C. 1863, 208. J. p. C. LXXXVIII, 123. J. c. T. IX, 360. Rep. chim. pure. IV, 379. Pol. Centr. 1863, 622. Jahresb. 1862, 155.
1862	Brodie	Catalytic phenomena	Proc. Roy. Soc. XII, 209.
1862	Gorgen	Manganous acid	J. p. C. LXXXVIII, 342. A. c. p. (3), LXVI, 153. Rep. chim. pure. IV, 415. C. C. 1863, 145. Jahresb. 1862, 155.
1862	Terrell	Hyper-manganic acid	Bull. soc. chim. 1862, 40. Z. C. P. 1862, 437. J. c. T. VIII, 322. C. C. 1863, 78. Chem. News. VI, 57. Jahresb. 1862, 156.
1862	Binks and Macqueen	Recovery of MnO_2 from chlorine resi- dues	Technologiste. 1862, 627. Polyt. Centr. 1862, 1650. Pat. Specif. Abr. 672. C. C. 1863, 254. Jahresb. 1862, 659.
1862	Simmler	Spectrum	Pogg. CXV, 242 and 425. Z. anal. Ch. 1, 356.
1863	Wiederhold	Technical	Dingl. J. CLXIX, 316. Pol. Centr. 1863, 1310. J. c. T. IX, 361. Deutsche Gewerbe Ztg. 1863, 196.
1863	Caron	Fluxes	C. R. LVII, 786.
1868	Fresenius	Analytical	Z. anal. Ch. II, 346. Pol. Centr. 1864, 826.

1863	Oudemans	Laurate	J. p. C. LXXXIX, 213. C. C. 1863, 737. Bull. soc. chim. V, 566. Jahresb. 1863, 333.
1863	Guyard	Volumetric estimation	Bull. soc. chim. VI, 89. Chem. News. VIII, 292, IX, 13. J. pharm. (3) XLV, 409. C. C. 1864, 339. Jahresb. 1863, 679.
1863	Hoppe-Seyler	Optical properties of solutions of higher oxides	J. p. C. XC, 303. Z. C. P. 1864, 91. C. C. 1864, 479. J. pharm. (3) XLV, 355. Bull. soc. chim. VI, 269. Am. J. Sci. (2) XXXVII, 408. Jahresb. 1863, 228.
1863	Böttger	Preparation of $K_2Mn_2O_8$	Beglickw. J. Frankf. V, 1863, 6. J. p. C. XC. 156. Pol. Centr. 1864, 53. Dingl. J. CLXX, 286. Pol. Notizbl. 1863, 321. Vierteljahreschrift Pharm. XIII, 221. J. c. T. IX, 356. C. C. 1864, 430. J. pharm. (3) XLV, 356. Jahresb. 1863, 228.
1863	Demarqual	Disinfectant	Polyt. Centr. 1863, 1311.
1863	Richter	Amount Mn in iron	B. u. H. Jahrbuch. XI, 295. Am. J. Sci. (2) XXXV, 120.
1863	Kessler	Action of $K_2Mn_2O_8$ on protosalts	Pogg. CXVIII, 17. Z. anal. Chem. II, 383.
1863	Lang	Non-existence of nitrite	Pogg. CXVIII, 280. J. p. C. LXXXVI.
1863	Pope	Specific heat of sulphate	Pogg. CXX, 368.
1864	Mittenzwey	Volumetric estimation	J. p. C. XCI, 81. Dingl. CLXXXIII, 294. C. C. 1864, 550. Z. anal. Ch. III, 371. Chem. News. IX, 253. Bull. soc. chim. (2) III, 131. Jahresb. 1864, 680.
1864	Fresenius	Volumetric estimation	Z. anal. Chem. III, 209.
1864	Rosenstiehl	Barium manganate	Rapport sur le concours pour le prix Bonfils par J. Nickles 1865, 6 and 18. J. pharm. (3) XLVI, 344. Dingl. J. CLXXVI, 409. J. p. C. XLV, 233; XLVI, 344. Arch. Pharm. CXXIII, 146. Pol. Notizbl. 1865, 264. Deutsche Ind. Ztg. 1865, 368. Kurhess. Gewerbebl. 1865, 769. J. c. T. XI, 365. Jahresb. 1864, 822. Pol. Centr. 1865, 1374.

1864	Rosenstiehl Gerland	Barium manganate Co and Ni in Pyro- lusite	Deutsche Gewerbe Ztg. 1865, 372. Berg. u. Hüttenm. Ztg. 1864, 176. Pol. Centr. 1864, 1387. J. c. T. X, 124.
1865	Dittmar	Calcination of oxides in oxygen gas	Chem. Soc. J. (2) II, 294. Z. C. P. 1864, 449. J. p. C. XCIV, 345. C. C. 1865, 364. Jahresb. 1864, 234.
1865	Lnckow	Estimation by elec- trolyt. precipitation as MnO ₂	Dingl. CLXXVII, 231 and 296. Dingl. CLXXVIII, 42. Jahresb. 1845, 686.
1865	Rube	Separation	J. p. C. XCIV, 246. Z. C. 1865, 347. Z. anal. Ch. IV, 421. C. C. 1865, 830. Bull. soc. chim. (2) IV, 119. Jahresb. 1865, 711.
1865	Habich	Volumetric estima- tion	Z. anal. Ch. III, 474. Z. Chem. 1865, 473. Jahresb. 1865, 713.
1865	Schwartz		Bresl. Gewerbebl. 1865, No. 27. Pol. Centr. 1865, 1023. J. c. T. XI, 364.
1865	Gibba	Separation from Co, Ni and Zn.	Am. J. Sci. (2) XXXIX, 58. Z. anal. Ch. III, 331. J. p. C. XCV, 356. Z. C. 1865, 307. C. C. 1865, 405. Dingl. CLXXVIII, 133. Chem. News. XI, 101 and 174. Jahresb. 1865, 712.
1865	Nicklea	Superchloride and iodides	A. c. p. (4) V, 161. C. R. LX, 479. Institut. 1865, 73. Bull. soc. chim. (2) IV, 108. J. pharm. (4) I, 328. Z. C. 1865, 425. C. C. 1865, 316. Chem. News. XI, 129, 254. Jahresb. 1865, 224.
1865	Geuther	Protoxide	Jena. Zeit. Med. u. Nat. II, 127. Z. C. 1865, 347.
1865	Graeger	Preparation of K ₂ Mn ₂ O ₈	J. p. C. XCVI, 169. Z. C. 1866, 60. C. C. 1866, 47. Z. anal. Ch. IV, 410. Jahresb. 1865, 226. Pol. Centr. 1866, 137. J. c. T. XI, 363.
1865	How	Technical	Transactions N. S. Inst. Nat. Sci. Chem. News. XII, 232.
1866	Roussin	Action of sodium amalgam on solu- tions	J. pharm. (4) III, 413. Bull. soc. chim. (2) VI, 93. Z. C. 1866, 576. Z. anal. Ch. VI, 100.

1866	Roussin	Action of sodium amalgam on solutions	Chem. News. XIV, 27 and 42. Jahresb. 1866, 170.
1866	?		Dingl. CLXVI, 197.
1866	Wagner	Disinfecting solutions	J. c. T. XII, 263.
1866	Clark	Techn. recovery	Pat. Specif. Abr. 1000.
1866	Reichardt	Separation from earths	Z. anal. Ch. V, 60. Arch. Pharm. (2) CXXIX, 234. Z. C. 1866, 592. Vierteljahrs. Pharm. XVI, 394. Bull. soc. chim. (2) VII, 495. Jahresb. 1866, 800. C. R. LXII, 829. Institut. 1866, 134. J. pharm. (4) III, 347. Chem. News. XIII, 193. J. p. C. XCVIII, 283. Z. C. 1866, 247. C. C. 1866, 848. Jahresb. 1866, 160.
1866	Bandrimont		Bull. soc. chim. (2) V, 477. Pat. Specif. Abr. 873. J. c. T. XI, 365.
1866	Schad	"Casseler green"	Dingl. CLXXXI, 364. Z. C. 1866, 608. Chem. News. XVI, 163. Jahresb. 1866, 857.
1866	P. W. Hofmann	Technical recovery of MnO_2	Pogg. CXXVII, 404. C. C. 1866, 561. Z. C. 1866, 267. Bull. soc. chim. (2) VI, 447.
1866	Müller	Action of CS_2 on K_2MnO_4	Pogg. CXXVIII, 335. Z. C. 1866, 573.
1866	Müller	Optical properties of $K_2Mn_2O_8$	Am. J. Sci. (2) XLIV, 216. Chem. News. XVII, 195. Z. C. 1867, 721. J. p. C. CIII, 395. Jahresb. 1867, 845. Z. anal. Ch. VII, 101.
1867	Gibbs	Estimation as pyrophosphate	Bull. soc. chim. (2) IX, 201. Vierteljahrs. Pharm. XV, 259. Pol. Centr. 1867, 614. Deutsch. Indust. Zft. 1867, 198. J. c. T. XIII, 275.
1867	Sticht	$K_2Mn_2O_8$	Les Mondes. XIV, 95. Chem. News. No. 38, 222. Schweitz. pol. Ztschft. 1867, 98. Muster Ztg. 1867, XVI, 146. Buchner's Repert. XVI, 583. Dingler. J. CLXXXIV, 524. Pol. Centr. 1867, 540 and 1130. Deutsche. Ind. Ztg. 1867, 158 and 317. Kurbess. Gewerbebl. 1866, 962. Hannover Mittheil. 1866, 100. J. c. T. XIII, 652.
1867	Tessié du Motay	$H_2Mn_2O_8$ for bleaching	

