

- Lacroix, A. (1898): Sur la ktyptéite, nouvelle forme de carbonate de calcium différente de la calcite et de l'arragonite. *Compt. Rend. (Paris)*, vol.126, pp.602-605.
- Lacroix, A. (1905): Sur un nouveau minéral, la giorgiosite. *Bull. Soc. Franç. Minéral.*, vol.28, pp.198-200.
- Ladd, H. S. & Schlanger, S. O. (1960): Drilling operations of Eniwetok Atoll. U.S. Geol. Survey, Prof. Paper no.260 Y, pp.863-903.
- Ladd, H. S.; Tracey Jr., J. I. & Grant Gross, M. (1970): Deep drilling on Midway Atoll. U.S. Geol. Survey, Prof. Paper no.680-A, pp.A1-22.
- Ladd, H. S.; Tracey, J. I. & Lill, G. G. (1948): Drilling on Bikini Atoll, Marshall Islands. *Science*, vol.107, pp.51-55.
- Ladd, H. S.; Ingerson, E.; Townsend, R. C.; Russel, M. & Stephenson, H. K. (1953): Drilling on Eniwetok Atoll, Marshall Islands. *Bull. Am. Assoc. Petrol. Geol.*, vol.37, pp.2257-2280.
- Lafon, G. M. (1978): Equilibrium criteria for two-component solids reacting with fixed composition in an aqueous phase – Example; The magnesian calcites – Discussion. *Am. Jour. Sci.*, vol.278, pp.1455-1468.
- Lafontaine, G. H. (1925): Contribution à l'étude de l'équilibre du carbonate de magnésie en solutions ammoniacales. *Compt. Rend. (Paris)*, vol.180, pp.2045-2047.
- Lahann, R. W. & Siebert, R. M. (1982): A kinetic model for distribution coefficients and applications to Mg calcites. *Geochim. Cosmochim. Acta*, vol.46, pp.2229-2237.
- Lahav, N. & Bolt, G. H. (1964): Self-diffusion of ^{45}Ca into certain carbonates. *Soil Sci.*, vol.97, pp.293-299.
- Lalou, C. (1957): Studies of bacterial precipitations of carbonates in sea water. *Jour. Sed. Petrol.*, vol.27, pp.190-195.
- Lalou, C.; Labeyrie, J. & Delibrias, G. (1966): Datation des calcaires coralliens de l'Atoll de Nuroroa (archipel des Tuamotu) de l'époque actuelle jusqu'à – 500.000 ans. *Compt. Rend. (Paris), Sér.D*, vol.263, pp.1946-1949.
- Lancelot, Y. & Ewing, J. I. (1972): Correlation of natural gas zonation and carbonate diagenesis in Tertiary sediments from the Northwest Atlantic. pp.791-799, in: Hollister, C. D. et al. (eds.): Initial Reports Deep Sea Drilling Project, vol.11. U.S. Government Printing Office, Washington, 1077 p.
- Lancisi, J. M. (1718): Opera quae hactenùs prodierunt omnia; dissertationibus nonnullis adhuc dum inedites locupletata, & ab ipso auctore, recognita atque emendata. Fratum de Tournes, Genevae, 162 p.

- Land, L. S. (1967): Diagenesis of skeletal carbonates. *Jour. Sed. Petrol.*, vol.37, pp.914-930.
- Land, L. S. (1973): Holocene meteoric dolomitization of Pleistocene limestones, North Jamaica. *Sedimentology*, vol.20, pp.411-424.
- Land, L. S. (1980): The isotopic and trace element geochemistry of dolomite: The state of the art. pp.87-110, in: Zenger, D. H. et al.(eds.): *Concepts and models of dolomitization*. Society Economic Paleontologists Mineralogists, Tulsa (Oklahoma).
- Land, L. S. & Epstein, S. (1970): Late Pleistocene diagenesis and dolomitization, north Jamaica. *Sedimentology*, vol.14, pp.187-200.
- Landes, K. K. (1946): Porosity through dolomitization. *Bull. Am. Assoc. Petrol. Geol.*, vol.30, pp.305-318.
- Landmann, G.; Reimer, A. & Kempe, S. (1966): Climatologically induced lake level changes at Lake Van, Turkey, during the Pleistocene/Holocene transition. *Global Biogeochemical Cycles*, vol.10, pp.797-808.
- Landuyt, J. van (1964): An electron microscopic investigation of phenomena associated with solid solution of oxygen in niobium. *Physica Status Solidi*, vol.6, pp.957-974.
- Langmuir, D. (1965): Stability of carbonates in the system $\text{MgO}-\text{CO}_2-\text{H}_2\text{O}$. *Jour. Geol.*, vol.73, pp.730-754.
- Langmuir, D. (1971): Geochemistry of some carbonate ground waters in central Pennsylvania. *Geochim. Cosmochim. Acta*, vol.35, pp.1023-1045.
- Langmuir, I. (1913): Der Dampfdruck metallischen Wolframs. (The vapor pressure of metallic tungsten.) *Physik. Zeitschr.*, Bd.14, pp.1273-1280.
- Lannung, A. & Tovborg Jensen, A. (1949): Tensimetric and X-ray investigations on magnesium carbonate trihydrate and its dehydration products. *Kongelige Danske Videnskab Selskab, met.-fys. Medd.*, Bd.25, no.12, 37 p.
- Laporte, L. F. (1967): Carbonate deposition near mean sea-level and resultant facies mosaïc: Manlius Formation (Lower Devonian) of New York State. *Am. Assoc. Petrol. Geol. Bull.*, vol.51, pp.73-101.
- Larrabee, D. M. (1969): Serpentine and rodingite in the Hunting Hill Quarry, Montgomery County, Maryland. *U.S. Geol. Survey Bull.*, no.1283, 34 p.
- Lasaulx, A. von (1875): "Briefwechsel. A. Mittheilungen an Professor G. Leonhard." *Neues Jahrb. Mineral.*, Jg.1875, pp.629-633.

- Last, W. M. & Schweyen, T. H. (1985): Holocene history of Waldsea Lake, Saskatchewan, Canada. *Quaternary Research*, vol.24, pp.219-234.
- Last, W. M. & Slezak, L. A. (1986): Paleohydrology, sedimentology, and geochemistry of two meromictic saline lakes in southern Saskatchewan. *Géographie physique et Quaternaire* (Montreal), vol.40, pp.5-15.
- Laue, M. von (1912): Eine quantitative Prüfung der Theorie für die Interferenz-Erscheinungen bei Röntgenstrahlen. *Sitzber. meth.-physik. Kl. Bayer. Akad. Wiss München*, Jg.1912, pp.363-373.
- Laue, M. von (1917): Temperatur- und Dichteschwankungen. *Physik. Zeitschr.*, Bd.18, pp.542-544.
- Laugier, A. (1814): Note sur la présence de la strontianite dans l'arragonite. *Jour. des Mines*, vol.36, pp.313-316.
- Laugier, A. (1826): Analyse de deux pierres calcaires magnésiennes provenant des montagnes d'Ollioule, en Provence, et de Cette, en Languedoc. *Ann. des Sciences Naturelles*, vol.7, pp.243-244.
- Laugier, A. (1830): Analyse d'un carbonate de chaux magnésifère de la Spezzia, dans les Appennins. *Mém. du Musée d'Histoire Naturelle*, vol.19, pp.142-144.
- Lautz, H. (1913): Über die Beziehungen instabiler Formen zu stabilen. *Zeitschr. f. physik. Chemie*, Bd.84, pp.611-640.
- Laves, F. (1959): Kristallstruktur und Kristallchemie von Elementen und metallischen Verbindungen. pp.152-177, in: Frisch, O. R. et al. (eds.): *Beiträge zur Physik und Chemie des 20. Jahrhunderts*. Vieweg, Braunschweig.
- Lecocq de Boisbaudran, P. E. (1866): Sur les solutions sursaturées. *Compt. Rend. (Paris)*, vol.63, pp.95-96 + p.265.
- Lehmann, O. (1888/1889): *Molekularphysik*. W. Engelmann, Leipzig. Bd.1 (1888) = 852 p., Bd.2 (1889) = 697 p.
- Leighton, G. W. (1888): Analysis of a crystalline scale formed in the manufacture of sodic bicarbonate by the ammonia process at Syracuse, N.Y. *Chemical News*, vol.57, pp.3-4.
- Leitmeier, H. (1909): Die Absätze des Mineralwassers von Rohitsch-Sauerbrunn in Steiermark. *Zeitschr. Krist.*, Bd.47, pp.104-123.
- Leitmeier, H. (1910 A): Zur Kenntnis der Carbonate. Teil I. Die Dimorphie des kohlensauren Kalkes. *Neues Jahrb. Mineral.*, Jg.1910, pp.49-74.

- Leitmeier, H. (1910 B): Über wasserhaltige Magnesiakarbonate. *Tschermak's Min. Petrogr. Mitt.*, Bd.28, pp.481-485.
- Leitmeier, H. (1912): Wasserhaltige dolomit-ähnliche Mineralien. pp.401-402, in: Doelter, C. (ed.): *Handbuch der Mineralchemie*. Th. Steinkopff, Dresden. Bd.1 = 1008 p.
- Leitmeier, H. (1915): Der heutige Stand der Dolomitfrage. *Tschermak's Mineral. Petrogr. Mitt.*, N.F., Bd.33, pp.532-547.
- Leitmeier, H. (1916 A): Zur Kenntnis der Carbonate. II. *Neues Jahrb. Mineral., Beil.-Bd.*40, pp.655-700.
- Leitmeier, H. (1916 B): Einige Bemerkungen über die Entstehung von Magnesit- und Sideritlagerstätten. *Mitt. Geol. Ges. Wien*, Bd.9, pp.159-166.
- Leitmeier, H. (1953): Die Entstehung der Spatmagnesite in den Ostalpen. *Tschermak's Min. Petr. Mitt.*, Bd.3, pp.305-331.
- Leimeier, H. & d'Achiardi, G. (1912): Die Hydrate des Magnesiumcarbonats. pp.261-262, in: Doelter, C. (ed.): *Handbuch der Mineralchemie*. Th. Steinkopff, Dresden. Bd.I = 1008 p.
- Lemberg, J. (1887): Zur mikrochemischen Untersuchung von Calcit, Dolomit und Predazzit. *Zeitschr. Deut. geol. Gesell.*, Bd.39, pp.489-492.
- Lemberg, J. (1888): Zur mikroskopischen Untersuchung von Calcit, Dolomit und Predazzit. *Zeitschr. Deut. geol. Gesell.*, Bd.40, pp.357-359.
- Lemoine, P. (1911): Structure anatomique des Mélobésées. Application à la classification. *Ann. Inst. Océanogr. Monaco*, vol.2, no.2, 213 p.
- Lepsius, R. (1878): Das westliche Süd-Tirol geologisch dargestellt. Wilhelm Hertz, Berlin, 368 p.
- Lesko, I. (1972): Über die Bildung von Magnesitlagerstätten. *Mineralium Deposita*, Bd.7, pp.61-72.
- Leube, G. (1839): Geognostische Beschreibung der Umgegend von Ulm. Beiträge zur Kunde der Jura- und Süßwasser-, Kalk insbesondere der jüngsten Süßwasser-Kreide-Formationen. In der J. Ebner'schen Buchhandlung, Ulm, 85 p.
- Leube, G. (1840): Geognostische Beschreibung der Umgegend von Ulm (Auszüge). *Neues Jahrb. Mineral.*, Jg.1840, pp.371-373.
- Leube, G. (1844): Untersuchungen über die Natur des Dolomits. Amtlicher Bericht über die zweiundzwanzigste Versammlung deutscher Naturforscher und Aertzte in Bremen, 1844, Abth.2, pp.48-58.

