

Eric H Oelkers

List of Publications by Year in descending order

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218
papers

19,144
citations

10351

72
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226
all docs

226
docs citations

226
times ranked

11239
citing authors

#	ARTICLE	IF	CITATIONS
1	Le potentiel du stockage géologique du CO ₂ par minéralisation. Annales Des Mines - Responsabilité Et Environnement, 2022, N° 105, 57-62.	0.1	0
2	A pre-injection assessment of CO ₂ and H ₂ S mineralization reactions at the Nesjavellir (Iceland) geothermal storage site. International Journal of Greenhouse Gas Control, 2022, 115, 103610.	2.3	11
3	A comprehensive and internally consistent mineral dissolution rate database: Part I: Primary silicate minerals and glasses. Chemical Geology, 2022, 597, 120807.	1.4	30
4	Rates of carbon and oxygen isotope exchange between calcite and fluid at chemical equilibrium. Geochimica Et Cosmochimica Acta, 2022, 335, 369-382.	1.6	4
5	Magnesium and carbon isotope fractionation during hydrated Mg-carbonate mineral phase transformations. Geochimica Et Cosmochimica Acta, 2021, 293, 507-524.	1.6	18
6	Novel laboratory investigation of huff-n-puff gas injection for shale oils under realistic reservoir conditions. Fuel, 2021, 284, 118950.	3.4	43
7	Experimental study of epidote dissolution rates from pH 2 to 11 and temperatures from 25 to 200°C. Geochimica Et Cosmochimica Acta, 2021, 294, 70-88.	1.6	9
8	The role of fluid chemistry on permeability evolution in granite: Applications to natural and anthropogenic systems. Earth and Planetary Science Letters, 2021, 553, 116641.	1.8	9
9	Siderite nucleation pathways as a function of aqueous solution saturation state at 25°C. Chemical Geology, 2021, 559, 119947.	1.4	7
10	Nickel isotope fractionation as a function of carbonate growth rate during Ni coprecipitation with calcite. Geochimica Et Cosmochimica Acta, 2021, 299, 184-198.	1.6	15
11	Mineralization potential of water-dissolved CO ₂ and H ₂ S injected into basalts as function of temperature: Freshwater versus Seawater. International Journal of Greenhouse Gas Control, 2021, 109, 103357.	2.3	12
12	Characterizing fluid flow paths in the Hellisheidi geothermal field using detailed fault mapping and stress-dependent permeability. Geothermics, 2021, 94, 102127.	1.5	8
13	The temporal evolution of the carbon isotope composition of calcite in the presence of cyanobacteria. Chemical Geology, 2021, 584, 120556.	1.4	6
14	An experimental study of basalt-seawater-CO ₂ interaction at 130°C. Geochimica Et Cosmochimica Acta, 2021, 308, 21-41.	1.6	28
15	An experimental study of sepiolite dissolution and growth rates as function of the aqueous solution saturation state at 60°C. Geochimica Et Cosmochimica Acta, 2021, 315, 276-294.	1.6	3
16	Magnesium isotope fractionation during hydrothermal seawater-basalt interaction. Geochimica Et Cosmochimica Acta, 2020, 272, 21-35.	1.6	21
17	An experimental study of sepiolite dissolution rates and mechanisms at 25°C. Geochimica Et Cosmochimica Acta, 2020, 270, 296-312.	1.6	11
18	Dawsonite and ankerite formation in the LDX-1 structure, Yinggehai basin, South China sea: An analogy for carbon mineralization in subsurface sandstone aquifers. Applied Geochemistry, 2020, 120, 104663.	1.4	7