1867	Weldon	Technical recovery of MnO_2	Laboratory. I, 445. Chem. News. XVI, 125. Dingl. CLXXXVI, 129. J. p. C. CII, 478. Bull. soc. chim. (2) VIII, 449. Bull. soc. chim. (2) IX, 166.
1867	Tessié du Motay	Technical preparation of $K_2Mn_2O_8$	Bull. Soc. d'Encourage. 1867, 472. Bull. soc. chim. (2) VIII, 455. Dingl. CLXXXVI, 231. Jahresb. 1867, 911.
1867	Esquiron et Gouin	Recovery of MnO_2	Ann. Génie Civil. 1857, 270. Bull. soc. chim. (2) VIII, 137.
1867	Swiontowski	Action of $K_2Mn_2O_8$ on H_2O_2	A. C. P. CXXI, 205. Bull. soc. chim. (2) VIII, 404.
1867	Skey	Separation	Chem. News. 201. Z. C. (2) IV, 123.
1867	Nickles	Fluorides	C. R. LXV, 107. Chem. News. XVII, 10.
1867	Landauer	Blowpipe test	Chem. News. XVI, 105.
1867	Letheby	$K_2Mn_2O_8$ as disinfectant	Dingl. CLXXXIII, 227.
1867	Braun	Delicate reactions	Z. anal. Ch. VI, 73. Z. C. 1867, 541. C. C. 1867, 396. Jahresb. 1867, 845.
1867	Eaton and Fittig	Cyanides	A. C. P. CXLV, 157. Z. C. 1867, 107. N. arch. ph. nat. XXVIII, 361. Inst. 1868, 224. Jahresb. 1867, 373.
1867	Wheeler	Action on uric acid	Am. J. Sci. (2) XLIV, 110 and 218.
1867	Eggertz	Estimation in iron ores	Berg. Huttenm. Ztg. Schweitz. pol. Zts. 1867, 154. Z. C. (2) IV, 507. Z. anal. Ch. VII, 495. Jahresb. 1868, 872.
1868	Descamps	Cyanides	C. R. LXVI, 628. Bull. soc. chim. (2) IX, 443. Z. C. (2) IV, 415 and 592. Jahresb. 1868, 306.
1868	Sidot	Crystallized sulphide	C. R. LXVI, 1257. Z. C. (2) IV, 544. Jahresb. 1868, 229.
1868	Nickles	Fluorides	C. R. LXVII, 448. Z. C. (2) IV, 701. Instit. 1868, 265. Bull. soc. chim. (2) XI, 411. J. p. C. CVI. Jahresb. 1868, 229.
1868	Tuchschmidt	Ba in Pyrolusite	J. p. C. CIII, 478. J. c. T. XIV, 328.
1868	Terrell	Separation	C. R. LXVI, 668. Z. C. (2) IV, 337.
1868	Groth	Permanganates	Pogg. CXXXIII, 203.
1868	Braun	Detection	Z. anal. C. VII, 340. Z. C. 1869, 306.

1868	Braun	Detection	Jahresb. 1868, 227.
1868	Leykauf	"Nürberger Violet"	Dentsch. Indust. 1868, 376 and 428. Pol. Notizbl. 1868, 272 and 335. Dingl. J. CXC, 70. Hessische Gewerbebl. 1868, 304. Pol. Centr. 1868, 1339. Monit. scientif. 1868, 713. Bull. soc. chim. (2), X, 76. J. c. T. XIV, 326.
1868	Städeler	$K_2Mn_2O_8$	J. p. C. CIII, 107. N. R. Pharm. XVIII, 178. Z. anal. Ch. VII, 467. Dingl. J. CLXXXIX, 84. J. c. T. XIV, 327. Pol. Centr. 1869, 696. Pol. Notizbl. 1868, 179. Jahresb. 1868, 228. Z. anal. Ch. VIII, 428. Z. C. 1870, 274. Jahresb. 1869, 886. Bull. soc. chim. (2) XIV, 194.
1869	Prior	Estimation	C. R. LXIX, 168. Istitut. 1869, 243. Jahresb. 1869, 891.
1869	Damour	Separation from magnesia	Bull. soc. chim. (2) XI, 473. Z. anal. Ch. VIII, 460. Chem. News. XX, 35. Z. C. 1869, 662. C. C. 1870, 224. Jahresb. 1869, 896. C. R. LXIX, 201. Z. C. 1869, 606. Jahresb. 1869, 251.
1869	Renard	Removal from zinc solution	Z. C. 1869, 442. Jahresb. 1869, 217.
1869	Sidot	Crystallographic	Jahresb. 1869, 887. Bull. soc. chim. (2) XIII, 48. Z. C. 1869, 414. Z. anal. Ch. IX, 382. Chem. News. XIX, 137.
1869	Lindner	Manganate of baryta	Chem. News. XIX, 41. Z. C. 1869, 246. Jahresb. 1869, 537.
1869	How	Estimation	Chem. News. XX, 240. Les Mondes, 4. November, 1869. Jahresb. 1869, 1052.
1869	How	Oxalate	Z. anal. C. VIII, 405. Bull. soc. chim. (2) XIII, 409. Z. C. 1870, 288. Jahresb. 1869, 184.
1869	Delaurier	$K_2Mn_2O_8$	Bull. soc. chim. (2), XII, 335. Dingl. J. CXCII, 60, 133 and 234. Pol. Centr. 1869, 670 and 1230. J. c. T. XV, 209.
1869	Luck	Spectroscopic; super- chloride	Bull. soc. chim. (2), XII, 497.
1869	Richters.	Regeneration of peroxide	
1869	Weldon	Regeneration of peroxide	

1869	Weldon	Regeneration of peroxide	Chem. News. 1869, XX, 109. Jahresb. 1869, 1031. Rep. Br. Assoc. 1869, trans. 79. Pol. Centr. 1869, 1325. Dingl. J. CXCIV, 51. C. C. 1870, 76. Monit. scientif. XII, 113. J. pharm. (4) XII, 45. J. c. T. XV, 196.
1869	Classen	Estimation	Z. anal. Ch. VIII, 370. Z. C. 1870, 285. C. C. 1870, 350. Bull. soc. chim. 1870, (2) XIV, 44. Jahresb. 1869, 887.
1869	Muck	Formation of green sulphide	Z. C. 1869, 580 and 840. Chem. News. XX, 226. Jahresb. 1859, 261.
1869	Flagey	MnO for coloring glass	Annal. du Génie civil. 1869, Oct., 732. Pol. Centr. 1870, 608. J. c. T. XVI, 273.
1869	Muck	Sep. of Co. from Mn.	Z. C. V, 626. Bull. soc. chim. XIII, 334.
1870	Vogel	In ash of plants	N. R. Pharm. XIX, 423. Jahresb. 1870, 994.
1870	Gruner	Effect of iron and steel	Dingl. J. CXCIV, 336. Pol. Centr. 1870, 556. Berg- u. hüttenm. Z. 1870, 46. Jahresb. 1870, 1091.
1870	F. F. Allen	Alloys	Chem. News. XXII, 194. C. C. 1870, 772. Jahresb. 1870, 1103 and 351. Dingl. J. CXCVIII, 517.
1870	Kohn	Alloys with iron	Engineering. Sept., 1870. Dingl. J. CXCVIII, 205. Berg. u. hüttenm. Ztg. 1870, 419. Pol. Centr. 1871, 110 and 1080. J. c. T. XVII, 27. Jahresb. 1870, 1103.
1870	Ladenburg	Aceto-formiate	Jahresb. 1870, 334.
1870	Valenciennes	Alloy with Cu and Co	C. R. LXX, 607. Pol. Centr. 1870, 938. Bull. soc. chim. (2) XIV, 193. D. C. Ges. III, 326. Institut. 1870, 90. Berg. u. hüttenm. Ztg. 1870, 304. Dingl. J. CXCVI, 516. Deutsche Indust. Ztg. 1870, 155. Z. C. 1870, 318. C. C. 1870, 243. Jahresb. 1870, 350.
1870	Schwarz	"Manganlister"	Dingl. J. CXCVII, 251. Turrschmiedt's Notizbl. 1870, 220. Deutsche. Ind. Ztg. 1870, 358. Pol. Notizbl. 1870, 290. C. C. 1870, 557. J. c. T. XVI, 307.

