Vincent J M Salters

List of Publications by Year
in descending order

78 papers	7,437 citations	87401 40 h-index	97045 71 g-index
79 all docs	79 docs citations	79 times ranked	4837 citing authors

#	Article	IF	Citations
1	Thank You to Our 2021 Peer Reviewers. AGU Advances, 2022, 3, .	2.3	0
2	Highly heterogeneous mantle caused by recycling of oceanic lithosphere from the mantle transition zone. Earth and Planetary Science Letters, 2022, 593, 117679.	1.8	2
3	Trace Element and Isotopic Evidence for Recycled Lithosphere from Basalts from 48 to 53Â°E, Southwest Indian Ridge. Journal of Petrology, 2021, 61, .	1.1	7
4	Confronting Racism to Advance Our Science. AGU Advances, 2021, 2, e2020AV000296.	2.3	1
5	Thank You to Our 2020 Peer Reviewers. AGU Advances, 2021, 2, e2021AV000426.	2.3	0
6	Ancient refractory asthenosphere revealed by mantle re-melting at the Arctic Mid Atlantic Ridge. Earth and Planetary Science Letters, 2021, 566, 116981.	1.8	18
7	The Origin of Late Cenozoic Magmatism in the South China Sea and Southeast Asia. Geochemistry, Geophysics, Geosystems, 2021, 22, e2021GC009686.	1.0	7
8	Constraints on mantle evolution from Ce-Nd-Hf isotope systematics. Geochimica Et Cosmochimica Acta, 2020, 272, 36-53.	1.6	20
9	Thank You to Our 2019 Reviewers. AGU Advances, 2020, 1, e2020AV000181.	2.3	0
10	Elemental constraints on the amount of recycled crust in the generation of mid-oceanic ridge basalts (MORBs). Science Advances, 2020, 6, eaba2923.	4.7	23
11	AGU Advances Goes Online. AGU Advances, 2020, 1, e2019AV000105.	2.3	0
12	Geochemical Variability Along the Northern East Pacific Rise: Coincident Source Composition and Ridge Segmentation. Geochemistry, Geophysics, Geosystems, 2019, 20, 1889-1911.	1.0	15
13	Mercury bioaccumulation in tilefish from the northeastern Gulf of Mexico 2â€¯years after the Deepwater Horizon oil spill: Insights from Hg, C, N and S stable isotopes. Science of the Total Environment, 2019, 666, 828-838.	3.9	18
14	Role of ancient, ultra-depleted mantle in Mid-Ocean-Ridge magmatism. Earth and Planetary Science Letters, 2019, 511, 89-98.	1.8	44
15	Mantle melting variation and refertilization beneath the Dragon Bone amagmatic segment (53Â°E SWIR): Major and trace element compositions of peridotites at ridge flanks. Lithos, 2019, 324-325, 325-339.	0.6	5
16	Carbon Fluxes and Primary Magma CO₂ Contents Along the Global Midâ€Ocean Ridge System. Geochemistry, Geophysics, Geosystems, 2019, 20, 1387-1424.	1.0	74
17	Elemental Systematics in MORB Glasses From the Midâ€Atlantic Ridge. Geochemistry, Geophysics, Geosystems, 2018, 19, 4236-4259.	1.0	36
18	Thorium. Encyclopedia of Earth Sciences Series, 2018, , 1439-1441.	0.1	1