- Levchenko, V. M. (1966): Formation of dolomite under natural conditions. Chem. Abstracts, vol.70 (1969), no.39.782 b.
- Levchenko, V. M.; Perova, N. I. & Lazarev, V. S. (1975): Dolomite formation conditions. Chem. Abstr., vol.85 (1976), no.180,293 j.
- Levi, G. R. (1924): Struttura dei carbonati basici di magnesio. Annali di Chimica Applicata, vol.14, pp.265-274.
- Levi, G. R. (1930): Sui carbonati basici di magnesio. Giornale di Chimica industriale ed applicata, 1930, p.224.
- Levshovs, P. P.; Muzyka, G. M.; Smirnov, G. I. & Kharkiv, A. D. (1965): Huntite in the Yakutian kimberlites. Chem. Abstracts, vol.62 (1965), no.11.541 a.
- Liebe, T. (1855): Der Zechstein des Fürstenthums Reuss-Gera. Zeitschr. Deut. geol. Gesell., Bd.7, pp.406-437.
- Liebermann, O. (1967): Synthesis of dolomite. Nature, vol.213, pp.241-245.
- Liebmann, H. (1950): Zur Biologie der Methanbakterien. Gesundheits-Ingenieur, Bd.71, pp.14-22.
- Liesegang, R. E. (1911): Zur Übersättigungstheorie einiger scheinbar rhythmischer Reaktionen. Zeitschr. f. physik. Chemie, Bd.75, pp.374-377.
- Lieske, R. & Hofmann, E. (1929): Untersuchungen über den Bakteriengehalt der Erde in grossen Tiefen. Centralbl. Bakteriöl., Abt.II, Bd.77, pp.305-309.
- Lincio, G. (1930): Sull'Artinite di Monte Ramazzo (Liguria). Atti Accademia Nazionale dei Lincei. Rendiconti della classe di scienze fisiche, matematiche e naturali, vol.11, pp.420-424.
- Linck, G. (1903): Die Bildung der Oolithe und Rogensteine. Neues Jahrb. Mineral., Beil.-Bd.16, pp.495-513.
- Linck, G. (1907): Orthoklas aus dem Dolomit von Campolongo. Neues Jahrb. Mineral., Jg.1907, pp.21-31.
- Linck, G. (1909 A): Ueber Dolomitbildung. Tonindustrie Zeitung, Jg.33, pp.1690-1691.
- Linck, G. (1909 B): Über die Entstehung der Dolomite. Zeitschr. Deut. geol. Gesell., Bd.61, pp.230-241.

- Linck, G. (1912): Über die Bildung der Carbonate des Calciums, Magnesiums und Eisens. pp.113-138, in: Doelter, C. (ed.): Handbuch der Mineralchemie, Bd.I. Th. Steinkopff, Dresden.
- Linck, G. (1937): Bildung des Dolomits und Dolomitisierung. Chemie der Erde, Bd.11, pp.278-286.
- Linck, G. & Köhler, E. (1933): Über Torfdolomite. Chemie der Erde, Bd.8, p.218-223.
- Lindgren, W. (1912): The nature of replacement. Econ. Geology, vol.7, pp.521-535.
- Lindner, K. (1947): Petrographic analysis of the muds of some thermal springs of Budapest. Chem. Abstracts, vol.43 (1949), no.8.994 f.
- Linnaeus, C. (1768): Systema naturae per regna tria naturae, Secundum Classes, Ordines, Genera, species cum characteribus & differentiis. Laurentii Salvii, Holmiae. Tomus III = 236 p.
- Liou, J. G. & Seki, Y. (1980): Parageneses of carbonate minerals from volcanogenic rocks interacted with seawater and meteoric water in the Seikan Undersea Tunnel, Japan. Chem. Abstr., vol.95 (1981), no.46.291 k.
- Lipman, C. B. (1924): Artificial and experimental study of Drew's bacterial hypothesis on CaCO_3 precipitation in the sea. Publications Carnegie Institution Washington, No.340, pp.181-191.
- Lipman, C. B. (1931): Living microorganisms in ancient rocks. Jour. Bacteriol., vol.22, pp.183-198.
- Lippmann, F. (1960): Versuche zur Aufklärung der Bildungsbedingungen von Kalzit und Aragonit. Fortschritte d. Mineral., Bd.38, pp.156-161.
- Lippmann, F. (1968): Syntheses of $\text{BaMg}(\text{CO}_3)_2$ (Norsethite) at 20° C and the formation of dolomite in sediments. pp.33-37, in: Müller, G. & Friedman, G. M. (eds.): Recent developments in carbonate sedimentology in Central Europe. Springer Verlag, Berlin.
- Lippmann, F. (1973): Sedimentary carbonate minerals. Springer Verlag, Berlin, 228 p.
- Lippmann, F. (1982): Stable and metastable solubility diagrams for the system calcium carbonate – magnesium carbonate – water at ordinary temperature. Bull. Mineral., vol.105, pp.273-279.
- Lippmann, F. & Johns, W. D. (1969): Regular interstratification in rhombohedral carbonates and layer silicates. Neues Jahrb. Mineral., Mh., Jg.1969, pp.212-221.

- Lith, Y. van (2000): The role of sulphate-reducing bacteria in dolomite formation. A study of a recent environment, bacterial cultures, and dolomite concretions. Ph.D. Thesis, ETH Zürich, 177 p.
- Llarena, J. G. de (1950): La magnésite (giobertite) de la haute vallée de l'Arga (Pyrénée de la Navarre espagnole) et d'Urepel (Basses-Pyrénées). *Compt. Rend. (Paris)*, vol.231, pp.1521-1522.
- Lloyd, R. M. (1964): Variations in the oxygen and carbon isotope ratios of Florida Bay mollusks and their environmental significance. *Jour. Geology*, vol.72, pp.84-111.
- Lock, B. E.; Williams, L. J. & Cheney, D. P. (1991): Dolomite cements in modern supratidal sands, western Sonora, Mexico. p.150, in: Bossellini, A. et al. (eds.): *Dolomieu conference on carbonate platforms and dolomitization. Abstracts*.
- Loczka, J. (1902): Chemische Analyse zweier Magnesite. *Zeitschr. Krist.*, Bd.35, p.282.
- Loewel, H. (1850): Observations sur la sursaturation des dissolutions salines. *Ann. d. Chimie et de Physique, Sér.3*, vol.29, pp.62-127.
- Logan, B. W. & Cebulski, D. E. (1970): Sedimentary environments of Shark Bay, Western Australia. Pp.1-37, in: Logan, B.W. et al. (eds./1970): *Carbonate sedimentation and environments, Shark Bay, Western Australia. Am. Assoc. Petrol. Geol., Memoir 13*.
- Lohmann, K. C. & Meyers, W. J. (1977): Microdolomite inclusions in cloudy prismatic calcites – a proposed criterion for former high magnesium calcites. *Jour. Sed. Petrol.*, vol.47, pp.1078-1088.
- López de Azcona, C.; Alvarez Herrero, C. & Mingarro Martin, F. (1979): Calizas biohermales: Estudio de biohermios actuales por análisis térmico diferencial y espectroquímico (II. Parte). *Estudois Geol. (Madrid)*, vol.23, pp.267-274.
- Lorens, R. B. & Bender, M. L. (1980): The impact of solution chemistry on *Mytilus edulis* calcite and aragonite. *Geochim. Cosmochim. Acta*, vol.44, pp.1265-1278.
- Lotze, F. (1957): Steinsalz und Kalisalz. I. Teil. (Allgemein-geologischer Teil) (2.Aufl.) Borntraeger, Berlin, 465 p.
- Lovley, D. R. & Klug, M. J. (1983): Sulfate reducers can outcompete methanogens at freshwater sulfate concentrations. *Appl. Environ. Microbiol.*, vol.45, pp.187-192.
- Lovley, D. R.; Dwyer, D. F. & Klug, M. J. (1982): Kinetic analysis of competition between sulfate reducers and methanogens for hydrogen in sediments. *Appl. Environ. Microbiol.*, vol.43, pp.1373-1379.

- Lowitz, T. (1794): *Expositio novarum circa salium crystallisationem observationum, nec non novae enche resis, qua salia ad meliorem crystallorum regularium formationem disponuntur.* Nova Acta Academiae Scientiarum Imperialis Petropolitanae, math. et physico-math., vol.11, pp.271-288.
- Lucas, G. (1948): La sédimentation calcaire. Action du carbonate de sodium sur l'eau de mer. *Compt. Rend. (Paris)*, vol.226, pp.937-939.
- Lucas, G. (1949): La sédimentation calcaire. Action des amines fortes carbonatées sur l'eau de mer. *Compt. Rend. (Paris)*, vol.229, pp.1026-1027.
- Lucas, J.; Chaabani, F. & Prevot, L. (1979): Phosphorites et évaporites: Deux formations de milieux sédimentaires voisins, étudiés dans la coupe du Paléogène de Fom Selja (Metalaoui, Tunisie). *Sciences Géologiques Bulletin*, vol.32, pp.7-19.
- Lucia, F. J. (1968): Recent sediments and diagenesis of south Bonaire, Netherlands Antilles. *Jour. Sed. Petrol.*, vol.38, pp.845-858.
- Lucia, F. J. & Major, R. P. (1994): Porosity evolution through hypersaline reflux dolomitization. pp.325-341, in: Purser, B. et al. (eds.): *Dolomites; a volume in honour of Dolomieu.* Blackwell Scientific, Oxford.
- Ludwig, R. & Theobald, G. (1852): Ueber die Mitwirkung der Pflanzen bei der Ablagerung des kohlensauren Kalkes. *Ann. D. Physik*, Bd.87, pp.91-107.
- Lumsden, D. N. (1985): Secular variations in dolomite abundance in deep marine sediments. *Geology*, vol.13, pp.766-769.
- Lumsden, D. N. (1988): Characteristics of deep-marine dolomite. *Jour. Sed. Petrol.*, vol.58, pp.1023-1031.
- Lumsden, D. N. & Chimahusky, J. S. (1980): Relationship between dolomite nonstoichiometry and carbonate facies parameters. pp.123-137, in: Zenger, D. H. et al.(eds.): *Concepts and models of dolomitization.* Soc. Econ. Pal. Mineral., Tulsa (Oklahoma), 320 p.
- Lumsden, D. N. & Lloyd, R. V. (1997): Three dolomites. *Jour. Sedim. Research*, vol.67, pp.391-396.
- Lundegårdh, H. (1927): Carbon dioxide evolution of soil and crop growth. *Soil Sci.*, vol.23, pp.417-453.
- Lüneburg, H. (1958): Die Oberflächenbeschaffenheit bestimmter Watttypen der Wesermündung. *Veröffentl. Institut f. Meeresforschung Bremerhaven*, Bd.5, pp.63-101.

- Lunge, G. (1896): Handbuch der Soda-Industrie und ihrer Nebenzweige. (2. Aufl.). Fr. Vieweg & Sohn, Braunschweig. Bd.III. Ammoniaksoda. Verschiedene Sodaverfahren. Chlor. Elektrolyte. Nachträge zu den ersten Bänden = 707 p.
- Lyell, C. (1832): Principles of geology, being an attempt to explain the former changes of the earth's surface by reference to causes now in operation. (2nd ed.). John Murray, London, vol.1 = 586 p.
- Lyman, J. & Fleming, R. H. (1940): Composition of sea water. Jour. Marine Research, vol.3, pp.134-146.
- Lyons, W. B.; Long, D. T.; Hines, M. E.; Gaudette, H. E. & Armstrong, P. B. (1984): Calcification of cyanobacterial mats in Solar Lake, Sinai. Geology, vol.12, pp.623-626.
- Machel, H. G. & Burton, E. A. (1994): Golden Grove dolomite, Barbados: Origin from a modified seawater. Jour. Sedim. Petrol., Ser.A, vol.64, pp.741-751.
- Machel, H. G. & Mountjoy, E. W. (1986): Chemistry and environments of dolomitization – a reappraisal. Earth Sci. Reviews, vol.23, pp.175-222.
- Machel, H. G. & Mountjoy, E. W. (1990): Coastal mixing zone dolomite, forward modeling, and massive dolomitization of platform-margin carbonates – DISCUSSION. Jour. Sed. Petrol., vol.60, pp.1008-1012.
- Mackenzie, F. T.; Bischoff, W. D.; Bishop, F. C.; Loijens, M.; Schoonmaker, J. & Wollast, R. (1983): Magnesian calcites: Low-temperature occurrence, solubility and solid-solution behavior. pp.97-144, in: Reeder, R. J. (ed.): Carbonates: Mineralogy and chemistry. Mineral. Soc. of America, Washington D.C.
- Macqueen, R. W.; Ghent, E. D. & Davies, G. R. (1974): Magnesium distribution in living and fossil specimens of the echinoid *Peronella lesueure* Agassiz, Shark Bay, Western Australia. Jour. Sed. Petrol., vol.44, pp.60-69.
- Madelung, E. (1919): Die atomische Konstitution einer Kristalloberfläche. Physik. Zeitschr., Bd.20, pp.494-496.
- Magaritz, M. & Kafri, U. (1979): Concentration of magnesium in carbonate nodules of soils: An indication of fresh groundwater contamination by intruding seawater. Chemical Geology, vol.27, pp.143-155.
- Magaritz, M.; Goldenberg, L.; Kafri, U. & Arad, A. (1980): Dolomite formation in the seawater – freshwater interface. Nature, vol.287, pp.622-624.
- Mägdefrau, K. (1933): Über die Ca- und Mg-Ablagerungen bei den Corallinaceen des Golfes von Neapel. Flora oder allgemeine botanische Zeitung (Jena), N.F., Bd.28, pp.50-57.

