Martin Dietzel

List of Publications by Year
in descending order

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143 papers	5,873 citations	66234 42 h-index	88477 70 g-index
152 all docs	152 docs citations	152 times ranked	4714 citing authors

#	Article	IF	Citations
1	Constraints on the preservation of proxy data in carbonate archives â€“ lessons from a marine limestone to marble transect, Latemar, Italy. Sedimentology, 2022, 69, 423-460.	1.6	7
2	Green inhibitors reduce unwanted calcium carbonate precipitation: Implications for technical settings. Water Research, 2022, 208, 117850.	5.3	14
3	Amorphous and crystalline CaCO3 phase transformation at high solid/liquid ratio â€“ Insight to a novel binder system. Journal of Crystal Growth, 2022, 580, 126465.	0.7	9
4	Impact of green clay authigenesis on element sequestration in marine settings. Nature Communications, 2022, 13, 1527.	5.8	22
5	Neotropical ostracode oxygen and carbon isotope signatures: implications for calcification conditions. Biogeochemistry, 2022, 159, 103-138.	1.7	0
6	Solubility of C-A-S-H phases with high degree of heavy metal ion substitution. Construction and Building Materials, 2022, 327, 126926.	3.2	6
7	Effect of growth rate and pH on Li isotope fractionation during its incorporation in calcite. Geochimica Et Cosmochimica Acta, 2022, 323, 276-290.	1.6	16
8	Synthesis of Zeolites from Fine-Grained Perlite and Their Application as Sorbents. Materials, 2022, 15, 4474.	1.3	5
9	Effect of temperature on the transformation of amorphous calcium magnesium carbonate with near-dolomite stoichiometry into high Mg-calcite. CrystEngComm, 2021, 23, 1969-1981.	1.3	11
10	Green Inhibitor Performance against CaCO₃ Scaling: Rate-Modeling Aided Test Procedure. Crystal Growth and Design, 2021, 21, 1959-1971.	1.4	15
11	Deterioration mechanism of alkali-activated materials in sulfuric acid and the influence of Cu: A micro-to-nano structural, elemental and stable isotopic multi-proxy study. Cement and Concrete Research, 2021, 142, 106373.	4.6	29
12	Chemical weathering and progressing alteration as possible controlling factors for creeping landslides. Science of the Total Environment, 2021, 778, 146300.	3.9	16
13	Uptake of aqueous heavy metal ions (Co2+, Cu2+ and Zn2+) by calcium-aluminium-silicate-hydrate gels. Cement and Concrete Research, 2021, 147, 106521.	4.6	34
14	Quantitative assessment of microstructural changes of hydrated cement blends due to leaching and carbonation, based on statistical analysis of image data. Construction and Building Materials, 2021, 302, 124370.	3.2	5
15	Control of MgSO40(aq) on the transformation of amorphous calcium carbonate to high-Mg calcite and long-term reactivity of the crystalline solid. Geochimica Et Cosmochimica Acta, 2021, 312, 357-374.	1.6	5
16	Calibration of the dual clumped isotope thermometer for carbonates. Geochimica Et Cosmochimica Acta, 2021, 312, 235-256.	1.6	33
17	Cu- and Zn-doped alkali activated mortar â€“ Properties and durability in (bio)chemically aggressive wastewater environments. Cement and Concrete Research, 2021, 149, 106541.	4.6	15
18	A novel nZVIâ€“bentonite nanocomposite to remove trichloroethene (TCE) from solution. Chemosphere, 2021, 282, 131018.	4.2	31

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19	Continuous optical in-situ pH monitoring during early hydration of cementitious materials. Cement and Concrete Research, 2021, 150, 106584.	4.6	16
