James Farquhar

List of Publications by Year
in descending order

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34	4,116	331670	345221
papers	citations	21	36
		h-index	g-index

37	37	37	3110
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sulfur Isotope Evidence for a Geochemical Zonation of the Samoan Mantle Plume. Geochemistry, Geophysics, Geosystems, 2021, 22, e2021GC009816.	2.5	2
2	Multi isotope systematics of precipitation to trace the sources of air pollutants in Seoul, Korea. Environmental Pollution, 2021, 286, 117548.	7.5	9
3	Sulfur Isotope Constraints on the Petrogenesis of the Kimberley Kimberlites. Geochemistry, Geophysics, Geosystems, 2021, 22, e2021GC009845.	2.5	4
4	Isotopic Evidence for Multiple Recycled Sulfur Reservoirs in the Mangaia Mantle Plume. Geochemistry, Geophysics, Geosystems, 2020, 21, e2020GC009081.	2.5	10
5	The sulfur budget and sulfur isotopic composition of Martian regolith breccia NWA 7533. Meteoritics and Planetary Science, 2020, 55, 2097-2116.	1.6	8
6	Sulfur isotope characterization of primordial and recycled sources feeding the Samoan mantle plume. Earth and Planetary Science Letters, 2020, 534, 116073.	4.4	20
7	A new type of isotopic anomaly in shergottite sulfides. Meteoritics and Planetary Science, 2019, 54, 3036-3051.	1.6	7
8	2600-years of stratospheric volcanism through sulfate isotopes. Nature Communications, 2019, 10, 466.	12.8	40
9	Intercomparison measurements of two ³³S-enriched sulfur isotope standards. Journal of Analytical Atomic Spectrometry, 2019, 34, 1263-1271.	3.0	14
10	Kimberlite-related metasomatism recorded in MARID and PIC mantle xenoliths. Mineralogy and Petrology, 2018, 112, 71-84.	1.1	34
11	The origin and migration of the dissolved sulfate from precipitation in Seoul, Korea. Environmental Pollution, 2018, 237, 878-886.	7.5	9
12	Rates and multiple sulfur isotope fractionations associated with the oxidation of sulfide by oxygen in aqueous solution. Geochimica Et Cosmochimica Acta, 2018, 237, 240-260.	3.9	9
13	<scp>SO₂</scp> Oxidation Kinetics Leave a Consistent Isotopic Imprint on Volcanic Ice Core Sulfate. Journal of Geophysical Research D: Atmospheres, 2018, 123, 9801-9812.	3.3	22
14	Redox chemistry changes in the Panthalassic Ocean linked to the end-Permian mass extinction and delayed Early Triassic biotic recovery. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1806-1810.	7.1	64
15	Biological regulation of atmospheric chemistry en route to planetary oxygenation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E2571-E2579.	7.1	64
16	The minor sulfur isotope composition of Cretaceous and Cenozoic seawater sulfate. Paleoceanography, 2016, 31, 779-788.	3.0	21
17	Missing Archean sulfur returned from the mantle. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12893-12895.	7.1	13
18	Sulfur isotope composition of metasomatised mantle xenoliths from the Bultfontein kimberlite (Kimberley, South Africa): Contribution from subducted sediments and the effect of sulfide alteration on S isotope systematics. Earth and Planetary Science Letters, 2016, 445, 114-124.	4.4	43

#	Article	IF	Citations
19	Early inner solar system origin for anomalous sulfur isotopes in differentiated protoplanets. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 17749-17754.	7.1	34
20	Large sulfur isotope fractionations associated with Neoarchean microbial sulfate reduction. Science, 2014, 346, 742-744.	12.6	83
21	Sulfate was a trace constituent of Archean seawater. Science, 2014, 346, 735-739.	12.6	246
22	Isotopic links between atmospheric chemistry and the deep sulphur cycle on Mars. Nature, 2014, 508, 364-368.	27.8	91
23	Neoarchaean seawater sulphate concentrations from sulphur isotopes in massive sulphide ore. Nature Geoscience, 2013, 6, 61-64.	12.9	85
24	Anomalous sulphur isotopes in plume lavas reveal deep mantle storage of Archaean crust. Nature, 2013, 496, 490-493.	27.8	205
25	Pathways for Neoarchean pyrite formation constrained by mass-independent sulfur isotopes. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17638-17643.	7.1	125
26	Quantification of free and metal-complexed cyanide by tetrathionate derivatization. International Journal of Environmental Analytical Chemistry, 2012, 92, 1506-1517.	3.3	5
27	A bistable organic-rich atmosphere on the Neoarchaean Earth. Nature Geoscience, 2012, 5, 359-363.	12.9	201
28	Geological constraints on the origin of oxygenic photosynthesis. Photosynthesis Research, 2011, 107, 11-36.	2.9	200
29	Needs and opportunities in mineral evolution research. American Mineralogist, 2011, 96, 953-963.	1.9	61
30	Identification of sources and formation processes of atmospheric sulfate by sulfur isotope and scanning electron microscope measurements. Journal of Geophysical Research, 2010, 115, .	3.3	58
31	Isotopic evidence for Mesoarchaean anoxia and changing atmospheric sulphur chemistry. Nature, 2007, 449, 706-709.	27.8	261
32	Multiple sulphur isotopic interpretations of biosynthetic pathways: implications for biological signatures in the sulphur isotope record. Geobiology, 2003, 1, 27-36.	2.4	234
33	Mass-Independent Sulfur of Inclusions in Diamond and Sulfur Recycling on Early Earth. Science, 2002, 298, 2369-2372.	12.6	264
34	Atmospheric Influence of Earth's Earliest Sulfur Cycle. Science, 2000, 289, 756-758.	12.6	1,543