- Mah, R. A.; Ward, D. M.; Baresi, L. & Glass, T. L. (1977): Biogenesis of methane. *Ann. Rev. Microbiol.*, vol.31, pp.309-341.
- Mahler, O. (1906): Über das chemische Verhalten von Dolomit und Kalkspat. *Diss., Freiburg i. Br.*, 56 p.
- Maiklem, W. R. (1971): Evaporative drawdown – A mechanism for water level lowering and diagenesis in the Elk Point Basin. *Bull. Canad. Assoc. Petrol. Geol.*, vol.19, pp.487-503.
- Maleev, M. N. (1974): Huntite from the region of the Mihalkovo fluorite deposits, Central Rhodope Mountains. *Minerogenesis (Sofia)*, 1974, pp.243-251.
- Malone, M. J.; Baker, P. A. & Burns, S. J. (1996): Recrystallization of dolomite: An experimental study from 50 – 200° C. *Geochim. Cosmochim. Acta*, vol.60, pp.2189-2207.
- Mamay, S. H. & Yochelson, E. L. (1953): Floral-faunal associations in American coal balls. *Science*, vol.118, pp.240-241.
- Manchot, W. & Lorenz, L. (1924): Über die thermische Dissoziation des Mangan- und Magnesiumcarbonats. *Zeitschr. anorg. allg. Chemie*, Bd.134, pp.297-316.
- Mann, A. W. & Deutscher, R. L. (1978): Hydrogeochemistry of a calcrete-containing aquifer near Lake Way, Western Australia. *Jour. of Hydrology*, vol.38, pp.357-377.
- Mansfield, C. F. (1979): Possible biogenic origin for some sedimentary dolomite [Abstract]. *Am. Assoc. Petrol. Geol. Bull.*, vol.63, p.490.
- Mansfield, C. F. (1980): A urolith of biogenic dolomite – another clue in the dolomite mystery. *Geochim. Cosmochim. Acta*, vol.44, pp.829-839.
- Marc, R. (1911): Über die Adsorption an Kristallen. V. Mitteilung: Über die Kristallisation aus wässrigen Lösungen. *Zeitschr. physik. Chemie*, Bd.75, pp.710-732.
- Marc, R. & Šimek, A. (1913): Über die thermische Dissoziation des Magnesiumkarbonats. *Zeitschr. anorg. allg. Chemie*, Bd.82, pp.17-49.
- Marel, H. W. van der (1950): Het voorkomen van calciet en dolomiet in de kleifracatie van den Nederlandse gronden. *Landbouwkundig Tijdschrift*, Jg.62, pp.300-306.
- Marfil, R.; Bermejo, E. P. & De la Peña, J. A. (1975): Sedimentación salina actual en las lagunas de la zona Corral Rubio – La Higuera (Provincia de Albacete). *Estudios Geol. (Madrid)*, vol.31, pp.543-553.
- Marignac, C. (1855): Recherches sur les formes cristallines de quelques composés chimiques. *Mém. Soc. Phys. Genève*, vol.14, pp.201-286.

- Marlowe, J. I. (1971 A): High-magnesian calcite cement in calcarenite from Aves Swell, Caribbean Sea. pp.111-115, in: Bricker, O. P. (ed.): Carbonate cements. The Johns Hopkins Press, Baltimore, 376 p.
- Marlowe, J. I. (1971 B): Dolomite, phosphorite and carbonate diagenesis on a Caribbean seamount. *Jour. Sedim. Petrol.*, vol.41, pp.809-827.
- Marqusee, J. A. & Ross, J. (1983): Kinetics of phase transitions: Theory of Ostwald Ripening. *Jour. Chem. Physics*, vol.79, pp.373-378.
- Marr, U. (1957): Zur Verteilung der Eisengehalte in Salzgesteine des Stassfurt-Zyklus. *Geologie*, Bd.6, pp.41-70.
- Marschner, H. (1969): Hydrocalcite ($\text{CaCO}_3 \cdot \text{H}_2\text{O}$) and nesquehonite ($\text{MgCO}_3 \cdot 3 \text{H}_2\text{O}$) in carbonate scales. *Science*, vol.165, pp.1119-1121.
- Marshall, P. (1930): Geology of Rarotonga and Atui. *Bull. Bernice P. Bishop Museum* (Honolulu), no.72, 75 p.
- Martens, C. S. (1976): Control of methane sediment – water bubble transport by macrofaunal irrigation in Cape Lookout Bight, North Carolina. *Science*, vol.192, pp.998-1000.
- Martens, C. S. & Berner, R. A. (1974): Methane production in the interstitial waters of sulfate-depleted marine sediments. *Science*, vol.185, pp.1167-1169.
- Martini, J. & Kavalieris, I. (1978): Mineralogy of the Transvaal caves. *Trans. & Proc. Geol. Soc. South Africa*, vol.81, pp.47-54.
- Maschhaupt, J. G. (1948): Bodemkundige onderzoekingen in het Dollardgebied. *Verslagen Landbouwkundige Onderzoekingen*, no.54-4, pp.7-222.
- Matsumoto, R. (1978): Occurrence and origin of authigenic calcium magnesium iron carbonate rocks in the Paleogene coalfield regions in Japan. *Chem. Abstr.*, vol.91 (1979), no.160,463 k.
- Matsumoto, R. (1983): Mineralogy and geochemistry of carbonate diagenesis of the Pliocene and Pleistocene hemipelagic mud on the Blake Outer Ridge, Site 533, Leg 76. pp.411-428, in: Sheridan, R. et al.(eds.): Initial Reports of the Deep Sea Drilling Project, vol.76. U.S. Government Printing Office, Washington D.C., 946 p.
- Matsumoto, R. & Iijima, A. (1981): Origin and diagenetic evolution of calcium – magnesium – iron carbonates in some coalfields of Japan. *Sedimentology*, vol.28, pp.239-259.
- Matsumoto, R.; Utada, M. & Kagami, H. (1978): Sedimentary petrology of DSDP cores from Sites 362 and 363, the Walvis Ridge and Site 364, the Angola Basin, drilled on Leg 40.

- pp.469-485, in: Bolli, H. M. et al. (eds.): Initial Reports of the Deep Sea Drilling Project, vol.40. U.S. Government Printing Office, Washington D.C., 1079 p.
- Mattavelli, L.; Chilingarian, G. V. & Storer, D. (1969): Petrography and diagenesis of the Toaramina Formation, Gela oil field, Sicily (Italy). *Sedim. Geology*, vol.3, pp.59-86.
- Mawson, Sir D. (1929): Some South Australian algal limestones in process of formation. *Quart. Jour. Geol. Soc. London*, vol.85, pp.613-623.
- Mayer, F. K. & Weineck, E. (1932): Die Verbreitung des Kalziumkarbonats im Tierreich unter besonderer Berücksichtigung der Wirbellosen. *Jena'sche Zeitschr. f. Naturw.*, Bd.66, pp.199-222.
- Mazé, P. (1903): Sur la fermentation forménique et le ferment qui la produit. *Compt. Rend. (Paris)*, vol.137, pp.887-889.
- Mazzullo, S. J. & Reid, A. M. (1985): Complex mixing dolomitization of supratidal deposits, Ambergris Cay, Belize, Central America. *Am. Assoc. Petrol. Geol. Bull.*, vol.69, p.285.
- Mazzullo, S. J. & Reid, A. M. (1988): Sedimentary textures of Recent Belizean peritidal dolomite. *Jour. Sedim. Petrol.*, vol.58, pp.479-488.
- Mazzullo, S. J.; Reid, A. M. & Gregg, J. M. (1987): Dolomitization of Holocene Mg-calcite supratidal deposits, Ambergris Cay, Belize. *Geol. Soc. Am. Bull.*, vol.98, pp.224-231.
- McConnel, J. D. C. (1960): Vaterite from Ballycraigy, Larne, Northern Ireland. *Mineral. Magaz.*, vol.32, pp.534-544.
- McCunn, H. J. (1972): Calcite and aragonite phenomena precipitated by organic decay in high lime concentrate brines. *Jour. Sedim. Petrol.*, vol.42, pp.150-154.
- McCunn, H. J. (1976): Origin of dolomite – Model based on cyclic interaction of continental soda-rich waters with concentrated sea water. *Bull. Am. Assoc. Petrol. Geol.*, vol.60, p.696.
- McKee, E. D. (1958): Geology of Kapingamarangi Atoll, Caroline Islands. *Bull. Geol. Soc. Am.*, vol.69, pp.241-278.
- McKenzie, J. A. (1981): Holocene sedimentation of calcium carbonate sediments from the coastal sabkhas of Abu Dhabi, U.A.E.: A stable isotope study. *Jour. Geol.*, vol.89, pp.185-198.
- McKenzie, J. A.; Hsü, K. J. & Schneider, J. F. (1980): Movement of subsurface waters under the sabkha, Abu Dhabi, UAE, and its relation to evaporative dolomite genesis. pp.11-30, in: Zenger, D. H. et al. (eds.): Concepts and models of dolomitization. *Soc. Econ. Pal. Mineral.*, Special Publication no.28, Tulsa (Oklahoma), 320 p.

- McNeill, D. F. (1990): Biogenic magnetite from surface Holocene carbonate sediments, Great Bermuda Bank. *Jour. Geophys. Research*, vol.95, no.B4, pp.4363-4371.
- McNeill, D. F. & Aissaoui, M. (1991): Magnetostratigraphy in shallow-water limestone and dolomite: The legacy of magnetization through early recrystallization. p.166, in: Bosellini, A. et al. (eds.): *Dolomieu conference on carbonate platforms and dolomitization*. Abstracts.
- Medhioub, K. & Perthuisot, J. R. (1981): The influence of peripheral sabkhas on the geochemistry and sedimentology of a Tunisian lagoon: Bahiret el Biban. *Sedimentology*, vol.28, pp.679-688.
- Medlin, W.L. (1959): The preparation of synthetic dolomite. *Am. Mineral.*, vol.44, pp.979-986.
- Megaw, H. D. (1960): Order and disorder. I. Theory of stacking faults and diffraction maxima. *Proc. Roy. Soc. London, Ser.A*, vol.259, pp.59-78.
- Meigen, W. (1901): Eine einfache Reaktion zur Untersuchung von Aragonit und Kalkspath. *Zentralbl. Mineral.*, Jg.1901, pp.577-578.
- Meigen, W. (1910): Neuere Arbeiten über die Entstehung des Dolomits. *Geol. Rundschau*, Bd.1, pp.121-126.
- Meigen, W. (1911): Über kohlen sauren Kalk. *Verhandl. Ges. Deut. Naturforscher u. Ärzte*, Bd.82, pp.120-124.
- Meißner, F. (1920): Über den Einfluß der Zerteilung auf die Schmelztemperatur. *Zeitschr. anorg. allg. Chemie*, Bd.110, pp.169-186.
- Meixner, H. (1950): Neue Mineralvorkommen aus den Ostalpen. *Beiträge Mineral. Petrogr.*, Bd.2, pp.195-209.
- Menzel, H. (1904): Beiträge zur Kenntnis der Dolomitvorkommen in Kohlenflözen. *Glückauf*, Bd.40, pp.1164-1171.
- Menzel, H. & Brückner, A. (1930): Studien an kohlen sauren Magnesiumsalzen. I. Basische Magnesiumcarbonate. *Zeitschr. f. Elektrochemie*, Bd.36, pp.63-87.
- Menzel, H.; Brückner, A. & Schulz, A. (1930): Studien an kohlen sauren Magnesiumsalzen. II. Normales Magnesiumcarbonat. *Zeitschr. Elektrochemie*, Bd.36, pp.188-196.
- Meyer, W. C. & Yen, F. F. (1974): Effects of bioleaching on Green River oil shale. *Chem. Abstr.*, vol.84 (1976), no.7,370 p.
- Michard, A. (1960): Sur la variétés des processus de genèse dolomitique. *Compt. Rend. (Paris)*, vol.251, pp.3025-3027.