20	Caste stone formation in the MgO-H2O-organo system â€“ Effect of citric, malic or acetic acid and MgO reactivity on type and composition of castables. Case Studies in Construction Materials, 2021, 15, e00606.	0.8	3
21	Complex Biomineralization Pathways of the Belemnite Rostrum Cause Biased Paleotemperature Estimates. Minerals (Basel, Switzerland), 2021, 11, 1406.	0.8	6
22	A Multi Proxy Investigation of Moisture, Salt, and Weathering Dynamics on a Historic Urban Boundary Wall in Oxford, UK. Studies in Conservation, 2020, 65, 172-188.	0.6	7
23	Magnesium isotope evidence for enhanced crustal reworking in lowermost Cambrian sedimentary rocks (Kazakhstan). Palaeogeography, Palaeoclimatology, Palaeoecology, 2020, 538, 109452.	1.0	2
24	Experimental and theoretical modelling of kinetic and equilibrium Ba isotope fractionation during calcite and aragonite precipitation. Geochimica Et Cosmochimica Acta, 2020, 269, 566-580.	1.6	26
25	Environmental isotope and hydrochemical characteristics of groundwater in central portion of Mekelle sedimentary outlier, northern Ethiopia. Journal of African Earth Sciences, 2020, 171, 103953.	0.9	4
26	Geochemistry of coal mine drainage, groundwater, and brines from the IbbenbÃ¼ren mine, Germany: A coupled elemental-isotopic approach. Applied Geochemistry, 2020, 121, 104693.	1.4	22
27	Fracture dolomite as an archive of continental palaeo-environmental conditions. Communications Earth & Environment, 2020, 1, .	2.6	18
28	Sulfate durability and leaching behaviour of dry- and wet-mix shotcrete mixes. Cement and Concrete Research, 2020, 137, 106180.	4.6	26
29	A coherent method for combined stable magnesium and radiogenic strontium isotope analyses in carbonates (with application to geological reference materials SARM 40, SARM 43, SRM 88A, SRM 1B). MethodsX, 2020, 7, 100847.	0.7	1
30	Controls on formation and alteration of early diagenetic dolomite: A multi-proxy Î´44/40Ca, Î´26Mg, Î´18O and Î´13C approach. Geochimica Et Cosmochimica Acta, 2020, 283, 167-183.	1.6	14
31	Oxygen and clumped isotope fractionation during the formation of Mg calcite via an amorphous precursor. Geochimica Et Cosmochimica Acta, 2020, 276, 258-273.	1.6	18
32	Variation in the diagenetic response of aragonite archives to hydrothermal alteration. Sedimentary Geology, 2020, 406, 105716.	1.0	18
33	Scale deposits in tunnel drainage systems â€“ A study on fabrics and formation mechanisms. Science of the Total Environment, 2020, 718, 137140.	3.9	20
34	New insights into fluid-rock interaction mechanisms at mud volcanoes: Implications for fluid origin and mud provenance at Bahar and Zenbil (Azerbaijan). Chemical Geology, 2020, 537, 119479.	1.4	7
35	Long-term in situ performance of geopolymer, calcium aluminate and Portland cement-based materials exposed to microbially induced acid corrosion. Cement and Concrete Research, 2020, 131, 106034.	4.6	63
36	Aragoniteâ€“calcite veins of the â€˜Erzbergâ€™ iron ore deposit (Austria): Environmental implications from young fractures. Sedimentology, 2019, 66, 604-635.	1.6	11

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37	The role of pH on Cr(VI) partitioning and isotopic fractionation during its incorporation in calcite. Geochimica Et Cosmochimica Acta, 2019, 265, 520-532.	1.6	23
38	Leaching behavior of carbonate bearing backfill material â€“ An experimental and modelling approach. Construction and Building Materials, 2019, 223, 254-264.	3.2	2
39	Effect of sulfate on magnesium incorporation in low-magnesium calcite. Geochimica Et Cosmochimica Acta, 2019, 265, 505-519.	1.6	37
