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List of Publications by Year in descending order

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78
papers

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71102

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docs citations

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times ranked

3229
citing authors

#	ARTICLE	IF	CITATIONS
1	Osmium and lithium isotope evidence for weathering feedbacks linked to orbitally paced organic carbon burial and Silurian glaciations. <i>Earth and Planetary Science Letters</i> , 2022, 577, 117260.	4.4	15
2	The Dissolution of Olivine Added to Soil at 4°C: Implications for Enhanced Weathering in Cold Regions. <i>Frontiers in Climate</i> , 2022, 4, .	2.8	12
3	Calcium isotopes tracing secondary mineral formation in the high-relief Yalong River Basin, Southeast Tibetan Plateau. <i>Science of the Total Environment</i> , 2022, 827, 154315.	8.0	10
4	Lithium isotope behaviour during basalt weathering experiments amended with organic acids. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 328, 37-57.	3.9	11
5	Experimental Investigation of Oxide Leaching Methods for Li Isotopes. <i>Geostandards and Geoanalytical Research</i> , 2022, 46, 493-518.	3.1	5
6	The lithium and magnesium isotope signature of olivine dissolution in soil experiments. <i>Chemical Geology</i> , 2021, 560, 120008.	3.3	9
7	Tourmaline Reference Materials for the <i>In Situ</i> Analysis of Oxygen and Lithium Isotope Ratio Compositions. <i>Geostandards and Geoanalytical Research</i> , 2021, 45, 97-119.	3.1	10
8	A lithium-isotope perspective on the evolution of carbon and silicon cycles. <i>Nature</i> , 2021, 595, 394-398.	27.8	56
9	Was climatic cooling during the earliest Carboniferous driven by expansion of seed plants?. <i>Earth and Planetary Science Letters</i> , 2021, 565, 116953.	4.4	33
10	Inclusion of a suite of weathering tracers in the cGENIE Earth system model “muffin release v.0.9.23. <i>Geoscientific Model Development</i> , 2021, 14, 4187-4223.	3.6	0
11	Lithium isotopes and partition coefficients in inorganic carbonates: Proxy calibration for weathering reconstruction. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 305, 243-262.	3.9	17
12	Seasonal variability in silicate weathering signatures recorded by Li isotopes in cave drip-waters. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 312, 194-216.	3.9	9
13	The lithium isotope response to the variable weathering of soils in Iceland. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 313, 55-73.	3.9	11
14	Lithium isotope evidence for enhanced weathering and erosion during the Paleocene-Eocene Thermal Maximum. <i>Science Advances</i> , 2021, 7, eabh4224.	10.3	44
15	Ca isotope constraints on chemical weathering processes: Evidence from headwater in the Changjiang River, China. <i>Chemical Geology</i> , 2020, 531, 119341.	3.3	23
16	Exploring the importance of authigenic clay formation in the global Li cycle. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 289, 47-68.	3.9	29
17	Lithium and Lithium Isotopes in Earth’s Surface Cycles. <i>Elements</i> , 2020, 16, 253-258.	0.5	67
18	Ge and Si Isotope Behavior During Intense Tropical Weathering and Ecosystem Cycling. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2019GB006522.	4.9	12