- Middelburg, J. J.; Lange, G. J. de & Kreulen, R. (1990): Dolomite formation in anoxic sediments of Kau Bay, Indonesia. *Geology*, vol.18, pp.399-402.
- Migula, W. (1900): *System der Bakterien: Handbuch der Morphologie, Entwicklungsgeschichte und Systematik*. G. Fischer, Jena, Bd.2 = 1068 p.
- Miller Jr., D. N. (1961): Early diagenetic dolomite associated with salt extraction process, Inagua, Bahamas. *Jour. Sedim. Petrol.*, vol.31, pp.473-476.
- Miller, J. A. (1975): Facies characteristics of Laguna Madre wind-tidal flats. pp.67-73, in: Ginsburg, R. N. (ed.): *Tidal deposits*. Springer Verlag, Berlin, 428 p.
- Milliman, J. D. (1966): Submarine lithification of carbonate sediments. *Science*, vol.153, pp.994-997.
- Milliman, J. D. (1971): Carbonate lithification in the deep sea. pp.95-102, in: Bricker, O. P. (ed.): *Carbonate cements*. The Johns Hopkins Press, Baltimore, 376 p.
- Milliman, J. D.; Gastner, M. & Müller, J. (1971): Utilization of magnesium in coralline algae. *Geol. Soc. Am. Bull.*, vol.82, pp.573-580.
- Milton, C. & Fahey, J. J. (1960): Classification and association of the carbonate minerals of the Green River Formation. *Am. Jour. Sci.*, vol.258 A, pp.242-246.
- Ming, D. W. & Franklin, W. T. (1985): Synthesis and characterization of lansfordite and nesquehonite. *Soil Sci. Soc. Am. Jour.*, vol.49, pp.1303-1308.
- Mirsal, I. A. & Zankl, H. (1985): Some phenomenological aspects of carbonate geochemistry. The control effect of transition metals. *Geol. Rundschau*, Bd.74, pp.367-377.
- Mirsal, I. A. & Zankl, H. (1988): Some phenomenological aspects of carbonate geochemistry. The control effect of transition metals – Reply. *Geol. Rundschau*, Bd.77, pp.613-615.
- Mitchell, A. E. (1923 A): Studies on the dolomite system. I. The nature of dolomite. *Jour. Chem. Soc. (London)*, vol.123, pp.1055-1069.
- Mitchell, A. E. (1923 B): Studies on the dolomite system – Part II. *Jour. Chem. Soc. (London)*, vol.123, pp.1887-1904.
- Mitchell, J. T.; Land, L. S. & Miser, D. E. (1987): Modern marine dolomite cement in a north Jamaica fringing reef. *Geology*, vol.15, pp.557-560.
- Mitscherlich, E. (1819): Ueber die Kristallisation der Salze in denen das Metall der Basis mit zwei Proportionen Sauerstoff verbunden ist. *Abhandl. Akad. Wiss. Berlin*, Jg.1818-1819, pp.427-437.

- Mitscherlich, E. (1820): Sur la relation qui existe entre la forme cristalline et les proportions chimiques. *Ann. de Chimie et de Physique*, vol.14, pp.172-190.
- Mitscherlich, E. (1821): Sur la relation qui existe entre la forme cristalline et les proportions chimiques. II^{me} Mémoire sur les arsenites et les phosphates. *Ann. de Chimie et de Physique*, vol.19, pp.350-419.
- Mitscherlich, E. (1835): *Lehrbuch der Chemie*. (2.Aufl.) Bei Ernst Siegfried Mittler, Berlin. Bd.I = 675 p.; Bd.II = 216 + 500 p.
- Moberly, R. (1968): Composition of magnesian calcites of algae and pelecypods by electron microprobe analysis. *Sedimentology*, vol.11, pp.61-82.
- Moberly, R. (1970): Microprobe study of diagenesis in calcareous algae. *Sedimentology*, vol.14, pp.113-123.
- Mogharabi, A. (1971): Dolomite. Source and its importance in the formation of petroleum beds. *Chem. Abstr.*, vol.75 (1971), no.153,690 y.
- Moitessier, A. (1863): Formation de la Dolomie dans les eaux minérales. *Mémoires de l'Académie des sciences et lettres de Montpellier, Section des Sciences*, vol.5 (1861-1863), p.446.
- Mojsisovics von Mojsvár, E., von (1879): *Die Dolomit-Riffe von Südtirol und Venetien* (Beiträge zur Bildungsgeschichte der Alpen). Alfred Hölder, Wien, 552 p.
- Molisch, H., 1925, Über Kalkbakterien und andere kalkfällende Pilze: *Zentralbl. Bakt., Parasitenkunde u. Infektionskrank., Abt.2*, v.65, p.130-139.
- Möller, P. (1989): Summary. pp.293-300, in: Möller, P.(ed.): *Magnesite. Geology, mineralogy, geochemistry, formation of Mg-carbonates*. Gebr. Borntraeger, Berlin, 300 p.
- Möller, P. & Rajagopalan, G. (1972): Cationic distribution and structural changes of mixed Mg-Ca layers on calcite crystals. *Zeitschr. physik. Chemie*, Bd.81, pp.47-56.
- Molnár, B. & Molnár-Murvai, I.(1975): Geohistorical evolution and dolomite sedimentation of the natron lakes of Fülöpháza, Kinskunság National Park, Hungary. *Acta Mineralogica-Petrographica* (Szeged), vol.22, pp.73-86.
- Molnár, B.; Szónoky, M. & Kovács, S. (1980): Diagenetic and lithification processes of Recent hypersaline dolomites on the Danube-Tisza interfluvium. *Acta Mineralogica-Petrographica* (Szeged), vol.24, pp.315-337.
- Monhaupt, M. (1904): Einwirkung von Kohlensäure auf Magnesiumhydroxyd. *Chemiker Zeitung*, Bd.28, p.868.

- Monheim, V. (1848): Zusammensetzung des Dolomits vom Altenberge bei Aachen. Neues Jahrbuch Mineral., Jg.1848, p.826.
- Moore Jr., C. H. (1971): Beachrock cements, Grand Cayman Island, B.W.I. pp.9-12, in: Bricker, O. P. (ed.): Carbonate cements. The Johns Hopkins Press, Baltimore, 376 p.
- Moore Jr., C. H. & Billings, G. K. (1971): Preliminary model of beachrock cementation, Grand Cayman Island, B.W.I. pp.40-43, in: Bricker, O. P. (ed.): Carbonate cements. The Johns Hopkins Press, Baltimore, 376 p.
- Moore, G. W. (1961 A): Dolomite speleothems. Nat. Speleol. Soc. News, vol.19, p.82.
- Moore, G. W. (1961 B): Sinterbildung aus Dolomit. Die Höhle, Bd.12, pp.150-151.
- Moreira, I.; Patchineelam, S. R. & Luca Rebello, A. de (1987): Preliminary investigations on the occurrence of diagenetic dolomite in surface sediments of Lagoa Vermelha, Brazil. Geo Journal, vol.14, pp.357-360.
- Morlot, A. von (1847 A): Ueber Dolomit und seine künstliche Darstellung aus Kalkstein. Haidinger's naturw. Abhandl. (Wien), Bd.1, pp.305-315.
- Morlot, A. von (1847 B): Über Dolomit und seine künstliche Darstellung. Neues Jahrb. Mineral., Jg.1847, pp.862-864.
- Morlot, A. von (1847 C): Künstliche Darstellung des Dolomites (Nachtrag). Berichte über die Mittheilungen von Freunden der Naturwissenschaften in Wien (Haidinger), Bd.2, pp.393-394 + pp.461-462.
- Morlot, A. von (1848 A): Ueber Versuche zur Begründung der Theorie der Bildung des Dolomits. Berichte über die Mittheilungen von Freunden der Naturwissenschaften in Wien (Haidinger), Bd.4, pp.178-184.
- Morlot, A. von (1848 B): "Mode de formation des dolomies". Bull. Soc. Géol. France, vol.5, pp.243-247,
- Morlot, A. von (1848 C): "Ueber Versuche zur Begründung der Theorie der Bildung des Dolomits". Sitzber. kaiserl. Akad. Wiss. (Wien), phil.-hist. Classe, 1848, pp.114-118.
- Morlot, A. von (1848 D): Sur l'origine de la dolomie. Compt. Rend. (Paris), vol.26, pp.311-315.
- Morlot, A. von (1849): "Ueber den Dolomit". Berichte über die Mittheilungen von Freunden der Naturwissenschaften in Wien (Haidinger), Bd.5, pp.208-218.
- Morrow, D. W. (1982): Diagenesis. 1. Dolomite – Part 1: The chemistry of dolomitization and dolomite precipitation. Geosciences in Canada, vol.9, pp.5-13.

- Morrow, D. W. & Ricketts, B. D. (1986): Chemical controls on the precipitation of mineral analogues of dolomite: The sulfate enigma. *Geology*, vol.14, pp.408-410.
- Morse, J. W. & Bender, M. L. (1990): Partition coefficients in calcite: Examination of factors influencing the validity of experimental results and their application to natural systems. *Chem. Geology*, vol.82, pp.265-277.
- Mrose, M. E.; Chao, E. C. T.; Fahey, J. J. & Milton, C. (1961): Norsethite $\text{BaMg}(\text{CO}_3)_2$, a new mineral from the Green River Formation, Wyoming. *Am. Mineral.*, vol.46, pp.420-429.
- Mucci, A. & Morse, J. W. (1983): The incorporation of Mg^{2+} and Sr^{2+} into calcite overgrowths: Influences of growth rate and solution composition. *Geochim. Cosmochim. Acta*, vol.47, pp.217-233.
- Mucci, A. & Morse, J. W. (1985): Auger spectroscopy determination of the surface-most adsorbed layer composition on aragonite, calcite, dolomite, and magnesite in synthetic seawater. *Am. Jour. Sci.*, vol.285, pp.306-317.
- Mucci, A.; Morse, J. W. & Kaminsky, M. S. (1985): Auger spectroscopy analysis of magnesian calcite overgrowths precipitated from seawater and solutions of similar composition. *Am. Jour. Sci.*, vol.285, pp.289-305.
- Mühlenthal, F. (1922): Neue Mineralfunde aus dem Dolomit des Campolungo. *Schweizerische mineral. petrogr. Mitt.*, Bd.2, pp.299-306.
- Mukherjee, B. & Lahiri, A. (1953): X-Ray diffraction studies of minerals in Nowrozabad coal. *Jour. Sci. Ind. Research (India)*, vol.12 B, pp.341-346.
- Müller, G. (1969): Sedimentbildung im Plattensee / Ungarn. *Die Naturwissenschaften*, Jg.56, pp.606-615.
- Müller, G. (1970): High-magnesian calcite and protodolomite in Lake Balaton (Hungary) sediments. *Nature*, vol.226, pp.749-750.
- Müller, G. & Fischbeck, R. (1973): Possible natural mechanism for protodolomite formation. *Nature Physical Science*, vol.242, pp.139-141.
- Müller, G. & Gastner, M. (1971): The “Karbonat-Bombe”, a simple device for the determination of the carbonate content in sediments, soils and other materials. *Neues Jahrb. Mineral., Mh.*, Jg.1971, pp.466-469.
- Müller, G. & Tietz, G. (1966): Recent dolomitization of Quaternary biocalcarenes from Fuerteventura (Canary Islands). *Contr. Mineral. Petrol.*, vol.13, pp.89-96.