40	Significance of fluid chemistry throughout diagenesis of aragonitic Porites corals â€“ An experimental approach. Depositional Record, 2019, 5, 592-612.	0.8	7
41	Chemical resistance of eco-concrete â€“ Experimental approach on Ca-leaching and sulphate attack. Construction and Building Materials, 2019, 223, 55-68.	3.2	17
42	Controls of temperature, alkalinity and calcium carbonate reactant on the evolution of dolomite and magnesite stoichiometry and dolomite cation ordering degree - An experimental approach. Chemical Geology, 2019, 529, 119292.	1.4	27
43	Effect of growth rate and pH on lithium incorporation in calcite. Geochimica Et Cosmochimica Acta, 2019, 248, 14-24.	1.6	59
44	Solubility investigations in the amorphous calcium magnesium carbonate system. CrystEngComm, 2019, 21, 155-164.	1.3	50
45	Removal of heavy metals (Co, Cr, and Zn) during calciumâ€“aluminiumâ€“silicateâ€“hydrate and trioctahedral smectite formation. Journal of Materials Science, 2019, 54, 9331-9351.	1.7	41
46	Diagenesis of mollusc aragonite and the role of fluid reservoirs. Earth and Planetary Science Letters, 2019, 514, 130-142.	1.8	37
47	Technical note: Lithium isotopes in dolostone as a palaeo-environmental proxy â€“ an experimental approach. Climate of the Past, 2019, 15, 635-646.	1.3	16
48	Zinc isotope fractionation during the inorganic precipitation of calcite â€“ Towards a new pH proxy. Geochimica Et Cosmochimica Acta, 2019, 244, 99-112.	1.6	50
49	High-resolution optical pH imaging of concrete exposed to chemically corrosive environments. Cement and Concrete Research, 2019, 116, 231-237.	4.6	32
50	Radiogenic Sr and Stable C and O Isotopes Across Precambrianâ€€Cambrian Transition in Marine Carbonatic Phosphorites of Malyi Karatau (Kazakhstan)â€"Implications for Paleoâ€€environmental Change. Geochemistry, Geophysics, Geosystems, 2019, 20, 3-23.	1.0	22
51	Durability of shotcrete for underground supportâ€“ Review and update. Construction and Building Materials, 2019, 202, 465-493.	3.2	131
52	Incorporation and subsequent diagenetic alteration of sulfur in Arctica islandica. Chemical Geology, 2018, 482, 72-90.	1.4	10
53	Advances in concrete materials for sewer systems affected by microbial induced concrete corrosion: A review. Water Research, 2018, 134, 341-352.	5.3	171
54	Effect of aqueous Si/Mg ratio and pH on the nucleation and growth of sepiolite at 25â€Â°C. Geochimica Et Cosmochimica Acta, 2018, 227, 211-226.	1.6	34

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55	Micro- and nanostructures reflect the degree of diagenetic alteration in modern and fossil brachiopod shell calcite: A multi-analytical screening approach (CL, FE-SEM, AFM, EBSD). Palaeogeography, Palaeoclimatology, Palaeoecology, 2018, 502, 13-30.	1.0	40
56	A new test for combined Ca-leaching and sulphate resistance of cementitious materials. MATEC Web of Conferences, 2018, 199, 02005.	0.1	3
57	Microbial induced acid corrosion from a field perspective - Advances in process understanding and construction material development. MATEC Web of Conferences, 2018, 199, 02002.	0.1	0
58	Optical pH imaging of concrete exposed to chemically corrosive environments. MATEC Web of Conferences, 2018, 199, 02007.	0.1	3
59	Hydrothermal alteration of aragonitic biocarbonates: assessment of micro- and nanostructural dissolutionâ€“reprecipitation and constraints of diagenetic overprint from quantitative statistical grain-area analysis. Biogeosciences, 2018, 15, 7451-7484.	1.3	16