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19	Reconstructing Tonian seawater $^{87}\text{Sr}/^{86}\text{Sr}$ using calcite microspar. <i>Geology</i> , 2020, 48, 462-467.	4.4	45
20	Deep fluid release in warm subduction zones from a breached slab seal. <i>Earth and Planetary Science Letters</i> , 2020, 534, 116046.	4.4	13
21	Hydrothermal and Cold Spring Water and Primary Productivity Effects on Magnesium Isotopes: Lake Myvatn, Iceland. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	4
22	Assessing bulk carbonates as archives for seawater Li isotope ratios. <i>Chemical Geology</i> , 2019, 530, 119338.	3.3	39
23	The Response of Magnesium, Silicon, and Calcium Isotopes to Rapidly Uplifting and Weathering Terrains: South Island, New Zealand. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	17
24	Using Mg Isotopes to Estimate Natural Calcite Compositions and Precipitation Rates During the 2010 Eyjafjallajökull Eruption. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	14
25	Experimental determination of Li isotope behaviour during basalt weathering. <i>Chemical Geology</i> , 2019, 517, 34-43.	3.3	50
26	Possible links between extreme oxygen perturbations and the Cambrian radiation of animals. <i>Nature Geoscience</i> , 2019, 12, 468-474.	12.9	96
27	Rapid CO_2 mineralisation into calcite at the CarbFix storage site quantified using calcium isotopes. <i>Nature Communications</i> , 2019, 10, 1983.	12.8	68
28	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.	3.3	30
29	Using stable Mg isotope signatures to assess the fate of magnesium during the in situ mineralisation of CO_2 and H_2S at the CarbFix site in SW-Iceland. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 245, 542-555.	3.9	27
30	Li isotopes in the middle Yellow River: Seasonal variability, sources and fractionation. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 248, 88-108.	3.9	57
31	Tracing silicate weathering processes in the permafrost-dominated Lena River watershed using lithium isotopes. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 245, 154-171.	3.9	64
32	Uranium isotope evidence for two episodes of deoxygenation during Oceanic Anoxic Event 2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2918-2923.	7.1	100
33	Mg Isotope Interlaboratory Comparison of Reference Materials from Earth's Surface Low-Temperature Environments. <i>Geostandards and Geoanalytical Research</i> , 2018, 42, 205-221.	3.1	35
34	The Li isotope composition of marine biogenic carbonates: Patterns and mechanisms. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 236, 315-335.	3.9	54
35	Lithium isotopes in speleothems: Temperature-controlled variation in silicate weathering during glacial cycles. <i>Earth and Planetary Science Letters</i> , 2017, 469, 64-74.	4.4	39
36	Continental weathering and terrestrial (oxyhydr)oxide export: Comparing glacial and non-glacial catchments in Iceland. <i>Chemical Geology</i> , 2017, 462, 55-66.	3.3	13

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37	Lithium isotope behaviour during weathering in the Ganges Alluvial Plain. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 198, 17-31.	3.9	78
38	The boron and lithium isotopic composition of mid-ocean ridge basalts and the mantle. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 207, 102-138.	3.9	195
39	The influence of critical zone processes on the Mg isotope budget in a tropical, highly weathered andesitic catchment. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 202, 77-100.	3.9	52
40	On the use of Li isotopes as a proxy for water-rock interaction in fractured crystalline rocks: A case study from the Gotthard rail base tunnel. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 198, 396-418.	3.9	16
41	Magnesium isotope evidence that accretional vapour loss shapes planetary compositions. <i>Nature</i> , 2017, 549, 511-515.	27.8	129
42	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.	3.3	30
43	Links between deformation, chemical enrichments and Li-isotope compositions in the lithospheric mantle of the central Siberian craton. <i>Chemical Geology</i> , 2017, 475, 105-121.	3.3	26
44	Measuring the "Great Unconformity"™ on the North China Craton using new detrital zircon age data. <i>Geological Society Special Publication</i> , 2017, 448, 145-159.	1.3	43
45	The effect of shell secretion rate on Mg‰/Ca and Sr‰/Ca ratios in biogenic calcite as observed in a belemnite rostrum. <i>Biogeosciences</i> , 2017, 14, 89-97.	3.3	10
46	The effect of hydrothermal spring weathering processes and primary productivity on lithium isotopes: Lake Myvatn, Iceland. <i>Chemical Geology</i> , 2016, 445, 4-13.	3.3	62
47	Interlaboratory comparison of magnesium isotopic compositions of 12 felsic to ultramafic igneous rock standards analyzed by MC^{ICPMS} . <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 3197-3209.	2.5	34
48	The influence of melt infiltration on the Li and Mg isotopic composition of the Horoman Peridotite Massif. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 164, 318-332.	3.9	75
49	Selenium isotope evidence for progressive oxidation of the Neoproterozoic biosphere. <i>Nature Communications</i> , 2015, 6, 10157.	12.8	72
50	Lithium-isotope evidence for enhanced silicate weathering during OAE 1a (Early Aptian Selli event). <i>Earth and Planetary Science Letters</i> , 2015, 432, 210-222.	4.4	94
51	Extreme Magnesium Isotope Fractionation at Outcrop Scale Records the Mechanism and Rate at which Reaction Fronts Advance. <i>Journal of Petrology</i> , 2015, 56, 33-58.	2.8	53
52	The dissolution of olivine added to soil: Implications for enhanced weathering. <i>Applied Geochemistry</i> , 2015, 61, 109-118.	3.0	99
53	The Li isotope response to mountain uplift. <i>Geology</i> , 2015, 43, 67-70.	4.4	91
54	Modern and Cenozoic records of seawater magnesium from foraminiferal Mg isotopes. <i>Biogeosciences</i> , 2014, 11, 5155-5168.	3.3	64