- Müller, G. & Wagner, F. (1978): Holocene carbonate evolution in Lake Balaton (Hungary): A response to climate and impact of man. pp.57-81, in: Matter, A. & Tucker, M. E. (eds.): Modern and ancient lake sediments. Blackwell, Oxford, 290 p.
- Müller, G.; Irion, G. & Förstner, U. (1972): Formation and diagenesis of inorganic Ca-Mg carbonates in the lacustrine environment. *Die Naturwissenschaften*, Jg.59, pp.158-164.
- Müller, K. R. (1886): Beiträge zur Kenntnis des Kalksteins und Dolomits. Diss., Leipzig, 30 p.
- Müllers, P. (1930): Über die Dolomitisierung des Mitteldevons der Gerolsteiner Mulde in der Eifel. *Chemie der Erde*, Bd.4, pp.431-454.
- Münster, G. Graf zu (1834): Ueber das Kalkmergel-Lager von St. Cassian in Tyrol und die darin vorkommenden Ceratiten. *Neues Jahrb. Mineral.*, Jg.1834, pp.1-15.
- Murayama, T. & Kobayashi, K. (1965): Study of mineral composition of some coal samples by X-ray analysis. *Chem. Abstr.*, vol.66 (1967), no.78,152 h.
- Murray, A. N. (1930): Limestone oil reservoirs of the northeastern United States and of Ontario, Canada. *Economic Geology*, vol.25, pp.452-469.
- Murray, C. D. & Hastings, A. B. (1925): The maintenance of carbonic acid equilibrium in the body with special reference to the influence of respiration and kidney function on CO_2 , H^+ , HCO_3^- , and CO_3^{2-} concentrations in plasma. *Jour. Biol. Chem.*, vol.65, pp.265-278.
- Murray, J. (1880): On the structure and origin of coral reefs and islands. *Proc. Roy. Soc. Edinburgh*, vol.10, pp.505-518.
- Murray, J. (1900): On the deposits of the Black Sea. *The Scottish Geogr. Magaz.*, vol.16, pp.673-702.
- Murray, J. & Irvine, R. (1889): On coral reefs and other carbonate of lime formations in modern seas. *Proc. Roy. Soc. Edinburgh*, vol.17, pp.79-109.
- Murray, J. & Irvine, R. (1890): Coral reefs and other carbonate of lime formations in modern seas. *Nature*, vol.42, pp.162-166.
- Murray, J. & Irvine, R. (1895): On the chemical changes, which take place in the composition of the sea-water associated with blue muds on the floor of the ocean. *Trans. Roy. Soc. Edinburgh*, vol.37, pp.481-508.
- Murray, J. & Renard, F. (1891): Report on the scientific results of the voyage of H. M. S. Challenger during the years 1873 – 1876. Deep-Sea Deposits. H. M. Stationary Office, London, 525 p.

- Murray, R. C. (1964): Preservation of primary structures and fabrics in dolomite. pp.388-403, in: Imbrie, J. & Newell, D. N. (eds.): Approaches to paleoecology. Wiley & Sons, New York.
- Murray, R. C. (1969): Hydrology of South Bonaire, Netherlands Antilles – A rock selective dolomitization model. Jour. Sedim. Petrol., vol.39, pp.1007-1013.
- Murray, R. C. & Lucia, F. J. (1967): Cause and control of dolomite distribution by rock selectivity. Geol. Soc. Am. Bull., vol.78, pp.21-36.
- Mutlu, H.; Kadir, S. & Akbulut, A. (1999): Mineralogy and water chemistry of the Lake Acigöl, Denizli, Turkey. Carbonates and Evaporites, vol.14, pp.191-199.
- Nadson, G. A. (1928): Beitrag zur Kenntnis der bakteriogenen Kalkablagerungen. Archiv Hydrobiologie, Bd.19, pp.154-164.
- Nahnsen, M. (1913): Über Gesteine des norddeutschen Korallenooliths, insbesondere die Bildungsweise des Ooliths und Dolomits. Neues Jahrb. Mineral., Beil.-Bd.35, pp.277-351.
- Nashar, B. (1965): Barringtonite – A new hydrous magnesium carbonate from Barrington Tops, New South Wales, Australia. Mineral. Magaz., vol.34, pp.370-372.
- Nasse, R. (1887): Die Lagerungsverhältnisse pflanzenführender Dolomitconcretionen im westfälischen Steinkohlengebirge. Verhandl. D. naturhistorischen Vereines d. Preuss. Rheinlande und Westphalen, Jg.44, pp.59-65.
- Natta, G. & Passerini, L. (1929): Soluzioni solide, isomorfismo e simmorfismo tra gli ossidi dei metalli bivalenti – I. Sistemi: CaO – CdO , CaO – MnO , CaO – CoO , CaO – NiO , CaO – MgO . Gazzetta Chimica, vol.59, pp.129-143.
- Nauck, E. (1848): Der Speckstein von Göpfersgrün. Ann. d. Physik u. Chemie, Bd.75, pp.129-152.
- Naumann, A. (1867): Ueber Dissociation. Ann. d. Chemie u. d. Pharmacie, Suppl. Bd.5, pp.341-367.
- Neev, D. & Emery, K. O. (1967): The Dead Sea: Depositional processes and environments of evaporites. Bull. Geol. Survey Israel, vol.41, 147 p.
- Neher, J. & Rohrer, E. (1958): Dolomitbildung unter Mitwirkung von Bakterien. Eclogae Geol. Helvetica, vol.51, pp.213-215.
- Neher, J. & Rohrer, E. (1959): Bakterien in tieferliegenden Gesteinslagen. Eclogae Geol. Helvetica, vol.52, pp.619-625.

- Němec, D. (1981): Huntit ze serpentinitové oblasti u Hrubšic na západní Moravě (Huntite from the serpentinite area at Hrubšice, western Moravia / English summary). *Časopis pro mineralogii a geologii*, vol.26, pp.75-78.
- Nenadkevich, K. A. (1917): The hydrogen sulfide content of limestones and dolomites. *Chem. Abstr.*, vol.12 (1918), no.795 (2).
- Nernst, W. (1892): Über die Löslichkeit von Mischkrystallen. *Zeitschr. physik. Chemie*, vol.9, pp.137-142.
- Nernst, W. (1921): Theoretische Chemie vom Standpunkte der Avogadroschen Regel und der Thermodynamik. (8-10. Aufl.) Ferdinand Enke, Stuttgart, 896 p.
- Nesbitt, H. W. (1990): Groundwater evolution, authigenic carbonates and sulphates, of the Basque Lake No.2 Basin, Canada. pp.355-371, in: Spencer, R. J. & Chou, I. M. (eds.): Fluid – mineral interactions. *Geochem. Soc., Spec. Publ. No.2*, 432 p.
- Neuberg, C. & Rewald, B. (1908): Ueber Kolloide und gelatinöse Verbindungen der Erdalkalien. *Zeitschr. Chemie u. Industrie d. Kolloide (= Kolloid-Zeitschr.)*, Bd.2, pp.354-357.
- Newell, R. C. (1970): Biology of intertidal animals. Logos Press, London, 555 p.
- Niel, C. B. van (1931): On the morphology and physiology of the purple and green sulphur bacteria. *Archiv f. Mikrobiologie*, Bd.3, pp.1-112.
- Nielsen, P.; Swennen, R.; Dickson, J. A. D.; Fallick, A. E. & Keppens, E. (1997): Spheroidal dolomites in a Visean karst system – bacterial induced origin. *Sedimentology*, vol.44, pp.177-195.
- Nissen, H. (1963): Röntgengefügeanalyse am Kalzit von Echinodermenskeletten. *Neues Jahrb. Geol. Paläont., Abh.*, Bd.117, pp.230-234.
- Nissenbaum, A.; Presley, B. J. & Kaplan, I. R. (1972): Early diagenesis in a reducing fjord, Saanich Inlet, British Columbia. I. Chemical and isotopic changes in major components of interstitial water. *Geochim. Cosmochim. Acta*, vol.36, pp.1007-1027.
- Nix, F. C. & Shockley, W. (1938): Order-disorder transformations in alloys. *Reviews of Modern Physics (Lancaster)*, vol.10, pp.1-71.
- Nordeng, S. H. & Sibley, D. F. (1994): Dolomite stoichiometry and Ostwald's Step Rule. *Geochim. Cosmochim. Acta*, vol.58, pp.191-196.
- Nörsgaard, E. A. (1851): Bidrag til Oplysning om de kulsure Magnesiaforbindelser. *Det Kungliga Danske Videnskabernes Skelskabs Skrifter, naturv. og math. Afd., Række 5*, Bd.2, pp.68-89.

- Nuryagdyev, M. & Sedelnikov, G. S. (1966): The formation of gypsum – glauberite sediments in the Karan-Bogaz-Gol. *Chem. Abstr.*, vol.66 (1967), pp.48,328 c.
- Ogilvie, M. M. (1894): Coral in the “Dolomites” of South Tyrol. *Geol. Magazine, New Series*, vol.1, pp.1-10 + pp.49-60.
- Oh, K. D.; Morikawa, H.; Iwai, S. & Aoki, H. (1973): Hydrothermal growth of magnesite single crystals. *Am. Mineral.*, vol.58, pp.339-340.
- Ohde, S. & Kitano, Y. (1978): Synthesis of protodolomite from aqueous solutions at normal temperature and pressure. *Geochem. Jour.*, vol.12, pp.115-119.
- Ohde, S. & Kitano, Y. (1982): Distribution of protodolomite in Minami-daito-jima, Okinawa. *Bull. College of Science, Univ. of Ryukyus*, vol.33, pp.81-87.
- Okado, H. (1980): Pebbles and carbonate nodules from Deep-Sea Drilling Project Leg 56 cores. pp.1089-1105, in: Lee, M. & Stout, L. N. (eds.): *Initial Reports of the Deep-Sea Drilling Project*, vol.56/57, pt.2. U.S. Government Printing Office, Washington D.C., 1417 p.
- Oliveira Vasconcelos, C. de & McKenzie, J. A. (1991): Holocene dolomitization of organic carbon-rich carbonate sediments in a shallow-water lagoon (Lagoa Vermelha, Brazil). p.60, in: Bosellini, A. et al.(eds.): *Dolomieu conference on carbonate platforms and dolomitization. Abstracts*.
- Olshausen, S. von (1925): *Strukturuntersuchungen nach der Debye-Scherrer-Methode. Zeitscht. Krist.*, Bd.61, pp.463-514.
- Omeliński, W. L. (1903): Ueber die Zersetzung der Ameisensäure durch Mikroben. *Centralbl. F. Bakteriöl., II.Abt.*, Bd.11, pp.177-189 + pp.256-259 + pp.317-327.
- Onorato, E. (1930): Sulla natura della dolomite. *Periodica di mineralogia*, vol.1, pp.216-220.
- Oomori, T. & Kitano, Y. (1987): Synthesis of protodolomite from seawater containing dioxane. *Geochem. Jour.*, vol.21, pp.59-65.
- Oomori, T.; Kaneshima, H. & Maezato, Y. (1987): Distribution coefficient of Mg^{2+} ions between calcite and solution at 10 – 50° C. *Marine Chemistry*, vol.20, pp.327-336.
- Oomori, T.; Kaneshima, K.; Taira, T. & Kitano, Y. (1983): Synthetic studies of protodolomite from brine waters. *Geochem. Jour.*, vol.17, pp.147-152.
- Oppenheimer, C. H. (1965): Bacterial production of hydrocarbon-like materials. *Zeitschr. allg. Mikrobiologie*, Bd.5, pp.284-307.