60	In-situ Raman spectroscopy of amorphous calcium phosphate to crystalline hydroxyapatite transformation. MethodsX, 2018, 5, 1241-1250.	0.7	89
61	Uranium and Multi-element Release from Orthogneiss and Granite (Austria): Experimental Approach Versus Groundwater Composition. Aquatic Geochemistry, 2018, 24, 279-306.	1.5	1
62	Removal of Barium, Cobalt, Strontium, and Zinc from Solution by Natural and Synthetic Allophane Adsorbents. Geosciences (Switzerland), 2018, 8, 309.	1.0	44
63	Barium partitioning in calcite and aragonite as a function of growth rate. Geochimica Et Cosmochimica Acta, 2018, 237, 65-78.	1.6	46
64	Oxygen isotope fractionation during smithsonite formation from aqueous solutions. Chemical Geology, 2018, 495, 76-89.	1.4	5
65	Influence of aqueous Mg concentration on the transformation of amorphous calcium carbonate. Journal of Crystal Growth, 2018, 498, 381-390.	0.7	44
66	Echinoid skeletal carbonate as archive of past seawater magnesium isotope signatures â€“ Potential and limitations. Geochimica Et Cosmochimica Acta, 2018, 235, 333-359.	1.6	17
67	Exploring the impact of diagenesis on (isotope) geochemical and microstructural alteration features in biogenic aragonite. Sedimentology, 2017, 64, 1354-1380.	1.6	38
68	Control of Mg²⁺/Ca²⁺ Activity Ratio on the Formation of Crystalline Carbonate Minerals via an Amorphous Precursor. Crystal Growth and Design, 2017, 17, 1069-1078.	1.4	41
69	Impact of amorphous precursor phases on magnesium isotope signatures of Mg-calcite. Earth and Planetary Science Letters, 2017, 464, 227-236.	1.8	55
70	The role of Fe on the formation and diagenesis of interstratified glauconite-smectite and illite-smectite: A case study of Upper Cretaceous shallow-water carbonates. Chemical Geology, 2017, 453, 21-34.	1.4	49
71	Environmental controls and reaction pathways of coupled de-dolomitization and thaumasite formation. Cement and Concrete Research, 2017, 95, 282-293.	4.6	32
72	Characterisation and origin of hydrothermal waters at SÃ£o Miguel (Azores) inferred by chemical and isotopic composition. Journal of Volcanology and Geothermal Research, 2017, 346, 104-117.	0.8	13

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73	Effect of organic ligands on Mg partitioning and Mg isotope fractionation during low-temperature precipitation of calcite in the absence of growth rate effects. Geochimica Et Cosmochimica Acta, 2017, 207, 139-153.	1.6	57
74	Control of temperature and aqueous Mg 2+ /Ca 2+ ratio on the (trans-)formation of ikaite. Geochimica Et Cosmochimica Acta, 2017, 217, 128-143.	1.6	56
75	Strontium isotope fractionation during strontianite (SrCO3) dissolution, precipitation and at equilibrium. Geochimica Et Cosmochimica Acta, 2017, 218, 201-214.	1.6	27
76	The decisive role of acidophilic bacteria in concrete sewer networks: A new model for fast progressing microbial concrete corrosion. Cement and Concrete Research, 2017, 101, 93-101.	4.6	71
77	Scale-fragment formation impairing geothermal energy production: interacting H2S corrosion and CaCO3 crystal growth. Geothermal Energy, 2017, 5, .	0.9	29
78	Groundwater flow dynamics in the complex aquifer system of Gidabo River Basin (Ethiopian Rift): a multi-proxy approach. Hydrogeology Journal, 2017, 25, 519-538.	0.9	28
79	Experimental diagenesis: insights into aragonite to calcite transformation of <i>Arctica islandica</i> shells by hydrothermal treatment. Biogeosciences, 2017, 14, 1461-1492.	1.3	54
80	Barium isotope fractionation during witherite (BaCO3) dissolution, precipitation and at equilibrium. Geochimica Et Cosmochimica Acta, 2016, 190, 72-84.	1.6	69
