

Bastian Georg

List of Publications by Year in descending order

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Version: 2024-02-01

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	Ge and Si isotope signatures in rivers: A quantitative multi-proxy approach. <i>Earth and Planetary Science Letters</i> , 2018, 503, 194-215.	4.4	27
2	Measuring silicate mineral dissolution rates using Si isotope doping. <i>Chemical Geology</i> , 2016, 445, 146-163.	3.3	21
3	Experimental calibration of silicon and oxygen isotope fractionations between quartz and water at 250 Å°C by in situ microanalysis of experimental products and application to zoned low ¹³⁰ Si quartz overgrowths. <i>Chemical Geology</i> , 2016, 421, 127-142.	3.3	35
4	The effect of hydride formation on instrumental mass discrimination in MC-ICP-MS: a case study of mercury (Hg) and thallium (Tl) isotopes. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 1935-1944.	3.0	16
5	The accretion and differentiation of Earth under oxidizing conditions. <i>American Mineralogist</i> , 2015, 100, 2739-2748.	1.9	3
6	Resolving the gap between laboratory and field rates of feldspar weathering. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 147, 90-106.	3.9	32
7	Magnesium retention on the soil exchange complex controlling Mg isotope variations in soils, soil solutions and vegetation in volcanic soils, Iceland. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 125, 110-130.	3.9	99
8	The silicon isotope composition of the upper continental crust. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 109, 384-399.	3.9	88
9	Is the marine osmium isotope record a probe for CO2 release from sedimentary rocks?. <i>Earth and Planetary Science Letters</i> , 2013, 367, 28-38.	4.4	28
10	Experimental evaporation of Mg- and Si-rich melts: Implications for the origin and evolution of FUN CAIs. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 123, 368-384.	3.9	39
11	Silicon isotopes in granulite xenoliths: Insights into isotopic fractionation during igneous processes and the composition of the deep continental crust. <i>Earth and Planetary Science Letters</i> , 2013, 365, 221-231.	4.4	36
12	Controls on the incongruent release of hafnium during weathering of metamorphic and sedimentary catchments. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 101, 263-284.	3.9	27
13	Silicon isotopes in lunar rocks: Implications for the Moon's formation and the early history of the Earth. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 77, 504-514.	3.9	130
14	The silicon isotope composition of granites. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 92, 184-202.	3.9	82
15	Silicon isotopes in allophane as a proxy for mineral formation in volcanic soils. <i>Applied Geochemistry</i> , 2011, 26, S115-S118.	3.0	25
16	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. <i>Chemical Geology</i> , 2011, 281, 26-40.	3.3	35
17	Silicon isotopes in meteorites and planetary core formation. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 3662-3676.	3.9	116
18	Silicon isotope fractionation during magmatic differentiation. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 6124-6139.	3.9	137

#	ARTICLE	IF	CITATIONS
19	Silicon isotopes in Antarctic sponges: an interlaboratory comparison. <i>Antarctic Science</i> , 2011, 23, 34-42.	0.9	46
20	Tracing the origin of dissolved silicon transferred from various soil-plant systems towards rivers: a review. <i>Biogeosciences</i> , 2011, 8, 89-112.	3.3	227
21	Pore fluid modeling approach to identify recent meltwater signals on the west Antarctic Peninsula. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	2.5	4
22	Hafnium and neodymium isotopes in surface waters of the eastern Atlantic Ocean: Implications for sources and inputs of trace metals to the ocean. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 540-557.	3.9	97
23	Deep ocean nutrients during the Last Glacial Maximum deduced from sponge silicon isotopic compositions. <i>Earth and Planetary Science Letters</i> , 2010, 292, 290-300.	4.4	77
24	Silicon isotope homogeneity in the mantle. <i>Earth and Planetary Science Letters</i> , 2010, 295, 139-146.	4.4	136
25	A nebula setting as the origin for bulk chondrule Fe isotope variations in CV chondrites. <i>Earth and Planetary Science Letters</i> , 2010, 296, 423-433.	4.4	47
26	Environmental effects of ashfall in Argentina from the 2008 Chait�n volcanic eruption. <i>Journal of Volcanology and Geothermal Research</i> , 2009, 184, 462-472.	2.1	85
27	Silicon fluxes and isotope composition of direct groundwater discharge into the Bay of Bengal and the effect on the global ocean silicon isotope budget. <i>Earth and Planetary Science Letters</i> , 2009, 283, 67-74.	4.4	91
28	Stable silicon isotopes of groundwater, feldspars, and clay coatings in the Navajo Sandstone aquifer, Black Mesa, Arizona, USA. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 2229-2241.	3.9	98
29	Isotopic fractionation of the major elements of molten basalt by chemical and thermal diffusion. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 4250-4263.	3.9	157
30	Silicon isotope variations accompanying basalt weathering in Iceland. <i>Earth and Planetary Science Letters</i> , 2007, 261, 476-490.	4.4	179
31	An inter-laboratory comparison of Si isotope reference materials. <i>Journal of Analytical Atomic Spectrometry</i> , 2007, 22, 561-568.	3.0	224
32	Silicon in the Earth's core. <i>Nature</i> , 2007, 447, 1102-1106.	27.8	278
33	Re-assessment of silicon isotope reference materials using high-resolution multi-collector ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2006, 21, 266.	3.0	44
34	Mechanisms controlling the silicon isotopic compositions of river waters. <i>Earth and Planetary Science Letters</i> , 2006, 249, 290-306.	4.4	152
35	New sample preparation techniques for the determination of Si isotopic compositions using MC-ICPMS. <i>Chemical Geology</i> , 2006, 235, 95-104.	3.3	275