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19	Experimental determination of Ni isotope fractionation during Ni adsorption from an aqueous fluid onto calcite surfaces. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 273, 26-36.	1.6	15
20	Carbon dioxide storage through mineral carbonation. <i>Nature Reviews Earth & Environment</i> , 2020, 1, 90-102.	12.2	307
21	CarbFix2: CO ₂ and H ₂ S mineralization during 3.5 years of continuous injection into basaltic rocks at more than 250°C. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 279, 45-66.	1.6	79
22	Extreme silicon isotope fractionation due to Si organic complexation: Implications for silica biomineralization. <i>Earth and Planetary Science Letters</i> , 2020, 541, 116287.	1.8	6
23	Nanoanalytical Identification of Siderite Dissolution-Coupled Pb Removal Mechanisms from Oxidic and Anoxic Aqueous Solutions. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 1966-1977.	1.2	2
24	An experimental study of gypsum dissolution coupled to CaCO ₃ precipitation and its application to carbon storage. <i>Chemical Geology</i> , 2019, 525, 447-461.	1.4	20
25	An integrated evaluation of enhanced oil recovery and geochemical processes for carbonated water injection in carbonate rocks. <i>Journal of Petroleum Science and Engineering</i> , 2019, 181, 106188.	2.1	27
26	Enhancement of cyanobacterial growth by riverine particulate material. <i>Chemical Geology</i> , 2019, 525, 143-167.	1.4	5
27	An Improved Understanding About CO ₂ EOR and CO ₂ Storage in Liquid-Rich Shale Reservoirs. , 2019, , .		14
28	Experimental determination of Li isotope behaviour during basalt weathering. <i>Chemical Geology</i> , 2019, 517, 34-43.	1.4	50
29	Rapid CO ₂ mineralisation into calcite at the CarbFix storage site quantified using calcium isotopes. <i>Nature Communications</i> , 2019, 10, 1983.	5.8	68
30	The experimental determination of equilibrium Si isotope fractionation factors among H ₄ SiO ₄ , H ₃ SiO ₄ ⁻ and amorphous silica (SiO ₂ ·0.32 H ₂ O) at 25 and 75 °C using the three-isotope method. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 255, 49-68.	1.6	28
31	The rapid resetting of the Ca isotopic signatures of calcite at ambient temperature during its congruent dissolution, precipitation, and at equilibrium. <i>Chemical Geology</i> , 2019, 512, 1-10.	1.4	30
32	Using stable Mg isotope signatures to assess the fate of magnesium during the in situ mineralisation of CO ₂ and H ₂ S at the CarbFix site in SW-Iceland. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 245, 542-555.	1.6	27
33	Solubility of the hydrated Mg-carbonates nesquehonite and dypingite from 5 to 35°C: Implications for CO ₂ storage and the relative stability of Mg-carbonates. <i>Chemical Geology</i> , 2019, 504, 123-135.	1.4	70
34	Citation for the 2018 C.C. Patterson Award to Sigurdur R. Gislason. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 246, 585-590.	1.6	0
35	Experimental determination of the solubility product of dolomite at 50–253°C. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 224, 262-275.	1.6	43
36	The temporal evolution of magnesium isotope fractionation during hydromagnesite dissolution, precipitation, and at equilibrium. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 226, 36-49.	1.6	31

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37	Reaction path modelling of in-situ mineralisation of CO ₂ at the CarbFix site at Hellisheidi, SW-Iceland. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 220, 348-366.	1.6	72
38	Carbon sequestration via enhanced weathering of peridotites and basalts in seawater. <i>Applied Geochemistry</i> , 2018, 91, 197-207.	1.4	52
39	The effect of the 2014-15 Bárðarbunga volcanic eruption on chemical denudation rates and the CO ₂ budget. <i>Energy Procedia</i> , 2018, 146, 53-58.	1.8	1
40	Carbon sequestration potential of altered mafic reservoirs. <i>Energy Procedia</i> , 2018, 146, 68-73.	1.8	8
41	Non-stoichiometric dissolution of sepiolite. <i>Energy Procedia</i> , 2018, 146, 74-80.	1.8	4
42	Evaluation and refinement of thermodynamic databases for mineral carbonation. <i>Energy Procedia</i> , 2018, 146, 81-91.	1.8	54
43	A brief history of CarbFix: Challenges and victories of the project's pilot phase. <i>Energy Procedia</i> , 2018, 146, 103-114.	1.8	52
44	The geology and hydrology of the CarbFix2 site, SW-Iceland. <i>Energy Procedia</i> , 2018, 146, 146-157.	1.8	21
45	The chemistry and potential reactivity of the CO ₂ -H ₂ S charged injected waters at the basaltic CarbFix2 site, Iceland. <i>Energy Procedia</i> , 2018, 146, 121-128.	1.8	19
46	Olivine dissolution rates: A critical review. <i>Chemical Geology</i> , 2018, 500, 1-19.	1.4	114
47	The rapid and cost-effective capture and subsurface mineral storage of carbon and sulfur at the CarbFix2 site. <i>International Journal of Greenhouse Gas Control</i> , 2018, 79, 117-126.	2.3	80
48	Stable and radiogenic strontium isotope fractionation during hydrothermal seawater-basalt interaction. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 240, 131-151.	1.6	21
49	Convective mixing fingers and chemistry interaction in carbon storage. <i>International Journal of Greenhouse Gas Control</i> , 2017, 58, 52-61.	2.3	30
50	The impact of damming on riverine fluxes to the ocean: A case study from Eastern Iceland.. <i>Water Research</i> , 2017, 113, 124-138.	5.3	26
51	Assessing dolomite surface reactivity at temperatures from 40 to 120 °C by hydrothermal atomic force microscopy. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 199, 130-142.	1.6	24
52	The chemistry and saturation states of subsurface fluids during the in situ mineralisation of CO ₂ and H ₂ S at the CarbFix site in SW-Iceland. <i>International Journal of Greenhouse Gas Control</i> , 2017, 58, 87-102.	2.3	93
53	The experimental determination of REE partition coefficients in the water-calcite system. <i>Chemical Geology</i> , 2017, 462, 30-43.	1.4	55
54	Pollution from the 2014-15 Bárðarbunga eruption monitored by snow cores from the Vatnajökull glacier, Iceland. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 347, 371-396.	0.8	6