81	Synthesis of hierarchically structured materials: microporous diatoms and nanoporous hydroxyaluminosilicate. Nanotechnology for Environmental Engineering, 2016, 1, 1.	2.0	3
82	Calcium Isotope Fractionation During Mineral Precipitation from Aqueous Solution. Advances in Isotope Geochemistry, 2016, , 75-110.	1.4	8
83	Transformation of Amorphous Calcium Carbonate in Air. Crystal Growth and Design, 2016, 16, 6310-6317.	1.4	75
84	Impact of diagenetic alteration on brachiopod shell magnesium isotope (Î´26Mg) signatures: Experimental versus field data. Chemical Geology, 2016, 440, 191-206.	1.4	40
85	Temporal and spatial variability of chemical and isotopic composition of soil solutions from cambisols - field study and experiments. Science of the Total Environment, 2016, 572, 1066-1079.	3.9	5
86	Experimental determination of barium isotope fractionation during diffusion and adsorption processes at low temperatures. Geochimica Et Cosmochimica Acta, 2016, 186, 226-241.	1.6	41
87	Tracing formation and durability of calcite in a Punicâ€“Roman cistern mortar (Pantelleria Island,) Tj ETQq1 1 0.784314 rgBT /Overloc	0.5	11
88	88Sr/86Sr fractionation in inorganic aragonite and in corals. Geochimica Et Cosmochimica Acta, 2016, 178, 268-280.	1.6	32
89	Transformation of Mg-bearing amorphous calcium carbonate to Mg-calcite â€“ In situ monitoring. Geochimica Et Cosmochimica Acta, 2016, 174, 180-195.	1.6	65
90	Stable Isotope Signatures within Microbial Induced Concrete Corrosion: A Field Study. Procedia Earth and Planetary Science, 2015, 13, 68-71.	0.6	11

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91	Concrete Corrosion in Tunnels: A Stable O and H Isotope Study of TSA Mechanism. Procedia Earth and Planetary Science, 2015, 13, 248-251.	0.6	1
92	The effect of Al on Si isotope fractionation investigated by silica precipitation experiments. Chemical Geology, 2015, 397, 94-105.	1.4	70
93	Magnesium isotope composition of sabkha porewater and related (Sub-)Recent stoichiometric dolomites, Abu Dhabi (UAE). Chemical Geology, 2015, 393-394, 112-124.	1.4	61
94	Microbiologically induced concrete corrosion: A case study from a combined sewer network. Cement and Concrete Research, 2015, 77, 16-25.	4.6	118
95	The role of bacterial sulfate reduction during dolomite precipitation: Implications from Upper Jurassic platform carbonates. Chemical Geology, 2015, 412, 1-14.	1.4	79
96	Rapid ikaite (CaCO3Â·6H2O) crystallization in a man-made river bed: Hydrogeochemical monitoring of a rarely documented mineral formation. Applied Geochemistry, 2015, 63, 366-379.	1.4	46
97	¹⁷O excess traces atmospheric nitrate in paleo-groundwater of the Saharan desert. Biogeosciences, 2014, 11, 3149-3161.	1.3	7
98	The Fe-Mg-saponite solid solution series â€“ a hydrothermal synthesis study. Clay Minerals, 2014, 49, 391-415.	0.2	62
99	Si stable isotope fractionation during adsorption and the competition between kinetic and equilibrium isotope fractionation: Implications for weathering systems. Chemical Geology, 2014, 380, 161-171.	1.4	78
100	Evaluation of kinetic effects on clumped isotope fractionation (Î”47) during inorganic calcite precipitation. Geochimica Et Cosmochimica Acta, 2014, 134, 120-136.	1.6	118
101	Formation of helictite in the cave Dragon Belly (Sardinia, Italy)â€”Microstructure and incorporation of Mg, Sr, and Ba. Chemie Der Erde, 2014, 74, 443-452.	0.8	8
102	Impacts of aqueous carbonate accumulation rate, magnesium and polyaspartic acid on calcium carbonate formation (6â€“40Â°C). Chemical Geology, 2013, 340, 105-120.	1.4	53
