

Jane Barling

List of Publications by Year in descending order

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37
papers

4,420
citations

236925

25
h-index

345221

36
g-index

38
all docs

38
docs citations

38
times ranked

3182
citing authors

#	ARTICLE	IF	CITATIONS
1	High-precision isotopic characterization of USGS reference materials by TIMS and MC-ICP-MS. <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	2.5	700
2	Molybdenum Isotope Evidence for Widespread Anoxia in Mid-Proterozoic Oceans. <i>Science</i> , 2004, 304, 87-90.	12.6	605
3	Natural mass-dependent variations in the isotopic composition of molybdenum. <i>Earth and Planetary Science Letters</i> , 2001, 193, 447-457.	4.4	381
4	Molybdenum isotope fractionation during adsorption by manganese oxides. <i>Earth and Planetary Science Letters</i> , 2004, 217, 315-329.	4.4	358
5	Nonbiological Fractionation of Iron Isotopes. <i>Science</i> , 2000, 288, 126-128.	12.6	250
6	High-precision Pb-Sr-Nd-Hf isotopic characterization of USGS BHVO-1 and BHVO-2 reference materials. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, .	2.5	249
7	Fe isotopic fractionation during mineral dissolution with and without bacteria. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 3189-3204.	3.9	230
8	Origin and evolution of a submarine large igneous province: the Kerguelen Plateau and Broken Ridge, southern Indian Ocean. <i>Earth and Planetary Science Letters</i> , 2000, 176, 73-89.	4.4	199
9	Hf isotope compositions of U.S. Geological Survey reference materials. <i>Geochemistry, Geophysics, Geosystems</i> , 2007, 8, n/a-n/a.	2.5	198
10	Precise Determination of Mass-Dependent Variations in the Isotopic Composition of Molybdenum Using MC-ICPMS. <i>Analytical Chemistry</i> , 2001, 73, 1425-1431.	6.5	149
11	Effect of shallow-level contamination on the helium isotope systematics of ocean-island lavas. <i>Nature</i> , 1995, 373, 330-333.	27.8	133
12	Geochemistry of Heard Island (Southern Indian Ocean): Characterization of an Enriched Mantle Component and Implications for Enrichment of the Sub-Indian Ocean Mantle. <i>Journal of Petrology</i> , 1994, 35, 1017-1053.	2.8	108
13	Extreme isotopic variations in Heard Island lavas and the nature of mantle reservoirs. <i>Nature</i> , 1990, 348, 59-62.	27.8	89
14	Absence of molybdenum isotope fractionation during magmatic differentiation at Hekla volcano, Iceland. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 162, 126-136.	3.9	85
15	Nonbiological fractionation of Fe isotopes: evidence of an equilibrium isotope effect. <i>Chemical Geology</i> , 2003, 195, 69-85.	3.3	82
16	Matrix effects on the multi-collector inductively coupled plasma mass spectrometric analysis of high-precision cadmium and zinc isotope ratios. <i>Analytica Chimica Acta</i> , 2009, 633, 29-37.	5.4	75
17	Influence of non-spectral matrix effects on the accuracy of Pb isotope ratio measurement by MC-ICP-MS: implications for the external normalization method of instrumental mass bias correction. <i>Journal of Analytical Atomic Spectrometry</i> , 2008, 23, 1017.	3.0	68
18	Origin of continental components in Indian Ocean basalts: Evidence from Elan Bank (Kerguelen) Tj ETQqO 0 0 rgBT /Overlock 10 Tf 50 62	4.4	59

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19	The molybdenum isotopic compositions of I-, S- and A-type granitic suites. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 205, 168-186.	3.9	55
20	Leaching systematics and matrix elimination for the determination of high-precision Pb isotope compositions of ocean island basalts. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	2.5	51
21	Silicon isotopes record dissolution and re-precipitation of pedogenic clay minerals in a podzolic soil chronosequence. <i>Geoderma</i> , 2014, 235-236, 19-29.	5.1	49
22	1.83-1.82 Ga formation of a juvenile volcanic arc-implications from U-Pb and Sm-Nd analyses of the Oskarshamn-Jönköping Belt, southeastern Sweden. <i>Gff</i> , 2005, 127, 149-157.	1.2	48
23	The Ninetyeast Ridge and its Relation to the Kerguelen, Amsterdam and St. Paul Hotspots in the Indian Ocean. <i>Journal of Petrology</i> , 2013, 54, 1177-1210.	2.8	34
24	An isotopic perspective on mass bias and matrix effects in multi-collector inductively-coupled-plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 653.	3.0	31
25	Determination of mass-dependent variations in tungsten stable isotope compositions of geological reference materials by double-spike and MC-ICPMS. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 2334-2342.	3.0	26
26	Heterogeneous nickel isotopic compositions in the terrestrial mantle - Part 1: Ultramafic lithologies. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 285, 129-149.	3.9	16
27	Constraining the transport time of lithogenic sediments to the Okinawa Trough (East China Sea). <i>Chemical Geology</i> , 2016, 445, 199-207.	3.3	14
28	A Sr-, Nd- and Pb-isotopic investigation of the transition between two megacyclic units of the Bjerkreim-Sokndal layered intrusion, south Norway. <i>Chemical Geology</i> , 2000, 165, 47-65.	3.3	13
29	Empirical and experimental constraints on Fe-Ti oxide-melt titanium isotope fractionation factors. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 326, 253-272.	3.9	13
30	The vanadium isotopic composition of lunar basalts. <i>Earth and Planetary Science Letters</i> , 2019, 511, 12-24.	4.4	12
31	Geological development of Heard Island, Central Kerguelen Plateau. <i>Australian Journal of Earth Sciences</i> , 2016, 63, 81-89.	1.0	10
32	Heterogeneous nickel isotope compositions of the terrestrial mantle - Part 2: Mafic lithologies. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 317, 349-364.	3.9	10
33	Heard Island: An example of large isotopic variations on a small Oceanic Island. <i>Chemical Geology</i> , 1988, 70, 46.	3.3	6
34	F. Oceanic Islands on the Antarctic Plate. <i>Antarctic Research Series</i> , 1990, , 396-463.	0.2	5
35	Origin and Evolution of a High-Ti Ocean Island Basalt Suite: The Laurens Peninsula Series, Heard Island, Indian Ocean. <i>Mineralogical Magazine</i> , 1994, 58A, 49-50.	1.4	5
36	Molybdenum Isotopes. <i>Encyclopedia of Earth Sciences Series</i> , 2017, , 1-6.	0.1	0

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37	Molybdenum Isotopes. Encyclopedia of Earth Sciences Series, 2018, , 950-955.	0.1	0