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19	High Field Strength Elements. Encyclopedia of Earth Sciences Series, 2018, , 664-666.	0.1	0
20	Petrogenesis of coeval sodic and potassic alkaline magmas at Spanish Peaks, Colorado: Magmatism related to the opening of the Rio Grande rift. Geochimica Et Cosmochimica Acta, 2016, 185, 453-476.	1.6	10
21	Thorium. Encyclopedia of Earth Sciences Series, 2016, , 1-3.	0.1	1
22	Isotopic constraints on the genesis and evolution of basanitic lavas at Haleakala, Island of Maui, Hawaii. Geochimica Et Cosmochimica Acta, 2016, 195, 201-225.	1.6	15
23	High Field Strength Elements. Encyclopedia of Earth Sciences Series, 2016, , 1-3.	0.1	0
24	Atomic-scale studies on the effect of boundary coherency on stability in twinned Cu. Applied Physics Letters, 2014, 104, 011913.	1.5	9
25	Humic acid complexation of Th, Hf and Zr in ligand competition experiments: Metal loading and pH effects. Chemical Geology, 2014, 363, 241-249.	1.4	35
26	Isotope and trace element insights into heterogeneity of subridge mantle. Geochemistry, Geophysics, Geosystems, 2014, 15, 2438-2453.	1.0	49
27	Development and evolution of detachment faulting along 50 km of the Midâ€Atlantic Ridge near 16.5Â°N. Geochemistry, Geophysics, Geosystems, 2014, 15, 4692-4711.	1.0	32
28	Geochemical and isotopic study of a plutonic suite and related early volcanic sequences in the southern Mariana forearc. Geochemistry, Geophysics, Geosystems, 2014, 15, 589-604.	1.0	22
29	The composition and distribution of the rejuvenated component across the Hawaiian plume: Hfâ€Ndâ€Srâ€Pb isotope systematics of Kaula lavas and pyroxenite xenoliths. Geochemistry, Geophysics, Geosystems, 2013, 14, 4458-4478.	1.0	43
30	Isotopic composition of species-specific atmospheric Hg in a coastal environment. Chemical Geology, 2013, 336, 37-49.	1.4	148
31	Reconnaissance Lead Isotope Characteristics of the Blackbird Deposit: Implications for the Age and Origin of Cobalt-Copper Mineralization in the Idaho Cobalt Belt, United States. Economic Geology, 2012, 107, 1177-1188.	1.8	8
32	Domains of depleted mantle: New evidence from hafnium and neodymium isotopes. Geochemistry, Geophysics, Geosystems, 2011, 12, n/a-n/a.	1.0	69
33	Correction to â€œDomains of depleted mantle: New evidence from hafnium and neodymium isotopesâ€• Geochemistry, Geophysics, Geosystems, 2011, 12, n/a-n/a.	1.0	1
34	An ancient metasomatic source for the Walvis Ridge basalts. Chemical Geology, 2010, 273, 151-167.	1.4	59
35	A case for in vivo massâ€independent fractionation of mercury isotopes in fish. Geochemistry, Geophysics, Geosystems, 2009, 10, .	1.0	38
36	Ancient recycled mantle lithosphere in the Hawaiian plume: Osmiumâ€“Hafnium isotopic evidence from peridotite mantle xenoliths. Earth and Planetary Science Letters, 2007, 257, 259-273.	1.8	137

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37	A capillary electrophoresis-ICP-MS study of rare earth element complexation by humic acids. Chemical Geology, 2007, 246, 170-180.	1.4	77
38	Capillary electrophoresisâ€“high resolution sector field inductively coupled plasma mass spectrometry. Journal of Chromatography A, 2007, 1159, 63-74.	1.8	45
39	G-Cubed: A snapshot today and a look to the future. Geochemistry, Geophysics, Geosystems, 2006, 7, n/a-n/a.	1.0	0
40	Lanthanideâ€“humic substances complexation. I. Experimental evidence for a lanthanide contraction effect. Geochimica Et Cosmochimica Acta, 2006, 70, 1495-1506.	1.6	170
41	PROVENANCE OF ORE METALS IN BASE AND PRECIOUS METAL DEPOSITS OF CENTRAL IDAHO AS INFERRED FROM LEAD ISOTOPES. Economic Geology, 2006, 101, 1063-1077.	1.8	11
42	Isotope and trace element evidence for depleted lithosphere in the source of enriched Koâ€™olau basalts. Contributions To Mineralogy and Petrology, 2006, 151, 297-312.	1.2	48
43	Lu?Hf and geochemical systematics of recycled ancient oceanic crust: evidence from Roberts Victor eclogites. Contributions To Mineralogy and Petrology, 2005, 148, 707-720.	1.2	66
44	Hf-Nd-Sr isotope systematics of garnet pyroxenites from Salt Lake Crater, Oahu, Hawaii: Evidence for a depleted component in Hawaiian volcanism. Geochimica Et Cosmochimica Acta, 2005, 69, 2629-2646.	1.6	85
45	Comment to â€œPb isotopic analysis of standards and samples using a 207Pbâ€“204Pb double spike and thallium to correct for mass bias with a double-focusing MCâ€“ICPâ€“MSâ€•by Baker et al.. Chemical Geology, 2005, 217, 171-174.	1.4	14
46	Mass spectrometry of natural organic phosphorus. Talanta, 2005, 66, 348-358.	2.9	34
47	Determination of neodymiumâ€“fulvic acid binding constants by capillary electrophoresis inductively coupled plasma mass spectrometry (CE-ICP-MS). Journal of Analytical Atomic Spectrometry, 2004, 19, 235-240.	1.6	37
48	Disequilibrium effects in metal speciation by capillary electrophoresis inductively coupled plasma mass spectrometry (CE-ICP-MS); theory, simulations and experimentsElectronic supplementary information (ESI) available: Computer simulations of Sm-Cit (Animation 1, corresponding with Fig. 3), Sm-HA (Animation 2, corresponding with Fig. 4) and Sm-HA-EDTA (Animation 3) separations. See http://www.rsc.org/suppdata/an/b4/b407162j/.. Analyst, The, 2004, 129, 731.	1.7	49
49	Luâ€“Hf and Smâ€“Nd isotopic systematics in chondrites and their constraints on the Luâ€“Hf properties of the Earth. Earth and Planetary Science Letters, 2004, 222, 29-41.	1.8	127
50	Composition of the depleted mantle. Geochemistry, Geophysics, Geosystems, 2004, 5, n/a-n/a.	1.0	1,377
51	Hfâ€“Nd isotope decoupling in the oceanic lithosphere: constraints from spinel peridotites from Oahu, Hawaiiâ€ . Earth and Planetary Science Letters, 2004, 217, 43-58.	1.8	108
52	The brevity of carbonatite sources in the mantle: evidence from Hf isotopes. Contributions To Mineralogy and Petrology, 2003, 145, 281-300.	1.2	180
53	Dispersion effects of laminar flow and spray chamber volume in capillary electrophoresisâ€“inductively coupled plasma-mass spectrometry: a numerical and experimental approach. Journal of Chromatography A, 2003, 1015, 205-218.	1.8	21
54	The dynamics of melting beneath Theistareykir, northern Iceland. Geochemistry, Geophysics, Geosystems, 2003, 4, .	1.0	48