103	The Rate and Mechanism of Deep-Sea Glauconite Formation at the Ivory Coast-Ghana Marginal Ridge. Clays and Clay Minerals, 2013, 61, 258-276.	0.6	91
104	Calcium carbonate scaling under alkaline conditions â€“ Case studies and hydrochemical modelling. Applied Geochemistry, 2013, 35, 132-141.	1.4	29
105	Evaporation â€” a key mechanism for the thaumasite form of sulfate attack. Cement and Concrete Research, 2013, 49, 55-64.	4.6	40
106	Current challenges for scaling of tunnel drainage systems - Modelling approaches, monitoring tools and prevention strategies / Aktuelle Herausforderungen bei der Versinterung von TunneldrÃ¤nagen - ModellierungsansÃ¤tze, Monitoringwerkzeuge und PrÃ¤ventionsst. Geomechanik Und Tunnelbau, 2013, 6, 743-753.	0.2	9
107	High-Aluminum-Affinity Silica Is a Nanoparticle That Seeds Secondary Aluminosilicate Formation. PLoS ONE, 2013, 8, e84397.	1.1	5
108	Concrete under sulphate attack: an isotope study on sulphur sources. Isotopes in Environmental and Health Studies, 2012, 48, 105-117.	0.5	17

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109	Sr2+/Ca2+ and 44Ca/40Ca fractionation during inorganic calcite formation: III. Impact of salinity/ionic strength. Geochimica Et Cosmochimica Acta, 2012, 77, 432-443.	1.6	56
110	Strontium isotope fractionation of planktic foraminifera and inorganic calcite. Geochimica Et Cosmochimica Acta, 2012, 93, 300-314.	1.6	108
111	Real-time monitoring of the overall exchange of oxygen isotopes between aqueous <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:msubsup><mml:mrow><mml:mtext>CO</mml:mtext></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow> and H2O by Raman spectroscopy. Geochimica Et Cosmochimica Acta, 2012, 90, 1-11.	1.6	26
112	Deterioration of Concrete: Application of Stable Isotopes. , 2012, , 435-443.		0
113	Carbonates. Encyclopedia of Earth Sciences Series, 2011, , 261-266.	0.1	4
114	Multi-proxy approach (2H/H, 18O/16O, 13C/12C and 87Sr/86Sr) for the evolution of carbonate-rich groundwater in basalt dominated aquifer of Axum area, northern Ethiopia. Chemie Der Erde, 2011, 71, 177-187.	0.8	22
115	THERMODYNAMICS OF THE SOLAR CORONA AND EVOLUTION OF THE SOLAR MAGNETIC FIELD AS INFERRED FROM THE TOTAL SOLAR ECLIPSE OBSERVATIONS OF 2010 JULY 11. Astrophysical Journal, 2011, 734, 120.	1.6	66
116	Magnesium-isotope fractionation during low-Mg calcite precipitation in a limestone cave â€“ Field study and experiments. Geochimica Et Cosmochimica Acta, 2010, 74, 4346-4364.	1.6	162
117	Heterotrophic prokaryotic production in ultraoligotrophic alpine karst aquifers and ecological implications. FEMS Microbiology Ecology, 2009, 68, 287-299.	1.3	55
118	Nucleation and crystallization of otavite, witherite, calcite, strontianite, hydrozincite, and hydrocerussite by CO2 membrane diffusion technique. Chemical Geology, 2009, 266, 143-156.	1.4	36
119	Oxygen isotopic fractionation during inorganic calcite precipitation â€• Effects of temperature, precipitation rate and pH. Chemical Geology, 2009, 268, 107-115.	1.4	178
120	Koralm Tunnel as a Case Study for Sinter Formation in Drainage Systems â€“ Precipitation Mechanisms and Retaliatory Action. Geomechanik Und Tunnelbau, 2008, 1, 271-278.	0.2	31
121	Stable carbon and oxygen isotope investigation in historical lime mortar and plaster â€“ Results from field and experimental study. Applied Geochemistry, 2008, 23, 2425-2437.	1.4	44