1870	Tissandier	Analysis pyrolusite	Monit. Scient. 1870, 279. J. c. T. XVI, 183.
1870	Reimann	"Mangan braun"	Dingl. J. CXCV, 283. Jahresb. 1870, 1264.
1870	Muck	Sulphide	Z. C. 1870, 6. C. C. 1870, 22. Bull. soc. chim. (2) XIII, 423. Jahresb. 1870, 331.
1870	Wagner	Analytical	Dingl. J. CXCV, 532. C. C. 1870, 229. Bull. soc. chim. (2) XIV, 96. J. c. T. XVI, 745. Pol. Centr. 1870, 829. Chem. News. 1870, No. 543, 192. Jahresb. 1870, 331.
1870	Rowan	Estimation in Spiegeleisen	Engineering. June, 1870, 455. Dingl. J. CXCVII, 328. C. C. 1870, 592. J. c. T. XVI, 13. Jahresb. 1870, 993.
1870	Schulz-Sellack	Nitrate	Z. C. 1870, 646. Jahresb. 1870, 334.
1870	Mohr	Permanganate potash	Z. anal. Ch. IX, 43. Z. C. 1870, 446. Jahresb. 1870, 333.
1870	Kolbe	Perman. potash	J. p. C. (2) I, 423. Jahresb. 1870, 333.
1870	Spieß	Perman. potash	J. p. C. (2) I, 421. C. C. 1870, 391. Bull. soc. chim. (2) XIV, 194. Jahresb. 1870, 332.
1870	Wernicke	Refraction of hydrated peroxide	Pogg. Ann. CXXXIX, 132. Phil. Mag. (4) XL, 105. Jahresb. 1870, 164.
1870	Wernicke	Hydr. peroxide formation and Sp. Gr.	Pogg. Ann. CXLI, 109. J. p. C. (2) II, 419. C. C. 1870, 689. Jahresb. 1870, 299.
1870	Pattinson	Estimation of peroxide in ores	Chem. News. XXI, 267 (1870). Bull. soc. chim. (2) XIV, 347. Pol. Centr. 1871, I, 117 and 1568. Am. Chem. 1870, 141. C. C. 1870, 636. Dingl. J. CXCVII, 422. Berg. u. hüttenm. Ztg. 1870, 347. Z. C. 1870, 442. Z. anal. Ch. IX, 509. J. c. T. XVI, 183. Jahresb. 1870, 991.
1870	Sherer	Estimation of peroxide in ores	Chem. News. XXI, 284. Z. anal. Ch. IX, 513. Jahresb. 1870, 992.
1870	Paul	Estimation of peroxide in ores	Chem. News. XXI, 16. Z. anal. Ch. IX, 410. Jahresb. 1870, 993.

1870	Deschamps	Tartrate of potassium and manganese	C. R. LXX, 813. Bull. soc. chim. (2) XIV, 250. Z. C. 1870, 317. C. C. 1870, 292. Jahresh. 1870, 662. D. C. Ges. III, 428.
1870	Parker	Estimation of Mn in spiegeleisen	Chem. News. 1870, No. 568, 186. Dingl. J. CXCI, 48. Berg. u. hüttenm. Ztg. 1871, 55. C. C. 1870, 725. J. c. T. XVII, 13.
1870	Weldon	Oxidation of MnCl ₂	Brit. Assoc. Rep. Liverpool meeting. D. C. Ges. III, 873. Chem. News. 1870, No. 570, 145. Chem. News. 1871, No. 606, 12. Pol. Centr. 1871, 50, 576, 965. Dingl. J. CCI, 354. C. C. 1871, 550. J. c. T. XVII, 250.
1870	Desclabissac	Directions for manufacturing manganese and permanganates	Verh. d. Vereins z. beförd. des Gerverbefl. in Preussen. 1870, 142. Pol. Centr. 1871, 639. Dingl. J. CCI, 58. J. c. T. XVII, 353. Jahresb. 1871, 1023. Am. Chem. 1871, 233. C. C. 1871, 508.
1870	Pollaci	Presence in milk and blood	J. p. C. May, 1870. Am. Chem. I, 69 and 121.
1870	Bohling	Permanganate	Z. anal. C. IX, 277. Jahresh. 1870, 333.
1870	Böttger	Permanganate	J. p. C. (2) II, 135. C. C. 1870, 164. Jahresb. 1870, 333.
1870	Krebs	Action of Mn ₂ O ₃ on KClO ₃	Z. C. 1870, 243. Dingl. J. CXCVII, 293. C. C. 1870, 305. Jahresb. 1870, 208. Bull. soc. chim. (2) XIV, 190. Am. Chem. 1870, 76.
1870	Thomson	Treatment of ores	D. C. Ges. IV, 134.
1870	Mason and Parkes	Preparation	D. C. Ges. IV, 534.
1871	Kämmerer	Precipitation by bromine	D. C. Ges. IV, 218. Z. C. 1871, 444. Z. anal. C. 1871, 444. Jahresb. 1871, 866.
1871	Talbut	Estimation	D. C. Ges. IV, 279. Jahresb. 1871, 928.
1871	Luck	Estimation of peroxide	Z. anal. C. 1871, 310 to 322. Jahresb. 1871, 929.
1871	Chatard	Estimation	Chem. News. XXIV, 196. Jahresb. 1871, 928.
1871	A. H. Allen	Detection by ferrocyanide of potash	Chem. News. XXIII, 290. Z. C. 1871, 413. Bull. soc. chim. (2) XVI, 93.

1871	A. H. Allen	Detection by ferro-cyanide of potash	Jahresb. 1871, 930.
1871	Hugo Tamm	Estimation as $MnNH_4PO_4 + H_2O$	Chem. News. XXIV, 148. Z. C. 1871, 467. Bull. soc. chim. (2) XVI, 261. Jahresb. 1871, 932.
1871	Thomson	Alloys with iron	Mechanic's Magazine. Feb. 1871, 78. Dingl. J. CXCLX, 394. J. c. T. XVII, 32. Berg. u. hüttenm. Ztg. 1871, 232. Pol. Centr. 1871, 531. C. C. 1871, 345. Jahresb. 1871, 906.
1871	Skey	Position of MnS in the series of electrical tension	Chem. News. XXIII, 255. Jahresb. 1871, 122.
1871	Bell	Effect of oxide of carbon upon oxides	Chem. News. XXIII, 258 & 267. Jahresb. 1871, 265.
1871	Thomsen	Thermo-chemical examinations	Pogg. Ann. CXLIII, 354 to 396; 497 to 534. D. C. Ges. IV, 586 to 590, 308 to 314. Bull. soc. chim. (2) XVI, 63. Jahresb. 1871, 101, 104.
1871	Schrötter	Alloys	Wien Acad. Ber. (2 Abth.) LXIII, 453. Jahresb. 1871, 1004.
1871	Koosen	Use of $K_2Mn_2O_8$ in battery	Pogg. CXLIV, 627.
1871	Michaelis	Rejoinder	Jenaische Zeitschr. f. med. u. Naturw. VII, 110. J. p. C. (2) IV, 449. Jahresb. 1871, 250.
1871	Swan	Employment of $K_2Mn_2O_8$ in photography	Photographic News. Dingl. J. CCII, 388. Bull. soc. chim. (2) XVI, 360.
1871	Bandrimont	Generation of oxygen	C. R. LXXIII, 254. Z. C. 1871, 415. Monit. Scientif. (3) I, 783. Bull. soc. chim. XVI, 238. Jahresb. 1871, 206.
1871	Loughlin	Preparation of metal	Am. Chem. 1871, 454. Chem. News. XXV, 139. Bull. soc. chim. XVII, 556.
1871	Rowan	Technical	D. C. Ges. IV, 856. Pol. Centr. 1871, 1569. J. c. T. XVIII, 350.
1871	Valentine	Regeneration	D. C. Ges. V, 228. Bull. soc. chim. XVII, 192. J. c. T. XVIII, 270.
1872	Krecke	Color of chloride	D. C. Ges. V, 582. J. c. T. XVIII, 348. J. p. C. (2) V, 105. Pol. Centr. 1872, 1159. Dingl. J. CCIV, 337. C. C. 1872, 289.
1872	Leclerc	Estimation in soil and plants	C. R. LXXV, 1209. D. C. Ges. V, 933. Bull. soc. chim. XIX, 177.