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55	High reactivity of deep biota under anthropogenic CO ₂ injection into basalt. <i>Nature Communications</i> , 2017, 8, 1063.	5.8	55
56	Ca and Mg isotope fractionation during the stoichiometric dissolution of dolomite at temperatures from 51 to 126 Å°C and 5 bars CO ₂ pressure. <i>Chemical Geology</i> , 2017, 467, 76-88.	1.4	30
57	Experimental determination of barite dissolution and precipitation rates as a function of temperature and aqueous fluid composition. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 194, 193-210.	1.6	64
58	Spatial and temporal variations of base cation release from chemical weathering on a hillslope scale. <i>Chemical Geology</i> , 2016, 441, 1-13.	1.4	41
59	The effect of permafrost, vegetation, and lithology on Mg and Si isotope composition of the Yenisey River and its tributaries at the end of the spring flood. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 191, 32-46.	1.6	41
60	The control of carbonate mineral Mg isotope composition by aqueous speciation: Theoretical and experimental modeling. <i>Chemical Geology</i> , 2016, 445, 120-134.	1.4	84
61	Rapid carbon mineralization for permanent disposal of anthropogenic carbon dioxide emissions. <i>Science</i> , 2016, 352, 1312-1314.	6.0	565
62	An experimental study of hydroxylbastnasite solubility in aqueous solutions at 25 Å°C. <i>Chemical Geology</i> , 2016, 430, 70-77.	1.4	20
63	The chemical composition of rivers and snow affected by the 2014/2015 BÄ;rbunga eruption, Iceland. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 316, 101-119.	0.8	16
64	On the effect of aqueous Ca on magnesite growth â€“ Insight into trace element inhibition of carbonate mineral precipitation. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 178, 195-209.	1.6	11
65	Dissolution rate of antigorite from a whole-rock experimental study of serpentinite dissolution from 2<pH<9 at 25Å°C: Implications for carbon mitigation via enhanced serpentinite weathering. <i>Applied Geochemistry</i> , 2015, 61, 259-271.	1.4	10
66	Direct evidence of the feedback between climate and nutrient, major, and trace element transport to the oceans. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 166, 249-266.	1.6	29
67	Coupled alkali feldspar dissolution and secondary mineral precipitation in batch systems: 5. Results of K-feldspar hydrolysis experiments. <i>Diqiu Huaxue</i> , 2015, 34, 1-12.	0.5	21
68	The effect of pH, grain size, and organic ligands on biotite weathering rates. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 164, 127-145.	1.6	86
69	The continuous re-equilibration of carbon isotope compositions of hydrous Mg carbonates in the presence of cyanobacteria. <i>Chemical Geology</i> , 2015, 404, 41-51.	1.4	27
70	Solving the carbon-dioxide buoyancy challenge: The design and field testing of a dissolved CO ₂ injection system. <i>International Journal of Greenhouse Gas Control</i> , 2015, 37, 213-219.	2.3	96
71	The effect of the 2002 glacial flood on dissolved and suspended chemical fluxes in the SkaftÄ; river, Iceland. <i>Journal of Volcanology and Geothermal Research</i> , 2015, 301, 253-276.	0.8	8
72	The efficient long-term inhibition of forsterite dissolution by common soil bacteria and fungi at Earth surface conditions. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 168, 222-235.	1.6	38