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55	Analysis of mass dependent and mass independent selenium isotope variability in black shales. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 1648-1659.	3.0	23
56	Controls on the Mg Cycle in the Tropics: Insights from a Case Study at the Luquillo Critical Zone Observatory. <i>Procedia Earth and Planetary Science</i> , 2014, 10, 200-203.	0.6	8
57	Chemical weathering processes in the Great Artesian Basin: Evidence from lithium and silicon isotopes. <i>Earth and Planetary Science Letters</i> , 2014, 406, 24-36.	4.4	66
58	Li Isotope Behaviour in the Low Salinity Zone During Estuarine Mixing. <i>Procedia Earth and Planetary Science</i> , 2014, 10, 204-207.	0.6	5
59	Quantifying the impact of riverine particulate dissolution in seawater on ocean chemistry. <i>Earth and Planetary Science Letters</i> , 2014, 395, 91-100.	4.4	45
60	Continental weathering following a Cryogenian glaciation: Evidence from calcium and magnesium isotopes. <i>Earth and Planetary Science Letters</i> , 2014, 396, 66-77.	4.4	84
61	Lithium isotope evidence for enhanced weathering during Oceanic Anoxic Event 2. <i>Nature Geoscience</i> , 2013, 6, 668-672.	12.9	282
62	Partial diagenetic overprint of Late Jurassic belemnites from New Zealand: Implications for the preservation potential of $\delta^{7}\text{Li}$ values in calcite fossils. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 120, 80-96.	3.9	63
63	Riverine silicon isotope variations in glaciated basaltic terrains: Implications for the Si delivery to the ocean over glacial-interglacial intervals. <i>Earth and Planetary Science Letters</i> , 2013, 369-370, 211-219.	4.4	50
64	The stable calcium isotopic composition of rivers draining basaltic catchments in Iceland. <i>Earth and Planetary Science Letters</i> , 2013, 374, 173-184.	4.4	43
65	Lithium, magnesium and silicon isotope behaviour accompanying weathering in a basaltic soil and pore water profile in Iceland. <i>Earth and Planetary Science Letters</i> , 2012, 339-340, 11-23.	4.4	172
66	Lithium and its isotopes as tracers of subduction zone fluids and metasomatic processes: Evidence from the Catalina Schist, California, USA. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 77, 530-545.	3.9	84
67	Variations of Li and Mg isotope ratios in bulk chondrites and mantle xenoliths. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 5247-5268.	3.9	252
68	Transport and exchange of U-series nuclides between suspended material, dissolved load and colloids in rivers draining basaltic terrains. <i>Earth and Planetary Science Letters</i> , 2011, 301, 125-136.	4.4	18
69	A secondary ion mass spectrometry (SIMS) re-evaluation of B and Li isotopic compositions of Cu-bearing elbaite from three global localities. <i>Mineralogical Magazine</i> , 2011, 75, 2485-2494.	1.4	30
70	Boron and magnesium isotopic composition of seawater. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	2.5	332
71	The behaviour of Li and Mg isotopes during primary phase dissolution and secondary mineral formation in basalt. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 5259-5279.	3.9	214
72	Molybdenum isotope behaviour accompanying weathering and riverine transport in a basaltic terrain. <i>Earth and Planetary Science Letters</i> , 2010, 295, 104-114.	4.4	101

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73	Assessing the role of climate on uranium and lithium isotope behaviour in rivers draining a basaltic terrain. <i>Chemical Geology</i> , 2010, 270, 227-239.	3.3	109
74	Precise magnesium isotope measurements in core top planktic and benthic foraminifera. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	92
75	Lithium, magnesium and uranium isotope behaviour in the estuarine environment of basaltic islands. <i>Earth and Planetary Science Letters</i> , 2008, 274, 462-471.	4.4	112
76	The influence of weathering processes on riverine magnesium isotopes in a basaltic terrain. <i>Earth and Planetary Science Letters</i> , 2008, 276, 187-197.	4.4	209
77	The lithium isotopic composition of orogenic eclogites and deep subducted slabs. <i>Earth and Planetary Science Letters</i> , 2007, 262, 563-580.	4.4	192
78	Riverine behaviour of uranium and lithium isotopes in an actively glaciated basaltic terrain. <i>Earth and Planetary Science Letters</i> , 2006, 251, 134-147.	4.4	172