1872	Leclero	Estimation in soil and plants	Dingl. J. CCVI, 366.
1872	Kessler	Estimation in steel and iron	D. C. Ges. V, 605. Bull. soc. chim. XVIII, 224. Chem. News. XXVII, 14. Dingl. J. CCV, 439 and 332. Le Technologiste. Dec., 1872. Am. Chem. 1873, 76. Pol. Centr. 1872, 1608. Dingl. J. CCV, 422. Pol. Centr. 1872, 1624.
1872	Schwartz	Manufacture of glass	Dingl. J. CCV, 422.
1872	Bayer	Preparation	Pol. Centr. 1872, 1624. J. p. C. 1872, V, 443. C. C. 1872, 499. J. c. T. XVIII, 347. Chem. News. XXV, 139.
1872	Horner	Spectra in blowpipe heads	Chem. News. XXV, 139.
1872	Thomsen	Formation of oxide	D. C. Ges. V, 175.
1872	Tamm	Improvements in estimation	Chem. News. XVI, 37. Bull. soc. chim. XIX, 121.
1872	Pahl	Pyrophosphate	D. C. Ges. VI, 1465.
1872	Kessler	Quantity in steel	Dingl. J. Sept., 1872. Chem. News. XXVI, 194.
1872	Tamm	Metallurgical	Chem. News. XXVI, 111. Bull. soc. chim. XVIII, 552. Pol. Centr. 1872, 1348. Dingl. J. CCVI, 136.
1873	Pichard	Estimation by colorimetric process	C. R. LXXXV, 1821. Chem. News. XXVII, 85. Bull. soc. chim. XIX, 253.
1873	Fresenius	Estimation	Z. anal. C. XII, 308. Diogl. J. CCVII, 136. Z. anal. C. 1872, No. 3.
1873	v. Gerichten	Selenosulphates	Am. Chem. III, 472. A. C. P. CLXVIII, 214. D. C. Ges. VI, 162.
1873	Hergh	Diconate	Jahresb. reinen Chemie. I, 20. Jenaische Ztschrift. VII, 493.
1873	Joulin	Exchange of $MnOSO_3$ with $NaOCO_2$	J. p. C. VIII, 372. D. C. Ges. VI, 266.
1873	Kuhlman	Recovery	Jahres. reinen Chemie. I, 67.
1873	Joulin	Dissociation of $MnOCO_2$	Pol. Centr. 1873, 1369. D. C. Ges. VI, 900.
1873	Brünner	Volumetric estimation	Oesterr. Z. Berg. u. Hütten. 1873, No. 43.
1873	Brünner.	Utilization of Mn residues in glass mft.	Pol. Centr. 1873, 1367. Dingl. J. CCVIII, 396. Bull. soc. chim. XX, 424.
1873	Fleischer	Barium mangauate	Arch Pharm. III, 300.
1873	Percy	Mn as a substitute for Ni in German silver	Jahres. reinen Chemie. I, 68. Chem. News. XXVII, 249. Am. Chem. IV, III.
1873	Parry	Estimation in Spiegeleisen	Pol. Centr. 1873, 786. Chem. News. No. 743.
1873	Kuhlman	Use of residues	Am. Chem. IV, 434. Bay. Ind. Gewerbel. May, 837. Pol. Centr. 1873, 986.

Minerals. 1596-1873.*

ABBREVIATIONS.

H = Hausmannite.	Ps = Psilomelane.
Bn = Braunstein.	W = Wad
Br = Braunitz.	A = Alabandite.
Py = Pyrolusite.	R = Rhodonite.
M = Manganite.	T = Tephroite.
Rh = Rhodochrosite.	Tr = Triplite.

1596	Cæsalpin	"Lapis manganensis"	Cæsalp. de metallicis. 1596.
1730	Bromell		Brom. Mineralogia.
1744	Cramer		Cram. Docimasie. 239.
1747	Wallerius	"Brunsten"	Wall. Min. 268 and 345.
1758	Gellert		Elements de chym. metallurgique.
1758	Cronstedt	"Magnesia indurata"	Cronst. Min. 106.
1767	Westfield		Mineralog. Abhandlungen.
1771	Cartheuser	"Magnesia fibris"	Mineralog. Abhandl.
1772	de Lisle	Mn cryst	de Lisle Crist.
1774	Crell	"Brunsten"	Crell's N. Entd. I, 156.
1774	Hjelm	"Brunsten"	Tilläggnin om Brunsten.
			Vet. Acad. Handl. XXXV, 194.
1774	Rinmenn	"Braunstein"	Vet. Acad. Handl. 1774, 201.
			Schw. Akad. Abb. 1774, 206.
1780	de la Peyrouse	Ores	J. de Phys. XV, 87, XVI, 156.
			Mém de Toulouse. I, 256.
1782	Bergmann	"Mn acido aëreo mineralisatum" (Rh)	Sciagr Berg. 1782.
1782	Rupricht	"Rother braunstein" (R)	Phys. Arb. Wein. I, 55.
1783	Wedgewood	"black wadd"	Crell's Ann. 1790, I, 297.
1784	Müller von Reichenstein	"Schwer blende"	Phil. Trans. 1783, 284.
			Phys. Arb. Fr. Wein. II, 86.
1784	Kirwan		Kirw. Mineralogy. 390.
1784	Bindheim		Schrift Ges Nat. Fr. Berlin. V, 452.
1785	Sage		Mém. Acad. Sci. Paris. 1785, 235.
1786	de la Peyrouse	Native metal	Mém. de Toulouse. III, 256.
			Journ. d. M. VI, 599.
			Journ. d. Phys. XXVIII, 68.
			Crell's Ann. 1786, II, 302.
1786	Rinmann	Carbonate (?)	Scheele's Chem. Essays. London, 1786.
1787	Chaptal	Ores	Journ. d. Phys. XXXI, 100.
1787	Dietrich	Ores	Journ. d. Phys. XXX, 351.
1789	Werner	Schwarz braunsteinerz	Bergm. J. 1789, 380.
1791	Napione	"Oxyde rouge"	A. c. p. (1) X, 148.
			Mém de Turin. 4, 303.
1793	Emmerling	Psilomelane	Emmerl. Min. IV, 532.
1794	Lenz	"Luftsaures Braunstein" (Rh)	Lenz. Min. II, 1794.
1795	Vanquelin	Analyses	J. d. Mines. III.

* For many of the references the author is indebted to Dana's Mineralogy, 1868.

1796	Kirwan	Black Wad	Kirwan. Min.
1797	Klaproth	"Granat förmigea Braunsteinerz"	Klapr. Beitr. II, 239.
1798	Dolomieu	Romanèche Ore	J. d. Mines. IV, 27.
1800	Lampadius	Silicate	J. d. Mines. XVII 313. Samml. pr. Chem. Abh. III, 238.
1800	Lampadius	Rhodochrosite	Samml. pr. Chem. Abh. III, 239.
1800	Karsten	"Rother Braunstein" (R)	Karst. Tab, 54 and 78.
1801	Cordier	Useful Orea	J. d. M. X, 763.
1801	Vauquelin	Analyses	J. d. M. IX, 481.
1801	Häty	Mag. oxide	Häty Traité. IV, 1801.
1802	Klaproth	"Grau-manganerz"	Klapr. Beitr. III, 304.
1802	Klaproth	Analysis W	Klapr. Beitr. III, 311.
1802	Cordier	"violet oxide"	J. d. M. XIII, 135.
1802	Vauquelin	Phosphate	J. d. M. XI, 295. A. c. p. XLI, 242.
1805	Vauquelin	Sulphide	Ann. Mus. d. Hist. Nat. VI, 401. Gehlen's J. II, 41. Leonh. Taschenb. II, 266.
1806	Leonhard	Braunsteinkies	Leonh. Tab, 7.
1806	Lucus	Mn. phosphaté	Lucus Tabell. I, I69.
1807	Berzelius	Rother Braunsteinerz	Gehlen's, J. VI, 307. Leonh. Taschenb. I, 261 and 295. Blumenb. Handb. I, 707.
1807	Blumenbach		
1807	Klaproth	"Schwarz Braunstein"	Klapr. Beitr. IV, 137. Leonh. Taschenb. II, 220 and 266.
1808	G. Karsten	Grau Braunstein	Karst. Tab. 1808, 72, 100. Leonh. Taschenb. IV, 172.
1809	Häty	Manganese Carbonaté (Rh)	H. Tahl. III.
1813	Hausmann	Grau braunstein	Hausm. Handb. 288.
1813	Hausmann	Schwarz braunstein	Hausm. Handb. 293.
1813	Hausmann	Triplite	Hausm. Handb. 1079.
1815	Ullmann	"Faseriges grau Braunsteinerz"	Leonh. Tabell. Uebers. 402.
1815	Berzelius	Silicate	Leonh. Taschenb. IX, 432 and 434. Afh. Physik. IV, 382. Ann. Phil. VIII, 232. Schweigg, J. XXI, 254. Leonh. Taschenb. V, 174.
1816	Pusch	Manganspath	Leonh. Taschenb, X, 180.
1817	Jasche	Diaglogite (Rh)	Kl. Min. Schrift. 1817, 4. Gilb. Ann. LX, 84.
1817	Doehereiner	"Knebelite"	Schweigg, J. XXI, 49.
1819	Du Ménil	Minerala	Gilh. Ann. LX, 87.
1819	Du Ménil	Silicate	Gilh. Ann. LXI, 190.
1819	Jasche	Rhodonit	Schweigg, J. XXVI, 110, Note.
1819	Brandea	Orea	Schweigg, J. XXVI, 103 and 121.
1819	Berzelius	Oxides	Schweigg, J. XXVI, 262.
1819	Berzelius	Analysis Tr.	Schweigg, J. XXVII, 70.
1819	Germar	"Hydropit" (R)	Schweigg, J. XXVI, 108.
1819	Berzelius	Phosphate	A. c. p. (2) XII, 34.
1820	Hitchcock	Pyrolusite	Am. J. Sci. (1) II, 374.
1821	Doehereiner	Analysis W	Gilb. Ann. LXVII, 333.
1821	Berthier	Orea	Ann. d. Mines. VI, 291 and 593. A. c. p. (2) XX, 344. Ann. Phil. III, 573.