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73	The influence of terrigenous particulate material dissolution on ocean chemistry and global element cycles. <i>Chemical Geology</i> , 2015, 395, 50-66.	1.4	170
74	The surface area and reactivity of granitic soils: I. Dissolution rates of primary minerals as a function of depth and age deduced from field observations. <i>Geoderma</i> , 2015, 237-238, 21-35.	2.3	15
75	Dissolution rates of actinolite and chlorite from a whole-rock experimental study of metabasalt dissolution from 2 to 12 at 25 °C. <i>Chemical Geology</i> , 2014, 390, 100-108.	1.4	39
76	On the colorimetric measurement of aqueous Si in the presence of organic ligands and common pH buffering agents. <i>Mineralogical Magazine</i> , 2014, 78, 1431-1436.	0.6	4
77	Rapid solubility and mineral storage of CO ₂ in basalt. <i>Energy Procedia</i> , 2014, 63, 4561-4574.	1.8	52
78	Carbon Storage in Basalt. <i>Science</i> , 2014, 344, 373-374.	6.0	202
79	Biotite surface chemistry as a function of aqueous fluid composition. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 128, 58-70.	1.6	35
80	Kinetic and Thermodynamic Controls of Divalent Metals Isotope Composition in Carbonate: Experimental Investigations and Applications. <i>Procedia Earth and Planetary Science</i> , 2014, 10, 168-172.	0.6	9
81	Using stable Mg isotopes to distinguish dolomite formation mechanisms: A case study from the Peru Margin. <i>Chemical Geology</i> , 2014, 385, 84-91.	1.4	76
82	Dawsonite formation in the Beier Sag, Hailar Basin, NE China tuff: A natural analog for mineral carbon storage. <i>Applied Geochemistry</i> , 2014, 48, 155-167.	1.4	27
83	The role of silicate surfaces on calcite precipitation kinetics. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 135, 231-250.	1.6	40
84	Quantifying the impact of riverine particulate dissolution in seawater on ocean chemistry. <i>Earth and Planetary Science Letters</i> , 2014, 395, 91-100.	1.8	45
85	Experimental determination of plagioclase dissolution rates as a function of its composition and pH at 22 °C. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 139, 154-172.	1.6	69
86	An experimental study of basaltic glass-H ₂ O-CO ₂ interaction at 22 and 50 °C: Implications for subsurface storage of CO ₂ . <i>Geochimica Et Cosmochimica Acta</i> , 2014, 126, 123-145.	1.6	72
87	The chemistry and element fluxes of the July 2011 MýlakvÁsl and KaldakvÁsl glacial floods, Iceland. <i>Journal of Volcanology and Geothermal Research</i> , 2014, 273, 41-57.	0.8	16
88	Inter-mineral Mg isotope fractionation during hydrothermal ultramafic rock alteration – Implications for the global Mg-cycle. <i>Earth and Planetary Science Letters</i> , 2014, 392, 166-176.	1.8	78
89	The experimental determination of hydromagnesite precipitation rates at 22.5 to 75 °C. <i>Mineralogical Magazine</i> , 2014, 78, 1405-1416.	0.6	21
90	Monitoring permanent CO ₂ storage by in situ mineral carbonation using a reactive tracer technique. <i>Energy Procedia</i> , 2014, 63, 4180-4185.	1.8	21