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55	Theistareykir revisited. Geochemistry, Geophysics, Geosystems, 2003, 4, .	1.0	142
56	Recycling oceanic crust: Quantitative constraints. Geochemistry, Geophysics, Geosystems, 2003, 4, .	1.0	389
57	Temporal chemical variations within lowermost jurassic tholeiitic magmas of the Central Atlantic Magmatic Province. Geophysical Monograph Series, 2003, , 163-177.	0.1	6
58	Near mantle solidus trace element partitioning at pressures up to 3.4 GPa. Geochemistry, Geophysics, Geosystems, 2002, 3, 1-23.	1.0	199
59	Mineralogy of the mid-ocean-ridge basalt source from neodymium isotopic composition of abyssal peridotites. Nature, 2002, 418, 68-72.	13.7	186
60	Title is missing!. Biogeochemistry, 2002, 61, 269-289.	1.7	32
61	Trace and REE content of clinopyroxenes from supra-subduction zone peridotites. Implications for melting and enrichment processes in island arcs. Chemical Geology, 2000, 165, 67-85.	1.4	217
62	Assessing the presence of garnet-pyroxenite in the mantle sources of basalts through combined hafnium-neodymium-thorium isotope systematics. Geochemistry, Geophysics, Geosystems, 2000, 1, n/a-n/a.	1.0	67
63	Trace element partitioning during the initial stages of melting beneath mid-ocean ridges. Earth and Planetary Science Letters, 1999, 166, 15-30.	1.8	297
64	Hf isotope constraints on mantle evolution. Chemical Geology, 1998, 145, 447-460.	1.4	291
65	The Hf isotopic composition of ferromanganese nodules and crusts and hydrothermal manganese deposits: Implications for seawater Hf. Earth and Planetary Science Letters, 1997, 151, 91-105.	1.8	71
66	The generation of mid-ocean ridge basalts from the Hf and Nd isotope perspective. Earth and Planetary Science Letters, 1996, 141, 109-123.	1.8	154
67	Dissolved zirconium and hafnium distributions across a shelf break in the northeastern Atlantic Ocean. Geochimica Et Cosmochimica Acta, 1996, 60, 3995-4006.	1.6	81
68	Extraction of mid-ocean-ridge basalt from the upwelling mantle by focused flow of melt in dunite channels. Nature, 1995, 375, 747-753.	13.7	732
69	Geochemical characteristics of lavas from Broken Ridge, the Naturaliste Plateau and southernmost Kerguelen Plateau: Cretaceous plateau volcanism in the southeast Indian Ocean. Chemical Geology, 1995, 120, 315-345.	1.4	186
70	Extreme 176Hf/177Hf in the sub-oceanic mantle. Earth and Planetary Science Letters, 1995, 129, 13-30.	1.8	105
71	Ion sources for analysis of inorganic solids and liquids by MS. Analytical Chemistry, 1994, 66, 1079A-1089A.	3.2	21
72	176Hf/177Hf Determination in Small Samples by a High-Temperature SIMS Technique. Analytical Chemistry, 1994, 66, 4186-4189.	3.2	50

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73	The Lamontâ€”Doherty Geological Observatory Isolab 54 isotope ratio mass spectrometer. International Journal of Mass Spectrometry and Ion Processes, 1992, 121, 201-240.	1.9	30
74	The mantle sources of ocean ridges, islands and arcs: the Hf-isotope connection. Earth and Planetary Science Letters, 1991, 104, 364-380.	1.8	213
75	The hafnium paradox and the role of garnet in the source of mid-ocean-ridge basalts. Nature, 1989, 342, 420-422.	13.7	281
76	Geochemistry and evolution of the calc-alkaline volcanic complex of santorini, Aegean Sea, Greece. Journal of Volcanology and Geothermal Research, 1988, 34, 283-306.	0.8	56
77	World-wide occurrence of HFSE-depleted mantle. Geochimica Et Cosmochimica Acta, 1988, 52, 2177-2182.	1.6	132
78	Sr isotope and trace element evidence for the role of continental crust in calc-alkaline volcanism on Santorini and Milos, Aegean Sea, Greece. Earth and Planetary Science Letters, 1983, 63, 273-291.	1.8	55