1821	Berthier	Ores	Schweigg, J. XXXV, 81. Am. J. Sci. VII, 366.
1821	Flecius	"Braunstein von Bodenmais"	Schweigg, J. XXX, 201.
1822	del Rio	"Blende"	Gilb. Ann. LXXI, 7.
1822	Ciat		Am. J. Sci. IV, 38, 54, and 189.
1822	Haily	"Oxyde Hydraté"	Haily Traité. 1822.
1822	Arfvedson	Analysis A	Vetens. Acad. Handl. 1822.
1822	Dewey	Pyrolusite	Am. J. Sci. V, 249.
1823	Breithaupt	"Tephrolite"	Breith. Char. 1823, 278.
1824	Mohs	"Prismatisches Manganerz"	Mohs. Grundriss. 488.
1824	Meade		Am. J. Sci. VII, 54.
1824	Haidinger	"Pyramidal Manganerz"	Mohs. Min. II, 416.
1824	Arfvedson	"Manganglanz"	Pogg. I, 58.
1825	Vauquelin	Huraulite	Ann. Sci. Nat. VIII, 349. A. c. p. XXX, 302.
1825	Hitchcock	Rhodonite	Am. J. Sci. IX, 22.
1824	Arfvedson	Analyses	Afh. Fysik. VI, 222. Schweigg, J. XLII, 202.
1825	Fowler	"Fowlerite"	Am. J. Sci. IX, 345.
1826	Brogniart	"Bustamite" (R)	Ann. Sci. Nat. VIII, 411.
1826	Leonhard	Hyperoxide	Leonh. Handb. 240.
1826	Haidinger	Braunite	Ed. J. Sci. IV, 48.
1826	Haidinger	Crystallographic	Pogg. VII, 225.
1827	Haidinger	Pseudomorph	Pogg XI. 374.
1827	Haidinger	M. H. Py. &c.	Pogg. XIV, 197. Ann. J. M. I, 409. Phil. Mag. IV, 22. Trans. Roy. Soc. Ed. 1827. Leonh. Ztschr. Min. 1829, 628. Ann. d. M. (3) XI, 489. Ann. N. Y. Lyc. Nat. Hist. III, 28. Kastn. Archiv. XIII, 302 and XIV, 257. Trans. Roy. Soc. Edinb. XI. Leonh. Ztschr. 1829, 628. Pogg. Ann. XIV, 222. K. Vet. Acad. Handl. 1828, 171. J. p. Ch. IV, 18. Geiger Mag. Pharm. XXX, 114. Phil. Mag. (2) V, 209. Dingler. J. XXXII, 431. Quart. J. Sci. 1829. Oct. to Dec., 381. Leonh. Jahrb. 1830, 495. A. c. p. (2). XI, 337. Ann. d. M. (2) VII, 137. Schweigg, J. LVII, 454. Dingl. J. XXXIV, 444. Leonh. Jahrb. II, 189. Ann. d. M. (2) VI, 339. Ann. d. M. (2), VI, 595, Mem. Acad. Torino. XXXIII, 167. Leonh. Jahrb. 1835, 84. Quart. J. Sci. (2). VI, 386. Pogg. Ann. XIX, 145.
1827	Berthier	"Ferrosilicate"	
1828	Thomson	Anal. W.	
1828	Wackenroder	Analyses	
1828	Turner	Py. H. Br.	
1828	Rammelsberg	Analysis H.	
1828	Hartwall	Mangan-Epidot	
1829	Phillips	Warwick mineral	
1829	Kane		
1829	Dufrenoy	Huraulite and Hete- pozit	
1829	Damour	Analysis T	
1829	Berthier	Analysis Rh	
1829	Cantu	Carbonate	
1830	Kane	"Kaneite"	

1830	Turner	Wad, &c	Edinb. J. Sci. (2) II, 213.
1831	Fuchs	Analysis Ps	Schweigg. LXII, 253.
1832	Berthier	"Gronoillite" "Marceline"	A. c. p. (2), LI, 79. J. t. C. XVI, 379. Dingler. J. XLVII, 104.
1832	Shepard	"Fowlerite"	Shep. Min. 1832, 186.
1832	Bendant	"Acerdèse"	Beud Traité. II, 369 and 678.
1832	Hitchcock		Am. J. Sci. XXII, 61.
1832	Kersten	Analysis W	Schweigg J. LXVI, 1.
1833	Stromeyer	Analysis Rh	Gött. Gel. Anz. stück. 109, 1081. Leonh. Jahrb. 1834, 224; also, 1835, 85.
1834	Stromeyer	Mangan alumn	A. C. P. X, 235. Pogg. Ann. XXI, 337.
1835	Cordier	Mangan epidote	J. pr. C. IV, 18.
1836	Thomson	"Narkirkite"	Thoms. Min. I, 509.
1837	Taylor	Peroxide containing silver	Phil. Mag. 279. Leonh. Jahrb. 1837, 571.
1838	Ed. Davy	Peroxide containing copper	Dubl. Geol. Soc. J. I, 241.
1838	Apjohn	Manganese alum	Phil. Mag. XII, 103. A. C. P. XXII, 272. J. pr. C. XI, 502. Leonh. Jahrb. 1840, 231.
1838	Ebelmen	Analysis	Ann. d. Mines. (3), XIV, 283. Leonh. Jahrb. 1839, 712.
1839	Fuchs	"Eisenapatit" (Tr)	J. pr. C. XVIII, 490.
1840	Breithaupt	"Heterokline"	Pogg. Ann. XLIX, 204. Breit. Handb. 1847, 801.
1841	Ebelmen	Analysis Ps	Ann. d. M. (3), XI, 155. Leonh. Jahrb. 1842, 337.
1841	Huot	Kapnikite Ouatite	Huot. Manuel. 241.
1841	Böttger	Analysis W	Pogg. Ann. LIV, 545.
1841	Breithaupt	"Zwieselite" (Tr) "Rosenspath" (Rh)	Breit. Handb. II, 299. Breit. Handb. II, 228.
1842	Damour	Analysis Br	Ann. d. M. (4), I, 400.
1842	Rammelsberg	Analysis Ps	Leonh. Jahrb. 1842, 559.
1842	Rammelsberg	Analysis H	Leonh. Jahrb. 1842, 602.
1843	Scheffler	Genesis of ores	Ber. ü. d. II Versammlung Naturv. f. Thüringen. Juni. 1843, 8 and 9. Leonh. Jahrb. 1844, 362. Arch. Pharm. (2) XXXV, 260. Rammelsberg. 1st Supplement. Leonh. Jahrb. 1844, 265.
1843	Clausbruch	Analysis Ps	Pogg. LXII, 145, and 157. Pogg. LXIV, 551. Leonh. Jahrb. 1843, 206.
1844	Rammelsberg	Analyses	Karst. Arch. Min. XVIII, 537. Leonh. Jahrb. 1845, 105.
1844	Nöggerath	Chemical origin of ores	A. C. P. XLIII, 185. Leonh. Jahrb. 1844, 70.
1844	Ettling	Geological	Pogg. XLI, 192.
1844	Plattner	Analysis Py	Ann. d. M. XX, 570.
1844	Senez	Analysis	Leonh. Jahrb. 1844, 69. Leonh. Jahrb. 1843, 345.
1844	Breithaupt	"Polianite" &c	Pogg. LXI, 187. Leonh. Jahrb. 1844, 595

