

Shaun T Brown

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,195
citations

331670

21
h-index

501196

28
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29
all docs

29
docs citations

29
times ranked

1633
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence for end-Permian ocean acidification from calcium isotopes in biogenic apatite. <i>Geology</i> , 2012, 40, 743-746.	4.4	139
2	The Role of Subducted Basalt in the Source of Island Arc Magmas: Evidence from Seafloor Lavas of the Western Aleutians. <i>Journal of Petrology</i> , 2015, 56, 441-492.	2.8	96
3	In Situ Long-Term Reductive Bioimmobilization of Cr(VI) in Groundwater Using Hydrogen Release Compound. <i>Environmental Science & Technology</i> , 2008, 42, 8478-8485.	10.0	86
4	Pb Isotopes as an Indicator of the Asian Contribution to Particulate Air Pollution in Urban California. <i>Environmental Science & Technology</i> , 2010, 44, 8911-8916.	10.0	79
5	Uranium isotope fractionation by abiotic reductive precipitation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8688-8693.	7.1	76
6	Constraining the cause of the end-Guadalupian extinction with coupled records of carbon and calcium isotopes. <i>Earth and Planetary Science Letters</i> , 2014, 396, 201-212.	4.4	74
7	Differential Isotopic Fractionation during Cr(VI) Reduction by an Aquifer-Derived Bacterium under Aerobic versus Denitrifying Conditions. <i>Applied and Environmental Microbiology</i> , 2012, 78, 2462-2464.	3.1	57
8	Subduction controls of Hf and Nd isotopes in lavas of the Aleutian island arc. <i>Earth and Planetary Science Letters</i> , 2010, 300, 226-238.	4.4	55
9	Isotopic and Geochemical Tracers for U(VI) Reduction and U Mobility at an in Situ Recovery U Mine. <i>Environmental Science & Technology</i> , 2015, 49, 5939-5947.	10.0	47
10	Effect of paleoseawater composition on hydrothermal exchange in midocean ridges. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 12413-12418.	7.1	47
11	Potassium and Calcium Isotopic Fractionation by Plants (Soybean [<i>Glycine max</i>], Rice [<i>Oryza</i>]). <i>ETQq1</i> 1,0784314, <i>rgBT /Ove</i> 2.7, 41	2.7	41
12	The influence of seawater carbonate chemistry, mineralogy, and diagenesis on calcium isotope variations in Lower-Middle Triassic carbonate rocks. <i>Chemical Geology</i> , 2017, 471, 13-37.	3.3	37
13	Technical Note: Calcium and carbon stable isotope ratios as paleodietary indicators. <i>American Journal of Physical Anthropology</i> , 2014, 154, 633-643.	2.1	34
14	Isotopic Evidence for Reductive Immobilization of Uranium Across a Roll-Front Mineral Deposit. <i>Environmental Science & Technology</i> , 2016, 50, 6189-6198.	10.0	34
15	Additive effects of acidification and mineralogy on calcium isotopes in Triassic/Jurassic boundary limestones. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 113-124.	2.5	33
16	Global perturbation of the marine calcium cycle during the Permian-Triassic transition. <i>Bulletin of the Geological Society of America</i> , 2018, 130, 1323-1338.	3.3	33
17	Ca, Sr, O and D isotope approach to defining the chemical evolution of hydrothermal fluids: Example from Long Valley, CA, USA. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 122, 209-225.	3.9	32
18	Characterization of cores from an in-situ recovery mined uranium deposit in Wyoming: Implications for post-mining restoration. <i>Chemical Geology</i> , 2014, 390, 32-45.	3.3	30

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19	Sr and O isotopes in western Aleutian seafloor lavas: Implications for the source of fluids and trace element character of arc volcanic rocks. <i>Earth and Planetary Science Letters</i> , 2017, 475, 169-180.	4.4	28
20	Isotopic Gradients Across Fluid-Mineral Boundaries. <i>Reviews in Mineralogy and Geochemistry</i> , 2015, 80, 355-391.	4.8	23
21	Using strontium isotopes to evaluate the spatial variation of groundwater recharge. <i>Science of the Total Environment</i> , 2018, 637-638, 672-685.	8.0	23
22	Reconstructing the oxygen isotope composition of late Cambrian and Cretaceous hydrothermal vent fluid. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 123, 440-458.	3.9	21
23	Calcium Isotopes as Tracers of Biogeochemical Processes. <i>Advances in Isotope Geochemistry</i> , 2012, , 105-124.	1.4	15
24	Se Isotopes as Groundwater Redox Indicators: Detecting Natural Attenuation of Se at an in Situ Recovery U Mine. <i>Environmental Science & Technology</i> , 2016, 50, 10833-10842.	10.0	13
25	High-temperature kinetic isotope fractionation of calcium in epidiosites from modern and ancient seafloor hydrothermal systems. <i>Earth and Planetary Science Letters</i> , 2020, 535, 116101.	4.4	11
26	Thermodynamic controls on redox-driven kinetic stable isotope fractionation. <i>Geochemical Perspectives Letters</i> , 0, , 20-25.	5.0	10
27	Chromium isotope fractionation during reduction of Chromium(VI) by Iron(II/III)-bearing clay minerals. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 292, 235-253.	3.9	8
28	Unraveling the sources of ground level ozone in the Intermountain Western United States using Pb isotopes. <i>Science of the Total Environment</i> , 2015, 530-531, 519-525.	8.0	7
29	Mineralogical, nanostructural, and Ca isotopic evidence for non-classical calcium phosphate mineralization at circum-neutral pH. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 241, 255-271.	3.9	6