- Oppenheimer, C. H. & Kornicker, L. S. (1958): Effect of the microbial production of hydrogen sulfide and carbon dioxide on the pH of Recent sediments. *Publ. Inst. Mar. Sci., Univ. of Texas*, vol.5, pp.5-15.
- Oppenheimer, C. H. & Master, I. M. (1963): Transition of silicate and carbonate crystal structure by photosynthesis and metabolism. *Geol. Soc. Am., Abstracts for 1963*, p.125.
- Oppenheimer, C. H. & Master, I. M. (1965): On the solution of quartz and precipitation of dolomite in seawater during respiration. *Zeitschr. Allg. Mikrobiologie*, Bd.5, pp.48-51.
- Ordóñez, S.; García der Cura, A. & Marfil, R. (1973): Sedimentación actual: La laguna de Pétrola (Albacete). *Estudois Geologicos (Madrid)*, vol.29, pp.367-377.
- Oremland, R. S. & Taylor, B. F. (1978): Sulfate reduction and methanogenesis in marine sediments. *Geochim. Cosmochim. Acta*, vol.42, pp.209-214.
- Oremland, R. S.; Marsh, L. M. & Polcin, S. (1982): Methane production and simultaneous sulphate reduction in anoxic, saltmarsh sediments. *Nature*, vol.296, pp.143-145.
- Osborne, C. A.; Low, D. G. & Finco, D. R. (1972): Canine and feline urology. *Saunders & Co., Philadelphia*, 417 p.
- Osborne, C. A.; Oldroyd, N. O. & Clinton, C. W. (1986): Etiopathogenesis of unknown canine uroliths: Xanthine, carbonate, drugs and drug metabolites. *Veterinary Clinics of North America – small animals*, vol.16, pp.217-225.
- Ostwald, W. (1893): *Lehrbuch der allgemeinen Chemie. (2.Aufl.) Bd.II, 1.Theil: Chemische Energie.* W. Engelmann, Leipzig, 1104 p.
- Ostwald, W. (1896): *Elektrochemie. Ihre Geschichte und Lehre.* Veit & Comp., Leipzig, 1151 p.
- Ostwald, W. (1897): *Studien über die Bildung und Umwandlung fester Körper. 1. Abhandlung: Übersättigung und Überkaltung.* *Zeitschr. physik. Chemie*, Bd.22, pp.289-330.
- Ostwald, W. (1902 A): *Lehrbuch der allgemeinen Chemie. (2.Aufl.) Bd.II. Verwandtschaftslehre.* W. Engelmann, Leipzig, 1188 p.
- Ostwald, W. (1902 B): *Über Katalyse (= Ostwald's Klassiker der exakten Wissenschaften Nr.200).* Akademischer Verlagsgesellschaft, Leipzig, 55 p.
- Ostwald, W. (1919): *Grundlinien der anorganischen Chemie. (4.Aufl.)* Th. Steinkopff, Dresden, 860 p.
- Othmer, P. (1915): *Studien über das spontane Kristallisationsvermögen.* *Zeitschr. anorg. allg. Chemie*, Bd.91, pp.209-247.

- Owen, R. B. & Renaut, R. W. (1986): Sedimentology, stratigraphy, and paleoenvironments of the Holocene Galana Boi Formation, NE Lake Turkana, Kenya. pp.311-322, in: Frostick, L. E. et al. (eds.): Sedimentation in the African Rifts. Geol. Soc., Spec. Publ. No.25. Blackwell, Oxford, 382 p.
- Paděra, K. and Povondra, P., 1964, Das Vorkommen des Huntits und Magnesits aus den Grotten Zbrašov bei Teplice Nad Bečvou (Teplitz a.d. Bečva – Mähren): Acta Universitatis Carolinae – Geologica (Prague), v.3, p.15-24.
- Paquette, J. & Reeder, R. J. (1990): New type of compositional zoning in calcite: Insights into crystal-growth mechanisms. Geology, vol.18, pp.1244-1247.
- Parrish, W. & Gordon, S. G. (1945): Precise angular control of quartz-cutting by X-rays. Am. Mineral., vol.30, pp.326-346.
- Patterson, R. J. (1972): Relation between the hydrology, fluid chemistry, and diagenetic mineral formation in the coastal areas of the Persian Gulf. Chem. Abstracts, vol.82 (1972), no.152.756 t.
- Patterson, R. J. & Kinsman, D. J. J. (1982): Formation and diagenetic dolomite in coastal sabkha along the Arabian (Persian) Gulf. Am. Assoc. Petrol. Geol. Bull., vol.66, pp.28-43.
- Pattinson, H. L. (1841/1842): Manufacture of white lead, and magnesia and its salts. British Patent 9.102, 6 p.
- Paul, J. & Meischner, D. (1991): Very early diagenetic dolomite as a preservative of perfect organic fossils: The meromictic Pliocene pond of Willershausen in Germany. pp.205-206, in: Bossellini, A et al. (eds.): Dolomieu conference on carbonate platforms and dolomitization. Abstracts.
- Pauling, L. (1960): The nature of the chemical bond and the structure of molecules and crystals: An introduction to modern structural chemistry. (3rd ed.). Cornell University Press, Ithaca (New York), 644 p.
- Peña, J. A. de la; García-Ruiz, J. M.; Marfil, R. & Prieto, M. (1982): Growth features of magnesium and sodium salts in a Recent playa lake of La Mancha (Spain). Estud. Geol. (Madrid), vol.38, pp.245-257.
- Perconing, E. (1968): Microfacies of the Triassic and Jurassic sediments of Spain. Brill, Leiden, 63 p.
- Perkins, R. D.; Dwyer, G. D.; Rosoff, D. B.; Baker, P. A. & Lloyd, R. M. (1991): Salina sedimentation and diagenesis: West Calcos Island, British West Indies. p.207, in: Bosellini, A. et al. (eds.): Dolomieu conference on carbonate platforms and dolomitization. Abstracts.

- Perkins, R. D.; Dwyer, G. S.; Rosoff, D. B.; Fuller, J.; Baker, P. A. & Lloyd, R. M. (1994): Salina sedimentation and diagenesis: West Caicos Island, British West Indies. pp.37-54, in: Purser, B. et al. (eds.): Dolomites. Blackwell, Oxford, 451 p.
- Perthuisot, J. P. (1971): Présence de magnésite et de huntite dans la sebkha el Melah de Zarzis. Compt. Rend. Acad. Sci. Paris, sér.D, vol.272, pp.185-188.
- Perthuisot, J. P. (1974): Les dépôts salins de la sebkha El Melah de Zarzis: Conditions et modalités de la sédimentation évaporitique. Rev. Geogr. Phys. Géol. Dyn., vol.16, pp.177-187.
- Perthuisot, J. P.; Castanier, S. & Maurin, A. (1990): La huntite ($\text{CaMg}_3(\text{CO}_3)_4$) de la Sebkha el Melah (Zarzis, Tunisie). Un exemple de microbiodiagenèse carbonatogène. Bull. Soc. géol. France, sér.8, vol.6, pp.657-666.
- Petersen, T. (1867): Analyse des Dolomits aus dem Binnenthal. Neues Jahrb. Mineral., 1867, p.371.
- Peterson, M. N. A.; Bien, G. S. & Berner, R. A. (1963): Radiocarbon studies of Recent dolomite from Deep Spring Lake, California. Jour. Geophys. Research, vol.68, pp.6493-6505.
- Peterson, M. N. A.; Borch, C. C. von der & Bien, G. S. (1966): Growth of dolomite crystals. Am. Jour. Sci., vol.264, pp.257-272.
- Petzholdt, A. (1843): Beiträge zur Geognosie von Tyrol (Skizzen auf einer Reise durch Sachsen, Bayern, Salzkammergut, Salzburg, Tyrol, Östreich). J. J. Weber, Leipzig, 372 p.
- Pfaff, F. (1851): Ueber den Dolomit des fränkischen Jura und seine Bildungsweise. Ann. D. Physik u. Chemie, Bd.82, pp.463-495.
- Pfaff, F. (1852): Noch einige Bemerkungen über den fränkischen Juradolomit. Ann. der Physik u. Chemie, Bd.83, pp.600-608.
- Pfaff, F. W. (1894): Beiträge zur Erklärung über die Entstehung des Magnesits und Dolomits. Neues Jahrb. Mineral., Beil.-Bd.9, pp.485-507.
- Pfaff, F. W. (1903): Ueber Dolomitbildung (Briefliche Mittheilung). Centralbl. f. Mineral., 1903, p.659-660.
- Pfaff, F. W. (1907): Über Dolomit und seine Entstehung. Neues Jahrb. Mineral., Beil.-Bd.23, pp.529-580.
- Pfaundler, L. (1867): Beiträge zur chemischen Statik. Ann. d. Physik, Bd.131, pp.60-85.
- Pfeiffer, E. (1902): Kritische Studien über Untersuchung und Reinigung des Kesselspeisewassers. Zeitschr. f. angew. Chemie, Bd.15, pp.193-207.

- Philip Carey Manuf. Co. (1938/1946): (Greider, H. W. & MacArthur, R. A., inv.): Manufacture of normal magnesium carbonate. U.S. Patent 2.396.915.
- Philippi, E. (1907): Ueber Dolomitbildung und chemische Abscheidung von Kalk im heutigen Meere. Neues Jahrb. Mineral., Festband 1907, pp.397-445.
- Phillips, F. M.; Campbell, A. R.; Kruger, C. V.; Roberts, R. M. & Smith, G. I. (1989): An oxygen-18 record of lake-level fluctuations at Searles Lake California, for the entire Quaternary. Geol. Soc. Am., Abstr. & Programs, vol.21, no.A 210.
- Philp, R. P. & Calvin, M. (1975): Kerogen structures in recently-deposited algal mats at Laguna Mormona, Baja California: A model system for the determination of kerogen structures in ancient sediments. Chem. Abstr., vol.85 (1976), no.180,410 v.
- Phleger, F. B. (1969): A modern evaporite deposit in Mexico. Am. Assoc. Petrol. Geol. Bull., vol.53, pp.824-829.
- Phleger, F. B. & Ewing, G. C. (1962): Sedimentology and oceanography of coastal lagoons in Baja California, Mexico. Geol. Soc. Am. Bull., vol.73, pp.145-182.
- Phragmén, G. (1925): Ueber den Aufbau der Eisen-Silizium-Legierungen. Stahl u. Eisen, Bd.45, pp.299-300.
- Piedbouef, L. (1888): Concrétions dolomitiques de l'étage houiller à *Aviculopecten* du bassin houiller de la Westphalie. Ann. Soc. Géol. Belgique, vol.15, pp.88-90.
- Pierce, J. W. & Melson, W. G. (1967): Dolomite from the continental slope off California. Jour. Sedim. Petrol., vol.37, pp.963-966.
- Pierre, C.; Ortlieb, L. & Person, A. (1984): Supratidal evaporitic dolomite at Ojo de Liebre lagoon: Mineralogical and isotopic arguments for primary crystallization. Jour. Sedim. Petrol., vol.54, pp.1049-1061.
- Pingitore, N. E. & Eastman, M. P. (1986): The coprecipitation of Sr^{2+} with calcite at 25° C and 1 atm. Geochim. Cosmochim. Acta, vol.50, pp.2195-2203.
- Pisarskii, B. I. & Konev, A. A. (1971): Find of nesquehonite in the Transbaikal region. Chem. Abstracts, vol.76 (1972), no.16.522 b.
- Pitts, R. F. (1968): Physiology of the kidney and body fluids. (2nd ed.) Year Book Medical Publishing, Chicago, 266 p.
- Pitts, R. F. (1973): Production and excretion of ammonia in relation to acid – base regulation. Ch.15, pp.455-496, in: Geiger, S. R. (ed.): Handbook of Physiology, Section 8: Renal physiology. Am. Physiological Society, Washington, 1082 p.