1845	Ehmelmen	Analysis R	Ann. d. M. (4) VII, 8.
1845	Kersten	Genesis of ores	Karst. Archiv. Min. XIX, 754. Leonh. Jahrb. 1846, 229.
1845	Haidinger	"Wiserite"	Haid. Handb. 1845, 493.
1846	Missondakias	Analyses	Leonh. Jahrb. 1846, 614.
1846	Ehmelmen	Analysis silicate	J. pr. Ch. XXXVII, 127.
1846	Breithaupt	Manganocalcite	Pogg. LXIX, 429. Institut. No. 726. Am. J. Sci. (2), V, 268. J. pr. C. XXXVII, 163. Berz. Jahresh. XXV, 342.
1846	Kersten	Analysis R ^h	Pogg. LXVIII, 72.
1846	Igelström	Analysis W	Pogg. Ann. LXVIII, 511.
1846	Rammelsberg	Analysis Ps.	Leonh. Jahrb. 1847, 844.
1846	Rammelsberg	Analysis Manganocalcite	Ann. d. M. (4), XI, 641.
1847	Kersten	Analysis	Hausm. Handb. 222 and 405.
1847	Hausmann	"Glanz Braunstein"	A. C. P. LXI, 262.
1847	Schwarzenberg	Analysis Py	
1847	Haidinger	"Hauerite"	Nat. Abh. Wien. I, 107.
1847	Glocker	"Zwiselite"	Glock. Syn. 244.
1848	Kane	Carbonate	Phil. Mag. (3), XXXII, 37. C. C. 1848, 272. Jahresb. 1848, 1024. Leonh. Jahrb. 1849, 470.
1848	Monhqim	Analysis	Verhandl. Rheinland. Vereins. V, 171. Leonh. Jahrb. 1852, 69.
1848	Rammelsberg	Manganese copper ores	Pogg. Ann. LXXIV, 559.
1848	Credner	Occurrence	Leonh. Jahrb. 1849, 559. Pogg. Ann. LXXIV, 546.
1849	Del Rio	Mn Zn & Cu alloy	Leonh. Jahrb. 1849, 310.
1849	Hermann	Hydrated oxide from North America	Bull. géol. Soc. III, 24 and 25. Leonh. Jahrb. 1849, 96.
1849	Hermann	"Mangan-amphibole"	J. p. C. XLVII. Leonh. Jahrb. 1850, 447.
1850	Websey	"Mangan-idokras"	J. pr. Ch. XLVII, 7. Am. J. Sci. (2), IX, 410.
1850	Bahr	Analysis W	Pogg. Ann. LXXIX, 166.
1850	Delanoue	Geological	Leonh. Jahrb. 1851, 89.
1850	Grunner	Geological	J. pr. Ch. LIII, 308. Ann. d. M. (4) XVIII, 455. Ann. d. M. (4), XVIII, 61.
1851	Igelström	"Paisbergite"	Jahresh. 1850, 761 and 771. Aft. Ak. Stockh. 1851, 143.
1852	Rammelsberg	Analysis	J. pr. Ch. LIV, 192. Pogg. Ann. LXXXV, 297.
1852	Wells	Distribution	Leonh. Jahrb. 1853, 176.
1852	Bechi	Analysis Br	Am. J. Sci. (2), XIII, 9.
1853	Kenngott	Hermannite (R)	Am. J. Sci. (2), XIV, 62.
1853	Sandberger	Mangan-spath	Kenng. Min. 71.
1854	Müller	Minerals of Jura	Pogg. Ann. LXXXVIII, 491.
1854	J. L. Smith	Alum	Verh. Nat. Ges. Basel, 1854, 95. Leonh. Jahrb. 1857, 168. Am. J. Sci. (2), XVIII, 379. J. pr. Ch. LXIII, 460. C. C. 1855, 7. Jahresb. 1854, 863.

1854	Schultz	Analysis Ps	Rammelsb. Mineralchemie, 1006.
1854	Huene	Ps in trachyte	Zeitschr. deutsch. geol. Ges. IV, 576. Leonh. Jahrb, 1854, 593.
1854	Müller	Pseudomorpha	Berg- Hütten-männ. Zeit. 1854, 289. Leonh. Jahrb. 1855, 69.
1856	Birnbacher	Carbonate	A. C. P. XCVIII, 144. J. p. C. LXVIII, 64. C. C. 1856, 495. Jahresb. 1856, 883.
1856	Haidinger	"Reissacherit"	Jahrb. geol. Reichs. VII, 209.
1856	Burkhart	Mangan-blende	Verh. Niederrhein. Ges. 1856, Jan.
1857	Bergemann	"Blende"	Leonh. Jahrb. 1857, 394. Jahresb. 1857, 659. Verh. Nat. Ver. Bonn. III. Jahrb. geol. Reichs. VI, 97. Leonh. Jahrb. 1859, 433.
1857	Glocker	Ps	Jahrb. geol. Reichs. VII, 312. Chem. Gaz. 1858, 104.
1857	Hornig	Analysis W	Bull. Sci. St. Petersb. XVI, 305.
1858	Field	Cupreous oxide	Uebers. d. Min. Forsch. 1859, 12.
1858	Abich	Ores of the Caucasus	Am. J. Sci. (2), XXVII, 134.
1859	Kenngott	Alum	Jahresb. 1859, 813.
1859	T. S. Hunt	Carbonate	A. C. P. CXV, 348. Rep. chim. pure. III, 90. Verh. Nat. Nassau, XIV, 434.
1860	Hildebrand	Carbonate	Rammelsb. Mineralchemie. 1860, 473.
1860	Rammelsberg	"Cummingtonite" (R)	J. p. C. LXXIX, 414.
1860	Bergemann	Analysis Tr	Bull. Soc. Ind. Min. VI, 29.
1860	Breuilhs and Sevoz	Ores of Huelva	Allg. Berg. Ztg. III, 213, 245.
1861	Hahu	Analysis R	B. H. Ztg. XX, 267.
1861	K. List	Analysis Ps	J. p. C. LXXXIV, 60. Pogg. Ann. CX, 321. Leonh. Jahrb. 1861, 186.
1861	Zerrenner	Geological	Die Braunstein Bergbaue in Deutsch- land, Freiberg. 1861. J. c. T. VII, 143.
1861	How	Analyses	Phil. Mag. (4), XXI, 165. Leonh. Jahrb, 1866, 724.
1864	Igelström	"Pyrochroit"	Oefv. Ak. Stockh. 1864, 205. Pogg. CXXII, 181. Leonh. Jahrb. 1865, 83.
1864	von Kobell	Analysis Tr	J. p. C. XCII, 390.
1864	Brush	Analysis T	Am. J. Sci. (2), XXXVII, 66.
1864	Rose	Br & H	Pogg. CXXI, 318.
1865	Breithaupt	Fauserite	B. H. Ztg. XXIV, 301.
1865	Igelström	"Chondrarsenite"	Oefv. Ak. Stockh. XXII, 3, 606.
1865	Rammelsberg	Analyses and Sp. Gr.	Berl. Acad. Ber. 1865, 112. Pogg. CXXIV, 513. J. p. C. XCIV, 401. Z. C. 1865, 346. C. C. 1865, 347. Arch. Pharm. (2), CXXVI, 39. Bull. soc. chim. (2), VI, 30. Jahresb. 1865, 877.

1866	Schmid	Psilomelan	Pogg. CXXVI, 151. Jahresb. 1865, 878.
1866	Schrauf	Twin crystals of al- abandite	Pogg. CXXVII, 348.
1866	How	Analysis M	Phil. Mag. (4), XXXI, 166.
1866	Breithaupt	"Blumenbachite"	B. H. Ztg. XXIII, 193.
1866	Rammelsberg	Analysis K	Z. S. G. XVIII, 34.
1866	Pisani		C. R. LXII, 109.
1866	Kenngott	Pyrochroite	Leonh. Jahrb. 1866, 440.
1867	Cleve & Nor- denskiöld	Analysis of silicates	J. p. C. C, 119. Bull. soc. chim. (2), VIII, 43.
1867	Igelström	Piemontit	Oefv. Akad. Stockh. 1867, 1. J. p. C. CI, 432. Leonh. Jahrb. 1868, 203. C. C. 1868, 624. Bull. soc. chim. (2), IX, 57.
1867	Braun	Analysis M	Z. anal. Ch. VI, 67.
1867	Blake	Tungstate	Am. J. Sci. (2), XLIII, 125.
1869	Heymann	Carbonate	Sitzungsb. d. niederrhein. Ges. in Bonn, 1869, 95. Leonh. Jahrb. 1870, 625.
1870	Ludwig	Analyses	Arch. Pharm. (2), CXLIII, 194. C. C. 1870, 627. Jahresb. 1870, 1124.
1870	Kayser	Manganite	Zeitschr. geol. Ges. XXII, 182. Jahresb. 1870, 1281.
1870	Roepfer	Analysis of carb- onate	Am. J. Sci. (2), L, 37. Leon. Jahrb. 1870, 892. C. C. 1870, 708. Jahresb. 1870, 1325.
1870	Euders	Anal. of carb.	Arch. Pharm. (2), CXLIII, 198. C. C. 1870, 627.
1871	Raab	Occurrence	N. R. Pharm. XX, 1 (prize essay). Leonh. Jahrb. 1871, 517. Jahresb. 1871, 1129.
1871	Mills	Analyses and geo- logical occurrence	Am. Chem. (2), IV, 49. Jahresb. 1871, 1143.
1872	Pisani	Anal. Mangano-sili- co-aluminste con- taining vanadium.	D. C. Ges. V, 1057. Am. Chem. III, 465.