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91	An experimental study of tremolite dissolution rates as a function of pH and temperature: Implications for tremolite toxicity and its use in carbon storage. <i>Mineralogical Magazine</i> , 2014, 78, 1449-1464.	0.6	7
92	The geology and water chemistry of the Hellisheidi, SW-Iceland carbon storage site. <i>International Journal of Greenhouse Gas Control</i> , 2013, 12, 399-418.	2.3	96
93	Using Mg Isotopes to Trace Cyanobacterially Mediated Magnesium Carbonate Precipitation in Alkaline Lakes. <i>Aquatic Geochemistry</i> , 2013, 19, 1-24.	1.5	85
94	The effect of particulate dissolution on the neodymium (Nd) isotope and Rare Earth Element (REE) composition of seawater. <i>Earth and Planetary Science Letters</i> , 2013, 369-370, 138-147.	1.8	122
95	Do organic ligands affect forsterite dissolution rates?. <i>Applied Geochemistry</i> , 2013, 39, 69-77.	1.4	33
96	Does temperature or runoff control the feedback between chemical denudation and climate? Insights from NE Iceland. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 107, 65-81.	1.6	49
97	Experimental determination of rhyolitic glass dissolution rates at 40–200°C and 2pH10.1. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 100, 251-263.	1.6	37
98	Do carbonate precipitates affect dissolution kinetics?. <i>Chemical Geology</i> , 2013, 337-338, 56-66.	1.4	47
99	The Dissolution Rates of SiO ₂ Nanoparticles As a Function of Particle Size. <i>Environmental Science & Technology</i> , 2012, 46, 4909-4915.	4.6	80
100	Does the presence of heterotrophic bacterium <i>Pseudomonas reactans</i> affect basaltic glass dissolution rates?. <i>Chemical Geology</i> , 2012, 296-297, 1-18.	1.4	30
101	Experimental quantification of the effect of Mg on calcite aqueous fluid oxygen isotope fractionation. <i>Chemical Geology</i> , 2012, 310-311, 97-105.	1.4	39
102	Magnesium isotope fractionation during hydrous magnesium carbonate precipitation with and without cyanobacteria. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 76, 161-174.	1.6	93
103	An experimental study of the interaction of basaltic riverine particulate material and seawater. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 77, 108-120.	1.6	68
104	An experimental study of magnesite precipitation rates at neutral to alkaline conditions and 100–200°C as a function of pH, aqueous solution composition and chemical affinity. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 83, 93-109.	1.6	105
105	Isotopic fractionation during congruent dissolution, precipitation and at equilibrium: Evidence from Mg isotopes. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 92, 170-183.	1.6	101
106	Riverine particulate material dissolution in seawater and its implications for the global cycles of the elements. <i>Comptes Rendus - Geoscience</i> , 2012, 344, 646-651.	0.4	39
107	Can accurate kinetic laws be created to describe chemical weathering?. <i>Comptes Rendus - Geoscience</i> , 2012, 344, 568-585.	0.4	51
108	Riverine particulate material dissolution as a significant flux of strontium to the oceans. <i>Earth and Planetary Science Letters</i> , 2012, 355-356, 51-59.	1.8	66

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109	Ocean margins: The missing term in oceanic element budgets?. <i>Eos</i> , 2011, 92, 217-218.	0.1	80
110	Water: Is There a Global Crisis?. <i>Elements</i> , 2011, 7, 157-162.	0.5	67
111	Experimental determination of struvite dissolution and precipitation rates as a function of pH. <i>Applied Geochemistry</i> , 2011, 26, 921-928.	1.4	27
112	Is silt the most influential soil grain size fraction?. <i>Applied Geochemistry</i> , 2011, 26, S119-S122.	1.4	5
113	Does runoff or temperature control chemical weathering rates?. <i>Applied Geochemistry</i> , 2011, 26, S346-S349.	1.4	13
114	The role of riverine particulate material on the global cycles of the elements. <i>Applied Geochemistry</i> , 2011, 26, S365-S369.	1.4	62
115	Do carbonate precipitates affect dissolution kinetics? 1: Basaltic glass. <i>Chemical Geology</i> , 2011, 284, 306-316.	1.4	74
116	Does variscite control phosphate availability in acidic natural waters? An experimental study of variscite dissolution rates. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 416-426.	1.6	14
117	Do organic ligands affect calcite dissolution rates?. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 1799-1813.	1.6	43
118	Dissolution of basalts and peridotite in seawater, in the presence of ligands, and CO ₂ : Implications for mineral sequestration of carbon dioxide. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 5510-5525.	1.6	92
119	An experimental study of crystalline basalt dissolution from 2 \pm 1/2 pH \pm 1/2 11 and temperatures from 5 to 75 \pm 1/2 $^{\circ}$ C. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 5496-5509.	1.6	158
120	The direct precipitation of rhabdophane (RE ₂ PO ₄ \cdot nH ₂ O) nano-rods from acidic aqueous solutions at 5 \pm 1/2 $^{\circ}$ C. <i>Journal of Nanoparticle Research</i> , 2011, 13, 4049-4062.	0.8	38
121	Geochemistry and Behavior of Trace Elements During the Complete Evaporation of the Merouane Chott Ephemeral Lake: Southeast Algeria. <i>Aquatic Geochemistry</i> , 2011, 17, 51-70.	1.5	9
122	The effect of dissolved sulphate on calcite precipitation kinetics and consequences for subsurface CO ₂ storage. <i>Energy Procedia</i> , 2011, 4, 5037-5043.	1.8	19
123	The CarbFix Pilot Project – Storing carbon dioxide in basalt. <i>Energy Procedia</i> , 2011, 4, 5579-5585.	1.8	101
124	Mineral sequestration of carbon dioxide in basalt: A pre-injection overview of the CarbFix project. <i>International Journal of Greenhouse Gas Control</i> , 2010, 4, 537-545.	2.3	294
125	Do photosynthetic bacteria have a protective mechanism against carbonate precipitation at their surfaces?. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 1329-1337.	1.6	47
126	An experimental study of magnesite dissolution rates at neutral to alkaline conditions and 150 and 200 \pm 1/2 $^{\circ}$ C as a function of pH, total dissolved carbonate concentration, and chemical affinity. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 6344-6356.	1.6	37