- Pitty, A. F. (1971): Biological activity and the uptake and redeposition of calcium carbonate in natural waters. *Environmental Letters*, vol.1, pp.103-109.
- Planck, M. (1879): Über den zweiten Hauptsatz der mechanischen Wärmetheorie. Ph.D. Thesis, Univ. München, 61 p. (reprinted: Planck, M., 1958, *Physikalische Abhandlungen und Vorträge*, v.1: Braunschweig, Fr. Vieweg & Sohn, p.1-61.)
- Planck, M. (1900): Ueber irreversibele Strahlungsvorgänge. *Ann. d. Physik*, Ser.4, Bd.1, pp.69-122.
- Planck, M. (1904): Über die mechanische Bedeutung der Temperatur und der Entropie. pp.113-122, in: Meyer, S. (ed.): *Festschrift Ludwig Boltzmann*. J. A. Barth, Leipzig.
- Planck, M. (1913): *Vorlesungen über Thermodynamik*. (4.Aufl.) Veit & Comp., Leipzig, 286 p.
- Planck, M. (1926): Über die Begründung des zweiten Hauptsatzes der Thermodynamik. *Sitzber. Preuss. Akad. Wiss. (Berlin)*, phys.-math. Kl., 1926, pp.453-463.
- Platzmann, C. R. (1937): The separation of magnesia from dolomite. *Cement and Lime Manufacture*, vol.10, pp.325-328.
- Play, F. Le (1834): Observations sur l'estramadure et le nord de l'Analousie, et essai d'une carte géologique de cette contrée. *Ann. des Mines*, vol.6, pp.297-380.
- Playfair, J. (1822): Illustrations of the Huttonian theory. (= vol.1, p.1-514, of "The works of John Playfair, Esq."). A. Constable, Edinburgh.
- Pobeguïn, T. (1959): Détection, au moyen des rayons infrarouges, des groupements OhH et H₂O dans quelques hydrocarbonates et oxalates. *Compt. Rend. (Acad. Sci. Paris)*, vol.248, pp.3585-3587.
- Pobeguïn, T. (1960): Sur l'existence de giobertite et de dolomite dans les concrétions du type "mondmilch". *Compt. Rend. (Acad. Sci. Paris)*, vol.250, pp.2389-2391.
- Poincaré, H. (1912): *La science et l'hypothèse*. Ernest Flammarion, Paris, 289 p.
- Poitevin, E. (1924): A new occurrence of lansfordite from Atlin, BC. *Am. Mineral.*, vol.9, pp.225-228.
- Polyak, V. J. & Güven, N. (2000): Authigenesis of troctahedral smectite in magnesium-rich carbonate speleothems in Carlsbad Cavern and other caves of the Guadalupe Mountains, New Mexico. *Clays & Clay Minerals*, vol.48, pp.317-321.
- Polyakov, V. D. (1959): Formation and use of the Kara-Bogaz-Gol salt deposit. *Chem. Abstr.*, vol.56 (1962), no.6,941 e.

- Popkopaev, N. I. (1927): Scientific expedition to Karabugaz in the years 1921 – 1923. Chem. Abstr., vol.22 (1928), no. 4,417 (2).
- Popov, V. S. & Sadykov, T. S. (1986): Deposition of magnesium carbonate sediments in the Beshkhod lake area (western Uzbekistan). Chem. Abstr., vol.105 (1986), no. 194,892 x.
- Post, J. E. & Bish, D. L. (1989): Rietveld refinement of crystal structures using powder diffraction data. pp.277-308, in: Bish, D. L. & Post, J. E. (eds.): Modern powder diffraction. Reviews in Mineralogy, vol.20. Mineralogical Society America, Washington.
- Postgate, J. R. (1967): Report of the Subcommittee on Sulfate-Reducing bacteria (1962-1966) to the International Committee on Nomenclature of Bacteria. Int. Jour. Syst. Bacteriol., vol.17, pp.111-112.
- Postgate, J. R. (1969): Methane as a minor product of pyruvate metabolism by sulphate-reducing and other bacteria. Jour. Gen. Microbiol., vol.57, pp.293-302.
- Postgate, J. R. (1984): The sulphate-reducing bacteria. (2nd. Ed.) Cambridge Univ. Press, Cambridge, 208 p.
- Postgate, J. R. & Campbell, L. L. (1960): Classification of *Desulfovibrio* species, the nonsporulating sulfate-reducing bacteria. Bacteriol. Rev., vol.30, pp.732-738.
- Potonié, H. (1899): Lehrbuch der Pflanzenpaläontologie mit besonderer Rücksicht auf die Bedürfnisse des Geologen. Ferd. Dümmlers Verlagsbuchhandlung, Berlin, 402 p.
- Preisinger, A. (1979): Sediments. pp.131-138, in: Löffler, H. (ed.): Neusiedlersee: The limnology of a shallow lake in Central Europe. Junk, Den Haag, 543 p.
- Presley, B. J. & Kaplan, I. R. (1968): Changes in dissolved sulfate, calcium and carbonate from interstitial water of near-shore sediments. Geochim. Cosmochim. Acta, vol.32, pp.1037-1048.
- Prigogine, I. & Defay, R. (1954): Chemical thermodynamics. Longmans, London, 543 p.
- Proust, Prof. (1806): Des carbonates calcaires. Observations et Mémoires sur la Physique, sur l'Histoire naturelle, et sur les Arts et Métiers (= Jour. de Physique), vol.62, p.226.
- Provano de Collegno, G. (1835): Notes sur quelques points des Alpes suisses (1). Bull. Soc. Géol. France, vol.6, pp.106-114.
- Pueyo Mur, J. J. & Ingles Urpinell, M. (1987): Magnesite formation in Recent playa lakes, Los Monegros, Spain. pp.119-122, in: Marshall, J. D. (ed.): Diagenesis of sedimentary sequences. Geol. Soc., Spec. Publ. 36. Blackwell, Oxford, 360 p.

- Puhan, D. (1984): Microtextures of dolomite within exsolved magnesian calcite – examples from the Damara orogen (Namibia). *Contr. Mineral. Petrol.*, vol.87, pp.98-99.
- Puri, H. S. & Collier, A. (1967): Role of microorganisms in formation of limestones. *Trans. Gulf Coast Assoc. Geol. Soc.*, vol.17, pp.355-367.
- Puustinen, K. (1974): Dolomite exsolution textures in calcite from the Siilinjarvi carbonatite complex, Finland. *Chem. Abstracts*, vol.82 (1975), no.173.605 x.
- Raade, G. (1970): Dypingite, a new hydrous basic carbonate of magnesium, from Norway. *Am. Mineral.*, vol.55, pp.1457-1465.
- Radcewski, O. E.; Müller, H. O. & Eitel, W. (1940): Übermikroskopische Untersuchung der Erstausscheidung von Calciumkarbonat aus wässriger Lösung. *Zentralbl. f. Mineral.*, Jg.1940, pp.8-19.
- Rammelsberg, C. F. (1841): *Handwörterbuch des chemischen Theils der Mineralogie*. C. G. Lüdertitz, Berlin. Bd.I = 326 p.
- Rammelsberg, C. (1871): Ueber wasserhaltigen kohlensauen Kalk. *Ber. d. Deut. chem. Ges.*, Bd.4, p.569.
- Rammelsberg, C. F. (1875): *Handbuch der Mineralchemie*. (2. Aufl.) W. Engelmann, Leipzig, Bd.I – Allgemeiner Theil, 744 p.
- Rankin, G. A. & Merwin, H. E. (1916): The ternary system $\text{CaO} - \text{Al}_2\text{O}_3 - \text{MgO}$. *Jour. Am. Chem. Soc.*, vol.38, pp.568-588.
- Rao, C. P. & Gluskoter, H. J. (1973): Occurrence and distribution of minerals in Illinois coals. *Chem. Abstr.*, vol.79 (1973), no.55,715 y.
- Reardon, E. J.; Allison, G. B. & Fritz, P. (1979): Seasonal chemical and isotopic variations of soil CO_2 at Trout Creek, Ontario. *Jour. Hydrology*, vol.43, pp.355-371.
- Redlich, K. A. (1909 A): Die Typen der Magnesitlagerstätten. *Zeitschr. prakt. Geologie*, Bd.17, pp.300-310.
- Redlich, K. A. (1909 B): Genesis und Synthesen des kolloiden Magnesits (Thermaterites magnesius Br.). *Zeitschr. f. Chemie u. Industrie d. Kolloide*, Bd.4, p.189.
- Redlich, K. A. (1912): Entstehung und Vorkommen des Magnesits. pp.243-253, in: Doelter, C. (ed.): *Handbuch der Mineralchemie*. Th. Steinkopff, Dresden, Bd.I = 1008 p.
- Redlich, K. A. (1913): Der Carbonzug der Veitsch und seine Magnesite. *Zeitschr. f. prakt. Geol.*, Bd.21, pp.406-419.

- Redlich, K. A. (1916): Der steirische Erzberg. Mitt. geol. Gesellschaft Wien, Jg.9, pp.1-62.
- Redlich, K. A. (1917): Zu H. Leitmeier's Artikel: Zur Kenntnis der Carbonate. II. Centralbl. f. Mineral., Jg.1917, pp.52-54.
- Redlich, K. A. (1934): Die Typen der Magnesitlagerstätten, ihre Bildung, geologische Stellung und Untersuchung. Zeitschr. f. prakt. Geologie, Bd.42, pp.156-159 + pp.166-173.
- Redlich, K. A. & Großpietsch, O. (1913): Die Genesis der krystallinen Magnesite und Siderite. Zeitschr. f. prakt. Geologie, Bd.21, pp.90-101.
- Reeburgh, W. S. & Heggie, D. T. (1977): Microbial methane consumption reactions and their effect on methane distributions in freshwater and marine environments. Limnology & Oceanography, vol.22, pp.1-9.
- Reed, B. B. (1918): Some American dolomites. Chemical News, vol.118, p.181.
- Reed, R. H. (1986): Halotolerant and halophilic microbes. Ch.3, pp.55-81, in: Herbert, R. A. & Codd, G. A. (eds./1986): Microbes in extreme environments. Academic Press, London, 329 p.
- Reeder, R. J. (1981): Electron optical investigation of sedimentary dolomites. Contr. Mineral. Petrogr., vol.76, pp.148-157.
- Reeder, R. J. (1982): Crystal growth defects in sedimentary carbonate minerals. Estudios Geol. (Madrid), vol.38, pp.179-183.
- Reeder, R. J. (1983): Crystal chemistry of the rhombohedral carbonates. pp.1-47, in: Reeder, R. J. (ed.): Carbonates: mineralogy and chemistry. Mineral. Soc. America, Washington.
- Reeder, R. J. (1992): Carbonates: Growth and alteration microstructures. pp.381-424, in: Buseck, P. R. (ed.): Minerals and reactions at the atomic scale. Transmission electron microscopy. Mineral. Soc. America, Washington.
- Reeder, R. J. & Dollase, W. A. (1989): Structural variation in the dolomite – ankerite solid-solution series: An X-ray, Mössbauer, and TEM study. Am. Mineral., vol.74, pp.1159-1167.
- Reeder, R. J. & Nakajima, Y. (1982): The nature of ordering and ordering defects in dolomite. Physics and Chemistry of Minerals, vol.8, pp.29-35.
- Reeder, R. J. & Paquette, J. (1989): Sector zoning in natural and synthetic calcites. Sedimentary Geology, vol.65, pp.239-247.
- Reeder, R. J. & Prosky, J. L. (1986): Compositional sector zoning in dolomite. Jour. Sed. Petrol., vol.56, pp.237-247.