EXPLANATION OF ABBREVIATIONS.

Abh. Acad. Wiss. Berlin.	Abhandlungen der K�niglichen Academie der Wissenschaften zu Berlin.
Abh. Schw. Acad. Wiss.	Abhandlungen der k�niglichen Schwedischen Academie der Wissenschaften. Stockholm.
A. c. p.	Annales de chimie et de physique, Paris.
A. C. P.	Annalen der Chemie und Pharmacie, Heidelberg.
Afhandl. Fysik K. och Min.	Afhandlingar Fysik, Kemi, och Mineralogi, Berzelius, Stockholm.
Allg. Berg. Ztg.	Allgemeine Berg- und H�ttenm�nnische Zeitung, Hartmann, Quedlinburg.
Am. Chem.	American Chemist, C. F. and W. H. Chandler, New York.
Am. J. Sci.	American Journal of Science and Arts, Silliman and Dana, New Haven, Ct.
Ann. Phil.	Annals of Philosophy, Thomson, London.
Ann. Ch. Pharm.	Annalen der Chemie und Pharmacie, Heidelberg.
Ann. d. Mines or Ann. d. M.	Annales des Mines, Paris.
Ann. Gen'l des Sci. Phys.	Annales g�n�rales des sciences physiques, Von Mons, Bruxelles.
Ann. G�nie civil.	Annales du G�nie civil, Paris.
Ann. Mus. d'Hist. Nat.	Annales du Mus�e d'Histoire Naturelle, Paris.
Ann. N. Y. Lyc. Nat. Hist.	Annals of the Lyceum of Natural History, New York.
Arch. Pharm.	Archiv der Pharmacie, Halle, etc.
Arch. ph. nat.	Archives des sciences physiques et naturelles, G�n�ve.
Bay. Ind. Gewerbebl.	Bayerisches Industrie und Gewerbeblatt, M�nchen.
Beitr. zur Phys. u. Ch.	See Schwigg.
Beob. Berl. Ges. Naturf. Fr.	Beobachtungen der Gesellschaft der Naturforschende Freunde zu Berlin.
Berl. Acad. Ber.	Bericht �ber die . . . Verhandlungen der K. Preussische Academie der Wissenschaften zu Berlin.
Berl. Gewerb. Handelsbl.	Gewerbe, Industrie und Handelsblatt, Berlin.
Berg. H�ttenm. Ztg.	Berg- und H�ttenm�nnische Zeitung, Leipzig.
Beud. Trait�	Trait� �l�mentaire de min�ralogie, Beudant.
B. H. Ztg.	See Berg. H�ttenm. Ztg.
Bern Mitth.	Mittheilungen der Naturforschenden Gesellschaft in Bern.
Berz. Jahresb.	Jahresbericht �ber die Fortschritte der Chemie, etc., Berzelius, T�bingen.
Bibl. Univers.	Biblioth�que Universelle des Sciences, etc., G�n�ve.
Br. d. Inv.	Descriptions des Machines et Proc�d�s sp�cifi�s dans les Brevets d'Inventions, Paris.
Brugnatelli.	Annali di Chimica, Brugnatelli, Pavia.
Brugnatelli G.	Giornale di fisica, chimica e storia naturale, L. Brugnatelli, Pavia.
Buchner's Repert.	Repertorium f�r die Pharmacie, Buchner, N�rnberg.
Bull. Geol. Soc. Paris.	Bulletin de la Soci�t� Geologique de France, Paris.
Bull. Sci. St. Petersb.	Bulletin Scientifique publi� par l'Acad�mie Imp. des Sciences de St. Petersburg.
Brom. Min.	Von Bromell's Mineralogia, Stockholm.
Breith. Char.	Vollst�ndige Charakteristik des Mineralsystems, Breithaupt.

- Bull. soc. chim.
Bull. soc. d'Encourage.
- Bull. soc. Ind. Mulh.
Bresl. Gewerbebl.
Caesalp. de Metallicis.
Canad. J.
C. C.
Chem. Gaz.
Chem. News.
Chem. Soc. Trans.
Chem. Soc. Mem.
Cimento.
C. R.
- Crell's N. Entd.
- Crell's Ann.
Cronst. Min.
Dingl. J. or Dingl. pol. J.
D. C. Gea.
- Deutsche Indnst. Ztg.
Deutsche Gewerbe Ztg.
Doch. Lehrb. d. Chem.
Dubl. Geol. Soc. J.
Edinb. J. Sci.
Edinb. Med. Surg. J.
Edinb. Phil. J.
Emmerl. Min.
Engineering.
Gehlen's J.
Geiger's Mag.
Gilb. Ann.
Gött. Gel. Anz.
Gren's J. d. Physik.
Hannover Mitth.
- Hausm. Handb.
Haüy Traité.
Hessische Gewerbebl.
- Hofman's Report. 1862.
Huot Manuel.
H. Tabl.
Irish Acad. Proc.
Instit.
Jahrb. geol. Reichs.
- Jahrb. Min.
Jahresb.
- Jahresb. reinen. Chemie.
- Jahres. des phys. Ver. zu Frank-
furt.
- Bulletin de la Société chimique de Paris.
Bulletin de la Société d' Encouragement pour l' In-
dustrie National, Paris.
Bulletin de la Société Industrielle de Mulhouse.
Breslauer Gewerbeblatt, Schwartz, Breslau.
De Metallicis, Caesalpinus, Romae, 1596.
Canadian Journal of Industry, &c., Toronto.
Chemisches Centralblatt, Leipzig.
Chemical Gazette, Francis & Croft, London.
Chemical News, Crookes, London.
Transactions of the Chemical Society of London.
Memoirs of the Chemical Society of London.
Il Cimento, Giornale di fisica ecc. Pisa.
Compte rendu des Séances de l'Académie des Sci-
ences, Paris.
Die neueste Entdeckungen in der Chemie, Crell,
Leipzig.
Chemische Annalen, Crell, Leipzig.
Mineralogie, Crostedt, Stockholm.
Polytechnisches Journal, Dingler, Stuttgart.
Berichte der deutschen chemischen Gesellschaft zu
Berlin.
Deutsche Industrie Zeitung. Binder, Chemnitz.
Deutsche Gewerbe Zeitung, Wieck, Berlin.
Lehrbuch der Chemie, Doehereiner.
Journal of the Dublin Geological Society.
Edinburgh Journal of Science, Brewster.
Edinburgh Medical and Surgical Journal.
Edinburgh Philosophical Journal.
Lehrbuch der Mineralogie, Emmerling.
Engineering, London.
Allgemeines Journal der Chemie, Gehlen, Berlin.
Magazin für Pharmacie, Geiger, Carlsruhe.
Annalen der Physik, Gilbert, Halle.
Göttingische Anzeigen von gelehrten Sachen.
Journal der Physik, Gren, Halle.
Mittheilungen des Gewerbe-Vereins für das König-
reich Hannover.
Haudbuch der Mineralogie, Hausmann.
Traité de Minéralogie par C. Haüy, Paris.
Gewerbeblatt für das Großherzogthum Hessen,
Darmstadt.
Hofmann's Report of the Exhibition of 1862.
Manuel de Minéralogie par Huot.
Tableau comparatif Mjnéraux. Haüy.
Proceedings of the Royal Irish Academy.
L'Institut, Paris.
Jahrbuch der k. k. geologischen Reichsanstalt,
Wien.
See: Leonh. Jahrb.
Jahresbericht über die Fortschritte der Chemie,
Giesesen.
Jahresbericht über die Fortschritte der rei-
nen Chemie, Tübingen.
Jahresbericht des physikalischen Vereins zu Frank-
furt am Rheio.