122	Sr2+/Ca2+ and 44Ca/40Ca fractionation during inorganic calcite formation: I. Sr incorporation. Geochimica Et Cosmochimica Acta, 2008, 72, 3718-3732.	1.6	182
123	Sr2+/Ca2+ and 44Ca/40Ca fractionation during inorganic calcite formation: II. Ca isotopes. Geochimica Et Cosmochimica Acta, 2008, 72, 3733-3745.	1.6	237
124	Occurrence of polymerized silicic acid and aluminum species in two forest soil solutions with different acidity. Geoderma, 2008, 144, 435-445.	2.3	39
125	Desert varnish and petroglyphs on sandstone â€“ Geochemical composition and climate changes from Pleistocene to Holocene (Libya). Chemie Der Erde, 2008, 68, 31-43.	0.8	28
126	The dissolution rates of gibbsite in the presence of chloride, nitrate, silica, sulfate, and citrate in open and closed systems at 20Â°C. Geochimica Et Cosmochimica Acta, 2005, 69, 1199-1211.	1.6	37

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127	Calcium isotope fractionation in calcite and aragonite. Geochimica Et Cosmochimica Acta, 2005, 69, 4485-4494.	1.6	245
128	Impact of cyclic freezing on precipitation of silica in Meâ€“SiO2â€“H2O systems and geochemical implications for cryosoils and -sediments. Chemical Geology, 2005, 216, 79-88.	1.4	51
129	Co-precipitation of Sr2+ and Ba2+ with aragonite by membrane diffusion of CO2 between 10 and 50 Â°C. Chemical Geology, 2004, 203, 139-151.	1.4	166
130	Model for kinetic effects on calcium isotope fractionation (Î´44Ca) in inorganic aragonite and cultured planktonic foraminifera. Geochimica Et Cosmochimica Acta, 2003, 67, 1375-1382.	1.6	210
131	Stability of magadiite between 20 and 100Â°C. Clays and Clay Minerals, 2002, 50, 657-666.	0.6	6
132	Interaction of polysilicic and monosilicic acid with mineral surfaces. Water Science and Technology Library, 2002, , 207-235.	0.2	46
133	Stable Isotope Ratios and the Evolution of Acidulous Ground Water. Aquatic Geochemistry, 2002, 8, 229-254.	1.5	12
134	87Sr/86Sr-VerhÃltnisse als Tracer fÃ¼r geochemische Prozesse in einem Lockergesteinsaquifer (Liebenau, NW-Deutschland). Clean - Soil, Air, Water, 2001, 29, 139-152.	0.8	9
135	Dissolution of silicates and the stability of polysilicic acid. Geochimica Et Cosmochimica Acta, 2000, 64, 3275-3281.	1.6	218
136	Polysilicic Acid and the Dissolution of Silicates. Mineralogical Magazine, 1998, 62A, 385-386.	0.6	8
137	Hydrogeochemische und isotopenchemische Prozesse bei der AuflÃ¶sung von Karbonatgestein und bei der Abscheidung von Calcit. , 1997, , 381-393.		2
138	Coprecipitation of Ni2+, Co2+, and Mn2+ with galena and covellite, and of Sr2+ with calcite during crystallization via diffusion of H2S and C02 through polyethylene at 20Â°C: Power law and Nernst law control of trace element partitioning. Chemical Geology, 1996, 131, 55-65.	1.4	24
139	13C/12C- und18O16O-Signaturen von Calcit-Abscheidungen in Drainagesystemen. Clean - Soil, Air, Water, 1995, 23, 180-184.	0.8	6
140	Depolymerization of soluble silicate in dilute aqueous solutions. Colloid and Polymer Science, 1995, 273, 590-597.	1.0	35
141	Chemical and 13C/12C- and 18O/16O-isotope evolution of alkaline drainage waters and the precipitation of calcite. Applied Geochemistry, 1992, 7, 177-184.	1.4	50
142	Priority substances in the groundwater of the Neogene Middle Posavina region and proposal for nano-geopolymer-based remediation techniques. International Journal of Environmental Science and Technology, 0, , 1.	1.8	3
143	Metal-ion partitioning during low-temperature precipitation and dissolution of anhydrous carbonates and sulphates. , 0, , 139-187.		11