- Reeder, R. J. & Sheppard, C. E. (1984): Variation of lattice parameters in some sedimentary dolomites. *Am. Mineral.*, vol.69, pp.520-527.
- Reeder, R. J. & Wenk, H. R. (1979): Microstructure in low temperature dolomites. *Geophys. Res. Letters*, vol.6, pp.77-80.
- Reeves Jr., C. C. & Parry, W. T. (1965): Geology of West Texas pluvial lake carbonates. *Am. Jour. Sci.*, vol.263, pp.606-615.
- Reid, J. D. & Anderson, M. E. (1988): Calcium oxalate in sarcoid granulomas with particular reference to the small ovoid body and a note on the finding of dolomite. *Am. Jour. Clinical Pathology*, vol.90, pp.545-558.
- Reimer, C. L. & Will, W. (1885): Ueber das Fett der Früchte von *Myristica surinamensis*. *Berichte Deut. chem. Ges.*, Bd.18, pp.2011-2017.
- Reiners, W. A. (1968): Carbon dioxide evolution from the floor of three Minnesota forests. *Ecology (Ecol. Soc. America, Durham)*, vol.49, pp.471-483.
- Reksten, K. (1990 A): Modulated microstructures in calcian ankerite. *Am. Mineral.*, vol.75, pp.495-500.
- Reksten, K. (1990 B): Superstructures in calcite. *Am. Mineral.*, vol.75, pp.807-812.
- Renault, B. (1900): Sur quelques microorganismes des combustibles fossiles. *Bull. Soc. Ind. Minéral.*, Sér.3, vol.14, pp.5-159.
- Renaut, R. W. (1990): Recent carbonate sedimentation and brine evolution in the saline lake basins of the Cariboo Plateau, British Columbia, Canada. pp.67-81, in: Comin, F. A. & Northcote, T. G. (eds.): *Saline Lakes*. Kluwer, Dordrecht.
- Renaut, R. W. & Long, P. R. (1989): Sedimentology of the saline lakes of the Cariboo Plateau, Interior British Colombia, Canada. *Sedim. Geology*, vol.64, pp.239-264.
- Renaut, R. W.; Tiercelin, J. J. & Owen, R. B. (1986): Mineral precipitation and diagenesis in the sediments of the Lake Bogorio basin, Kenya Rift Valley. pp.159-176, in: Frostick, L. E. et al.(eds.): *Sedimentation in the African Rifts*. Geol. Soc., Spec. Publ. No.25. Blackwell, Oxford, 382 p.
- Renier, A. (1909): Sur les conséquences de la découverte des concrétions dolomitiques à la mine Maria d'Aix-la-Chapelle. *Ann. Soc. Géol. Belgique*, vol.36, pp.B164-B166.
- Repellin, P. (1977): Contribution à l'étude d'un récif corallin: Le sondage "Colette", Atoll de Muroroa (Polynésie française). *Cahiers dur Pacifique*, vol.20, pp.1-210.

- Retgers, J. W. (1889): Das spezifische Gewicht isomorpher Mischungen. *Z. physik. Chemie*, Bd.3, pp.497-561.
- Retgers, J. W. (1891): Ueber den Isomorphismus in der Dolomitreihe. *Neues Jahrb. Mineral.*, Jg.1891, pp.132-160.
- Retgers, J. W. (1892): Zur Isomorphiefrage in der Dolomitreihe. *Neues Jahrb. Mineral.*, Jg.1892, pp.212-217.
- Reuling, H. T. (1934): Der Sitz der Dolomitisierung. Versuch einer neuen Auswertung der Bohrergebnisse von Funafuti. *Abh. d. Senckenbergischen Naturf. Gesell.*, Bd.428, pp.5-44.
- Reuss, A. E. (1840): Geognostische Beobachtungen gesammelt auf einer Reise durch Tyrol im Jahre 1838. *Neues Jahrb. Mineral.*, Jg.1840, pp.127-165.
- Rex, R. W. & Murray, B. (1970): X-Ray mineralogy studies, Leg 4. pp.325-369, in: Bader, R. G. et al. (eds.): *Initial Reports of the Deep Sea Drilling Project, Vol.4*. U.S. Government Printing Office, Washington, 753 p.
- Richter, D. K. (1974 A): Zur subaerischen Diagenese von Echinoidenskeletten und das relative Alter pleistozäner Karbonatterrassen bei Korinth (Griechenland). *Neues Jahrb. Geol. Paläont., Abh.*, Bd.146, pp.51-77.
- Richter, D. K. (1974 B): Entstehung und Diagenese der devonischen und permotriassischen Dolomite in der Eifel. *E. Schweizertbart, Stuttgart*, 101 p.
- Richter, D. K. & Füchtbauer, H. (1978): Ferroan calcite replacement indicates former magnesian calcite skeletons. *Sedimentology*, vol.25, pp.843-860.
- Richter, J. & Jacobs, E. (1972): Feldmessungen zum CO₂ – Haushalt eines Sandbodens. *Wiss. Mitt. Forschungsanstalt Landw. (Volkenrode)*, Bd.22, pp.61-68.
- Richthofen, F. von (1860): *Geognostische Beschreibung der Umgegend von Predazzo, Sanct-Cassian und der Seisser Alpe*. Justus Perthes, Gotha, 327 p.
- Richthofen, F. Freiherr von (1874): Ueber Mendola-Dolomit und Schlern-Dolomit. *Zeitschr. Deut. Geol. Ges.*, Bd.26, pp.225-256.
- Ricketts, B. D. (1980): Experimental investigation of carbonate precipitation in hydrated silica gels. *Jour. Sedim. Petrol.*, vol.50, pp.963-970.
- Ricour, J. (1960): De la genèse de certaines dolomies. *Compt. Rend. (Paris)*, vol.251, pp.1798-1800.
- Rietveld, H. M. (1969): A profile refinement method for nuclear and magnetic structures: *Jour. Appl. Crystallogr.*, v.2, p.65-71.

- Rightmire, C. T. (1978): Seasonal variation in pCO₂ and ¹³C content of soil atmosphere. *Water Resources Res.*, vol.14, pp.691-692.
- Rinne, R. (1907): Über das Verhalten von Magnesiumcarbonat beim Kochen der Lösung. *Chemiker-Zeitung*, Bd.31, pp.125-126.
- Rinne, F. (1924): Röntgenographische Untersuchungen an einigen feinzerteilten Mineralien, Kunstprodukten und dichten Gesteinen. *Z. Krist.*, Bd.60, pp.55-69.
- Rivière, A. (1939 A): Sur la dolomitisation des sédiments calcaires. *Compt. Rend. (Paris)*, vol.209, pp.597-599.
- Rivière, A. (1939 B): Observations nouvelles sur le mécanisme de dolomitisation des sédiments calcaires. *Compt. Rend. (Acad. Sci. Paris)*, vol.209, pp.691-692.
- Roberts, H. H.; Aharon, P. & Walsh, M. M. (1993): Cold-seep carbonates of the Louisiana continental slope-to-basin floor. Ch.7, pp.95-104, in: Rezak, R. & Lavoie, D. L. (eds.): *Carbonate microfabrics*. Springer, New York, 313 p.
- Rodgers, K. A.; Easton, A. J. & Downes, C. J. (1982): The chemistry of carbonate rocks of Niue Island, South Pacific. *Jour. Geol.*, vol.90, pp.645-662.
- Rogers, L. E. R.; Quirk, J. P. & Norrish, K. (1956): Occurrence of an aluminium-sepiolite in a soil having unusual water relationships. *Jour. Soil Sci.*, vol.7, pp.177-184.
- Romé de l'Isle, M. de (1783): *Cristallographie, ou description des formes propres à tous les corps du regne minéral, dans l'état de combinaison saline, pierreuse ou métallique*. De l'imprimerie de Monsieur, Paris. Tome II = 659 p.
- Rooth, J. (1965): The flamingos on Bonaire (Netherlands Antilles). *Natuurwetensch. Studiekring voor Suriname en de Nederlandse Antillen*, Utrecht, 151 p.
- Rose, G. (1837): Ueber die Bildung des Kalkspaths und Arragonits. *Ann. D. Physik*, Bd.42, pp.353-367.
- Rose, G. (1860): Ueber die Umstände, unter denen der kohlensauren Kalk sich in seinen heteromorphen Zuständen, als Kalkspath, Aragonit und Kreide abscheidet. *Ann. D. Physik*, Bd.21, pp.156-165.
- Rose, G. (1861): Ueber die Umstände unter denen der kohlensaure Kalk sich in seinen heteromorphen Zustände als Kalkspath, Aragonit und Kreide abscheidet. *Ann. d. Physik*, Bd.112, pp.43-57.
- Rose, G. (1868): Ueber die Entdeckung der Isomorphie, *Zeitschr. d. Deut. geol. Gesellschaft*, Bd.20, pp.621-630.

- Rose, H. (1851): Ueber den Einfluss des Wassers bei chemischen Zersetzungen (Fortsetzung). *Ann. d. Physik*, Bd.83, pp.417-452.
- Rosen, M. R.; Miser, D. E. & Warren, J. K. (1988): Sedimentology, mineralogy and isotopic analysis of Pellet Lake, Coorong region, South Australia. *Sedimentology*, vol.35, pp.105-122.
- Rosen, M. R.; Miser, D. E.; Starcher, M. A. & Warren, J. K. (1989): Formation of dolomite in the Coorong region, South Australia. *Geochim. Cosmochim. Acta*, vol.53, pp.661-669.
- Rosenberg, P. E. & Holland, H. D. (1964): Calcite – dolomite – magnesite stability relations at elevated temperatures. *Science*, vol.145, pp.700-701.
- Rostad, H. (1975): Diagenesis of postglacial carbonate deposits in Saskatchewan. *Canadian Jour. Earth Sci.*, vol.12, pp.798-806.
- Rosza, M. (1926): Die Entstehung des Dolomits vom Gesichtspunkte der Sedimentation primären Magnesiumcarbonats. *Centralbl. f. Mineral.*, Jg.1926, pp.217-233.
- Roth, J. (1852): Analysen dolomitischer Kalksteine. *Zeitschr. d. Deut. geol. Gesellschaft*, Jg.1852, pp.565-570.
- Roth, J. (1854): Zerlegungen dolomitischer Kalksteine. *Neues Jahrb. Mineral.*, Jg.1854, pp.448-449.
- Rothrock, A. & Schumaker, J. B. (1920): A comparison of dolomites. *Chemical News*, vol.120, pp.29-31.
- Rouse, J. & Sherif, N. (1980): Major evaporite deposition from groundwater remobilized salts. *Nature*, vol.285, pp.470-472.
- Rowland, R. A. & Beck, G. W. (1952): Determination of small quantities of dolomite by differential thermal analysis. *Am. Mineral.*, vol.37, pp.76-82.
- Rubentschick, L. (1928): Über Sulfatreduktion durch Bakterien bei Zellulosegährungsprodukten als Energiequelle. *Centralbl. F. Bakteriöl.*, Abt.II, Bd.73, pp.483-496.
- Rüdorff, F. (1873): Ueber die Löslichkeit von Salzgemischen. *Ann. d. Physik u. Chemie*, Bd.148, pp.456-475 + pp.555-579.
- Rumpf, J. (1873 A): Dolomit von Vigo im Fassathal (Analysen aus dem Laboratorium des Herrn Prof. E. Ludwig). *Tschermak's Mineral. Petrogr. Mitt.*, Jg.1873, p.33.
- Rumpf, J. (1873 B): Ueber krystallisirte Magnesite aus den nordöstlichen Alpen. *Tschermak's Mineral. Mitt.*, Jg.1873, pp.263-272.

- Rumpf, J. (1874): Crinoiden aus dem Sunkgraben. Mineral. Mitt. (Hrsg. Gustav Tschermak), Jg.1874, p.282.
- Rumpf, J. (1876): Ueber steirische Magnesite. Mitt. d. naturw. Vereines f. Steiermark (Graz), Jg.1876, pp.91-97.
- Ruff, O.; Ebert, F. & Krawczynskii, U. (1933): Beiträge zur Keramik hochfeuerfeste Stoffe. VII. Die binären Systeme: MgO – CaO , MgO – BeO , CaO – BeO. Zeitschr. anorg. Allg. Chemie, Bd.213, pp.333-335.
- Rushton, H. G.; Spector, M.; Rodgers, A. L.; Hughson, M. & Magura, C. E. (1981): Developmental aspects of calcium oxalate tubular deposits and calculi induced in rat kidneys. Investigative Urology, vol.19, pp.52-57.
- Russell, H. L. (1892): Untersuchungen über im Golf von Neapel lebende Bakterien. Zeitschr. f. Hygiene, Bd.11, pp.165-206.
- Russell, W. L. (1934): Some characteristics of organic content of rocks. Am. Assoc. Petrol. Geol. Bull., vol.18, pp.1103-1125.
- Russell, K. L.; Deffeyes, K. S.; Fowler, G. A. & Lloyd, R. M. (1967): Marine dolomite of unusual composition. Science, vol.155, pp.189-191.