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List of Publications by Year
in descending order

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35 papers	3,193 citations	201674 27 h-index	361022 35 g-index
35 all docs	35 docs citations	35 times ranked	2389 citing authors

#	Article	IF	Citations
1	Silicon in the Earthâ€™s core. Nature, 2007, 447, 1102-1106.	27.8	278
2	New sample preparation techniques for the determination of Si isotopic compositions using MC-ICPMS. Chemical Geology, 2006, 235, 95-104.	3.3	275
3	Tracing the origin of dissolved silicon transferred from various soil-plant systems towards rivers: a review. Biogeosciences, 2011, 8, 89-112.	3.3	227
4	An inter-laboratory comparison of Si isotope reference materials. Journal of Analytical Atomic Spectrometry, 2007, 22, 561-568.	3.0	224
5	Silicon isotope variations accompanying basalt weathering in Iceland. Earth and Planetary Science Letters, 2007, 261, 476-490.	4.4	179
6	Isotopic fractionation of the major elements of molten basalt by chemical and thermal diffusion. Geochimica Et Cosmochimica Acta, 2009, 73, 4250-4263.	3.9	157
7	Mechanisms controlling the silicon isotopic compositions of river waters. Earth and Planetary Science Letters, 2006, 249, 290-306.	4.4	152
8	Silicon isotope fractionation during magmatic differentiation. Geochimica Et Cosmochimica Acta, 2011, 75, 6124-6139.	3.9	137
9	Silicon isotope homogeneity in the mantle. Earth and Planetary Science Letters, 2010, 295, 139-146.	4.4	136
10	Silicon isotopes in lunar rocks: Implications for the Moonâ€™s formation and the early history of the Earth. Geochimica Et Cosmochimica Acta, 2012, 77, 504-514.	3.9	130
11	Silicon isotopes in meteorites and planetary core formation. Geochimica Et Cosmochimica Acta, 2011, 75, 3662-3676.	3.9	116
12	Magnesium retention on the soil exchange complex controlling Mg isotope variations in soils, soil solutions and vegetation in volcanic soils, Iceland. Geochimica Et Cosmochimica Acta, 2014, 125, 110-130.	3.9	99
13	Stable silicon isotopes of groundwater, feldspars, and clay coatings in the Navajo Sandstone aquifer, Black Mesa, Arizona, USA. Geochimica Et Cosmochimica Acta, 2009, 73, 2229-2241.	3.9	98
14	Hafnium and neodymium isotopes in surface waters of the eastern Atlantic Ocean: Implications for sources and inputs of trace metals to the ocean. Geochimica Et Cosmochimica Acta, 2010, 74, 540-557.	3.9	97
15	Silicon fluxes and isotope composition of direct groundwater discharge into the Bay of Bengal and the effect on the global ocean silicon isotope budget. Earth and Planetary Science Letters, 2009, 283, 67-74.	4.4	91
16	The silicon isotope composition of the upper continental crust. Geochimica Et Cosmochimica Acta, 2013, 109, 384-399.	3.9	88
17	Environmental effects of ashfall in Argentina from the 2008 ChaitÃ©n volcanic eruption. Journal of Volcanology and Geothermal Research, 2009, 184, 462-472.	2.1	85
18	The silicon isotope composition of granites. Geochimica Et Cosmochimica Acta, 2012, 92, 184-202.	3.9	82

#	Article	IF	Citations
19	Deep ocean nutrients during the Last Glacial Maximum deduced from sponge silicon isotopic compositions. Earth and Planetary Science Letters, 2010, 292, 290-300.	4.4	77
20	A nebula setting as the origin for bulk chondrule Fe isotope variations in CV chondrites. Earth and Planetary Science Letters, 2010, 296, 423-433.	4.4	47
21	Silicon isotopes in Antarctic sponges: an interlaboratory comparison. Antarctic Science, 2011, 23, 34-42.	0.9	46
22	Re-assessment of silicon isotope reference materials using high-resolution multi-collector ICP-MS. Journal of Analytical Atomic Spectrometry, 2006, 21, 266.	3.0	44
23	Experimental evaporation of Mg- and Si-rich melts: Implications for the origin and evolution of FUN CAIs. Geochimica Et Cosmochimica Acta, 2013, 123, 368-384.	3.9	39
24	Silicon isotopes in granulite xenoliths: Insights into isotopic fractionation during igneous processes and the composition of the deep continental crust. Earth and Planetary Science Letters, 2013, 365, 221-231.	4.4	36
25	Matrix effects in the analysis of Mg and Si isotope ratios in natural and synthetic glasses by laser ablation-multicollector ICPMS: A comparison of single- and double-focusing mass spectrometers. Chemical Geology, 2011, 281, 26-40.	3.3	35
26	Experimental calibration of silicon and oxygen isotope fractionations between quartz and water at 250 Â°C by in situ microanalysis of experimental products and application to zoned low Î´30Si quartz overgrowths. Chemical Geology, 2016, 421, 127-142.	3.3	35
27	Resolving the gap between laboratory and field rates of feldspar weathering. Geochimica Et Cosmochimica Acta, 2014, 147, 90-106.	3.9	32
28	Is the marine osmium isotope record a probe for CO2 release from sedimentary rocks?. Earth and Planetary Science Letters, 2013, 367, 28-38.	4.4	28
29	Controls on the incongruent release of hafnium during weathering of metamorphic and sedimentary catchments. Geochimica Et Cosmochimica Acta, 2013, 101, 263-284.	3.9	27
30	Ge and Si isotope signatures in rivers: A quantitative multi-proxy approach. Earth and Planetary Science Letters, 2018, 503, 194-215.	4.4	27
31	Silicon isotopes in allophane as a proxy for mineral formation in volcanic soils. Applied Geochemistry, 2011, 26, S115-S118.	3.0	25
32	Measuring silicate mineral dissolution rates using Si isotope doping. Chemical Geology, 2016, 445, 146-163.	3.3	21
33	The effect of hydride formation on instrumental mass discrimination in MC-ICP-MS: a case study of mercury (Hg) and thallium (Tl) isotopes. Journal of Analytical Atomic Spectrometry, 2015, 30, 1935-1944.	3.0	16
34	Pore fluid modeling approach to identify recent meltwater signals on the west Antarctic Peninsula. Geochemistry, Geophysics, Geosystems, 2010, 11, .	2.5	4
35	The accretion and differentiation of Earth under oxidizing conditions. American Mineralogist, 2015, 100, 2739-2748.	1.9	3