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127	An experimental study of lake water-sediment interaction rates. <i>Comptes Rendus - Geoscience</i> , 2010, 342, 126-135.	0.4	6
128	The effect of aqueous sulphate on basaltic glass dissolution rates. <i>Chemical Geology</i> , 2010, 277, 345-354.	1.4	44
129	6. The Link Between Mineral Dissolution/Precipitation Kinetics and Solution Chemistry. , 2009, , 207-258.		20
130	1. Thermodynamic Databases for Water-Rock Interaction. , 2009, , 1-46.		11
131	Permanent Carbon Dioxide Storage into Basalt: The CarbFix Pilot Project, Iceland. <i>Energy Procedia</i> , 2009, 1, 3641-3646.	1.8	99
132	Direct evidence of the feedback between climate and weathering. <i>Earth and Planetary Science Letters</i> , 2009, 277, 213-222.	1.8	310
133	The surface chemistry of multi-oxide silicates. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 4617-4634.	1.6	110
134	Magnesite growth rates as a function of temperature and saturation state. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 5646-5657.	1.6	216
135	Chemical evolution of the Mt. Hekla, Iceland, groundwaters: A natural analogue for CO ₂ sequestration in basaltic rocks. <i>Applied Geochemistry</i> , 2009, 24, 463-474.	1.4	87
136	Precipitation of Iron and Aluminum Phosphates Directly from Aqueous Solution as a Function of Temperature from 50 to 200 Å°C. <i>Crystal Growth and Design</i> , 2009, 9, 5197-5205.	1.4	55
137	Surface charge and zeta-potential of metabolically active and dead cyanobacteria. <i>Journal of Colloid and Interface Science</i> , 2008, 323, 317-325.	5.0	87
138	Carbon Dioxide Sequestration A Solution to a Global Problem. <i>Elements</i> , 2008, 4, 305-310.	0.5	198
139	Mineral Carbonation of CO ₂ . <i>Elements</i> , 2008, 4, 333-337.	0.5	474
140	Mineral precipitation rates during the complete evaporation of the Merouane Chott ephemeral lake. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 1583-1597.	1.6	24
141	An experimental study of the dissolution mechanism and rates of muscovite. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 4948-4961.	1.6	119
142	Phosphate Mineral Reactivity and Global Sustainability. <i>Elements</i> , 2008, 4, 83-87.	0.5	138
143	Phosphates and Nuclear Waste Storage. <i>Elements</i> , 2008, 4, 113-116.	0.5	129
144	Macro- to nanoscale study of the effect of aqueous sulphate on calcite growth. <i>Mineralogical Magazine</i> , 2008, 72, 141-144.	0.6	2

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145	The feedback between climate and weathering. <i>Mineralogical Magazine</i> , 2008, 72, 317-320.	0.6	9
146	The effect of aqueous sulphate on basaltic glass dissolution rates. <i>Mineralogical Magazine</i> , 2008, 72, 39-41.	0.6	13
147	Phosphate mineral reactivity: from global cycles to sustainable development. <i>Mineralogical Magazine</i> , 2008, 72, 337-340.	0.6	29
148	Dissolution rates of crystalline basalt at pH 4 and 10 and 25-75°C. <i>Mineralogical Magazine</i> , 2008, 72, 155-158.	0.6	23
149	Variscite dissolution rates in aqueous solution: does variscite control the availability of phosphate in acidic natural waters?. <i>Mineralogical Magazine</i> , 2008, 72, 349-351.	0.6	4
150	Dissolution of diopside and basaltic glass: the effect of carbonate coating. <i>Mineralogical Magazine</i> , 2008, 72, 135-139.	0.6	36
151	An experimental study of dolomite dissolution rates at 80°C as a function of chemical affinity and solution composition. <i>Chemical Geology</i> , 2007, 242, 509-517.	1.4	45
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