Jena. Zeit. Med. u. Nat.	Jenaische Zeitschrift für Medicin und Naturwissenschaft.
J. c. T.	Jahresbericht über die Fortschritte der chemischen Technologie, Wagner, Leipzig.
J. d. M.	Journal des Mines, Paris.
J. p. C. or J. pr. Ch.	Journal für praktische Chemie, Erdmann.
J. techn. Ch.	Journal für technische Chemie, Erdmann.
J. Chim. Méd.	Journal de chimie médicale.
J. Roy. Inst.	Journal of the Royal Institution of Great Britain.
Journ. de Phys.	Journal de Physique, Rozier, Paris.
J. Pharm.	Journal de Pharmacie et de Chimie, Paris.
Karsten's Archiv.	Archiv für Mineralogie, Geognosie, etc., Karsten, Berlin.
Karst. Tab.	Tabellarische Uebersicht der Mineralien, Karsten.
Kastn. Archiv.	Archiv für die gesammte Naturlehre, Kastner, Nürnberg.
Kenng. Min.	Das Mohsische Mineralsystem, Kenngott.
Klapr. Beitr.	Beiträge zur chemischen Kenntnisse der Mineralkörpers, M. H. Klaproth.
Kurhess. Gewerbebll.	Gewerbebllatt für das Grossherzogthum Heesen, Darmstadt.
Les Mondes.	Les Mondes, Moigno, Paris.
Le Technologiste.	Le Technologiste, Paris.
Leonh. Taschenb.	Taschenbüch für die gesammte Mineralogie, Leonhard, Frankfurt am Main.
Leonh. Jahrb.	Jahrbuch für Mineralogie, Geognosie, etc. Leonhard, Heidelberg.
Leonh. Tab.	Systemmatisch-tabellarische Uebersicht der Mineralien, Leonhard, Frankfurt am Main.
Leonh. Zeitschr.	Zeitschrift für Mineralogie, Leonhard, Frankfurt am Main.
London J. of Arts.	London Journal of Arts and Sciences, Newton, London.
Lucas Tab.	Tableau méthodique des espèces Minérales, Lucas, Paris.
Mem. Acad. Sci., Paris	Mémoires d l'Académie des Sciences, Paris.
Mem. de Toulouae.	Mémoires de l'Académie des Sciences de Toulouse.
Mem. de l'Inst.	Mémoires de l'Institut National des Sciences et des Arts, Paris.
Mitth. Naturf. Ges. Bern.	Mittheillungen der naturforschenden Gesellschaft in Bern.
Mohs' Min.	Grundriss der Mineralogie, Mohs.
Monit. Scientif.	Moniteur Scientifique, de Quesneville, Paris,
Muster Ztg.	Deutsche Muster Zeitung für Färberei, Berlin.
N. Arch. ph. nat.	Nouvelles archives des sciences physiques et naturelles, Genève.
Nachr. Göttingen.	Nachrichten von der G.-A.-Universität und der k. Gesellschaft der Wissenschaften zu Göttingen.
Neue Abh. Schw. Acad. Wiss.	See: Abh. Schw. Acad. Wiss.
N. Jahrb. Pharm.	Neues Jahrbuch für Pharmacie, Speyer.
N. R. Pharm.	Neues Repertorium für Pharmacie, Buchner, Nürnberg.
Oefv. Ak. Stockh.	Oefversigt af Kongl. Vetenskaps-Akademiens Forhandlingar; Stockholm.
Oesterr. Z. Berg. u. Hütten.	Oesterreichische Zeitschrift für Berg und Hüttenwesen.

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| <p>Pat. Specif. Abr. Acids and salts.</p> <p>Petersb. Acad. Bull.</p> <p>Pharm. Centr.</p> <p>Phil. Mag.</p> <p>Phil. Trans.</p> <p>Phys. Arb. Fr. Wien.</p> <p>Pogg. or Pogg. Ann.</p> <p>Pol. Notizbl.</p> <p>Pol. Centr.</p> <p>Proc. Am. Acad. Sci.</p> <p>Proc. Roy. Soc.</p> <p>Quart. J. Sci.</p> <p>Rammelsb. Min.</p> <p>Records Gen'l Sci.</p> <p>Rep. Arts and Manuf.</p> <p>Rep. Pat. Inv.</p> <p>Rep. Br. Assoc.</p> <p>Rep. chim. appl.</p> <p>Rep. chim. pure.</p> <p>Reuss Repertor.</p> <p>Samml. pr. chem. Abb.</p> <p>Schw. Berl. Ges. Naturf. or,
Schrift. Ges. Naturf. Fr. Berlin
Schweigg.</p> <p>Schweizer pol. Zts.</p> <p>Sciagr. Berg.</p> <p>Shep. Min.</p> <p>Sitzungsb. Akad. Wiss. Wien</p> <p>Sitzungsh. d. niederrhein. Ges. in
Bonn</p> <p>Thoms. Min.</p> <p>Trans. Roy. Irish Acad.</p> <p>Trans. Nova Scotia Inst. Nat. Sci.</p> <p>Trommsd. J. d. Pharm.</p> <p>Ubersicht d. min. Forsch.</p> <p>Verh. Nat. Nassau.</p> <p>Verh. Nat. Ver. Bonn.</p> | <p>Abridgements of Specifications relating to Acids
. and Salts, A. D., 1622--1866. London, 1869.</p> <p>Bulletin de l'Académie des Sciences de St. Petersburg.</p> <p>Pharmaceutisches Centralblatt. Leipzig.</p> <p>London, Edinburgh and Dublin Philosophical Magazine, London.</p> <p>Philosophical Transactions of the Royal Society of London.</p> <p>Physikalische Arbeiten der einträchtigen Freunde in Wien.</p> <p>Annalen der Physik und Chemie, Poggendorf, Berlin.</p> <p>Polytechnisches Notizblatt.</p> <p>Polytechnisches Centralblatt.</p> <p>Proceedings of the American Academy of Sciences, Boston.</p> <p>Proceedings of the Royal Society of London.</p> <p>Quarterly Journal of Science (Brandes), London.</p> <p>Handbuch der Mineralchemie, Rammelsberg, 1860.</p> <p>Records of General Science, Thomson, London.</p> <p>Repertory of Arts and Manufactures. First Series of Rep. Pat. Inv.</p> <p>Repertory of Patent Inventions, London.</p> <p>Reports of the British Association for the Advancement of Science.</p> <p>Répertoire de chimie appliquée, Paris.</p> <p>Répertoire de chimie pure et appliquée, Paris.</p> <p>Repertorium commentationum, J. D. Reuss, Göttingen.</p> <p>Sammlung praktisch-chemischer Abhandlungen, Lampadius, Dresden.</p> <p>Schriften der Gesellschaft der Naturforschende Freunde zu Berlin.</p> <p>Journal für Chemie und Physik, Schweigger, Nürnberg.</p> <p>Schweizerische polytechnische Zeitschrift, Winterthur.</p> <p>Bergmann's Sciagraphia, 1782.</p> <p>Treatise on Mineralogy, by C. U. Shepard.</p> <p>Sitzungsberichte der k. k. Akademie der Wissenschaften zu Wien.</p> <p>Sitzungsberichte der niederrheinländische Gesellschaft in Bonn.</p> <p>Outlines of Mineralogy by T. Thomson.</p> <p>See Irish Acad. Proc.</p> <p>Transactions of the Nova Scotia Institute of Natural Science, Halifax.</p> <p>Journal der Pharmacie, Trommsdorf, Leipzig.</p> <p>Uebersicht der mineralogische Forschungen in der Schweiz, Kennigott.</p> <p>Verhandlungen der Naturhistorische Gesellschaft in Nassau.</p> <p>Verhandlungen des Naturhistorischen Vereines der preussischen Rheinlande und Westphalens, Bonn.</p> |
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Verh. Niederrhein. Ges.	Verhandlungen der niederrheinländische Gesellschaft zu Bonn.
Verh. Naturf. Ges. Basel.	Verhandlungen der Naturforschenden Gesellschaft in Basel.
Vet. Acad. Nya. Handl. or Vetensk. Acad. Handl.	Kongl. Svenska Vetenskaps Academiens Handlingar, Stockholm. (Old and New Series).
Vierteljahres. Pharm.	Vierteljahresschrift für praktische Pharmacie, Wittstein, München.
Wall. Min.	Mineralogia, Wallerius, Stockholm.
Wien Akad. Ber.	Sitzungsberichte der naturwissenschaftliche classe der Kaiserliche Academie der Wissenschaften zu Wien.
Z. C.	Zeitschrift für Chemie, Göttingen.
Z. C. P.	Zeitschrift für Chemie und Pharmacie, Erlangen.
Z. anal. C.	Zeitschrift für analytische Chemie, Fresenius, Wiesbaden.
Zeitschr. deutsch. geol. Ges.	Zeitschrift der deutschen geologischen Gesellschaft, Berlin.
Zeitschr. Phys. Math.	Zeitschrift für Physik, Mathematik und verwandte Fächer, Baumgarten.

E R R A T A .

Page	3, line 30	from top,	remove the period after "Nova."
"	4, " 23	" "	for "J. de m." read: J. de M.
"	5, " 5	bottom,	remove the period after "och."
"	8, " 21	top,	after "Dingler" insert J.
"	8, " 34	" "	for "Chem" read: Chim.
"	12, " 33	" "	remove period after "dc."
"	16, " 36	" "	strike out]]
"	20, " 2	" "	strike out]]
"	21, " 12	bottom,	for "Schweitz" read: Schweiz.
"	25, " 9	" "	for "Schweitz" read: Schweiz.
"	26, " 33	top,	for "Schweitz" read: Schweiz.

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