

Josh Bn Wimpenny

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,957
citations

331670

21
h-index

289244

40
g-index

40
all docs

40
docs citations

40
times ranked

1993
citing authors

#	ARTICLE	IF	CITATIONS
1	Chelyabinsk Airburst, Damage Assessment, Meteorite Recovery, and Characterization. <i>Science</i> , 2013, 342, 1069-1073.	12.6	487
2	The behaviour of Li and Mg isotopes during primary phase dissolution and secondary mineral formation in basalt. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 5259-5279.	3.9	214
3	Radar-Enabled Recovery of the Sutter™s Mill Meteorite, a Carbonaceous Chondrite Regolith Breccia. <i>Science</i> , 2012, 338, 1583-1587.	12.6	191
4	Glacial effects on weathering processes: New insights from the elemental and lithium isotopic composition of West Greenland rivers. <i>Earth and Planetary Science Letters</i> , 2010, 290, 427-437.	4.4	109
5	The behaviour of magnesium and its isotopes during glacial weathering in an ancient shield terrain in West Greenland. <i>Earth and Planetary Science Letters</i> , 2011, 304, 260-269.	4.4	89
6	Carbonaceous achondrites Northwest Africa 6704/6693: Milestones for early Solar System chronology and genealogy. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 245, 577-596.	3.9	84
7	Lithium isotope fractionation during uptake by gibbsite. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 168, 133-150.	3.9	67
8	Mg isotopic heterogeneity, Al-Mg isochrons, and canonical $^{26}\text{Al}/^{27}\text{Al}$ in the early solar system. <i>Meteoritics and Planetary Science</i> , 2012, 47, 1980-1997.	1.6	66
9	Using Mg isotope ratios to trace Cenozoic weathering changes: A case study from the Chinese Loess Plateau. <i>Chemical Geology</i> , 2014, 376, 31-43.	3.3	62
10	Fall, recovery, and characterization of the Novato L6 chondrite breccia. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1388-1425.	1.6	59
11	U-Pb and Al-Mg systematics of the ungrouped achondrite Northwest Africa 7325. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 183, 31-45.	3.9	53
12	Magma mixing and the generation of isotopically juvenile silicic magma at Yellowstone caldera inferred from coupling ^{238}U - ^{230}Th ages with trace elements and Hf and O isotopes in zircon and Pb isotopes in sanidine. <i>Contributions To Mineralogy and Petrology</i> , 2013, 166, 587-613.	3.1	41
13	Isotopic evidence for a young lunar magma ocean. <i>Earth and Planetary Science Letters</i> , 2019, 523, 115706.	4.4	40
14	On the origin of hot metasedimentary quartzites in the lower crust of continental arcs. <i>Earth and Planetary Science Letters</i> , 2013, 361, 120-133.	4.4	36
15	Experimental determination of Zn isotope fractionation during evaporative loss at extreme temperatures. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 259, 391-411.	3.9	34
16	Isotopes to ice: Constraining provenance of glacial deposits and ice centers in west-central Gondwana. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 531, 108745.	2.3	31
17	Changes in magma storage conditions following caldera collapse at Okataina Volcanic Center, New Zealand. <i>Contributions To Mineralogy and Petrology</i> , 2016, 171, 1.	3.1	29
18	A trio of laser ablation in concert with two ICP-MSs: Simultaneous, pulse-by-pulse determination of U-Pb discordant ages and a single spot Hf isotope ratio analysis in complex zircons from petrographic thin sections. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	28

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19	Intercomparison of the Radio-Chronometric Ages of Plutonium-Certified Reference Materials with Distinct Isotopic Compositions. <i>Analytical Chemistry</i> , 2019, 91, 11643-11652.	6.5	28
20	Reassessing the origin and chronology of the unique achondrite Asuka 881394: Implications for distribution of ²⁶ Al in the early Solar System. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 244, 478-501.	3.9	24
21	The formation and evolution of the Moon's crust inferred from the Sm-Nd isotopic systematics of highlands rocks. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 290, 312-332.	3.9	21
22	Onset of magma ocean solidification on Mars inferred from Mn-Cr chronometry. <i>Earth and Planetary Science Letters</i> , 2020, 542, 116315.	4.4	19
23	The role of mantle-derived magmas in the isotopic evolution of Yellowstone's magmatic system. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 1350-1365.	2.5	17
24	Molybdenum isotope compositions of uranium ore concentrates by double spike MC-ICP-MS. <i>Applied Geochemistry</i> , 2019, 103, 97-105.	3.0	16
25	Constraining the behavior of gallium isotopes during evaporation at extreme temperatures. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 286, 54-71.	3.9	13
26	Sr-Nd-Pb isotope systematics of Australasian tektites: Implications for the nature and composition of target materials and possible volatile loss of Pb. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 276, 135-150.	3.9	13
27	Xenon isotope constraints on ancient Martian atmospheric escape. <i>Earth and Planetary Science Letters</i> , 2022, 580, 117349.	4.4	13
28	Precise Determination of the Lutetium Isotopic Composition in Rocks and Minerals Using Multicollector ICPMS. <i>Analytical Chemistry</i> , 2013, 85, 11258-11264.	6.5	10
29	The CM carbonaceous chondrite regolith Diepenveen. <i>Meteoritics and Planetary Science</i> , 2019, 54, 1431-1461.	1.6	9
30	The gallium isotopic composition of the Moon. <i>Earth and Planetary Science Letters</i> , 2022, 578, 117318.	4.4	9
31	New measurement of the ²³⁸ U decay constant with inductively coupled plasma mass spectrometry. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 318, 711-721.	1.5	8
32	Evaluating uranium radiochronometry by single-collector mass spectrometry for nuclear forensics: a multi-instrument investigation. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 322, 1627-1640.	1.5	7
33	Synthetic antibacterial minerals: harnessing a natural geochemical reaction to combat antibiotic resistance. <i>Scientific Reports</i> , 2022, 12, 1218.	3.3	7
34	THE LU ISOTOPIC COMPOSITION OF ACHONDRITES: CLOSING THE CASE FOR ACCELERATED DECAY OF ¹⁷⁶ Lu. <i>Astrophysical Journal Letters</i> , 2015, 812, L3.	8.3	6
35	Additive manufacturing of platinum group element (PGE) reference materials with a silica matrix. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8627.	1.5	6
36	Assessing Sedimentary Detrital Pb Isotopes as a Dust Tracer in the Pacific Ocean. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2020PA004144.	2.9	4

#	ARTICLE	IF	CITATIONS
37	Characterizing major and trace element compositions in fallout melt glass from a near-surface nuclear test. <i>Journal of Environmental Radioactivity</i> , 2022, 243, 106796.	1.7	3
38	Clay Minerals. <i>Encyclopedia of Earth Sciences Series</i> , 2016, , 1-11.	0.1	2
39	Clay Minerals. <i>Encyclopedia of Earth Sciences Series</i> , 2018, , 265-275.	0.1	1
40	Determination of impurities in cubic boron nitride (cBN) by inductively coupled plasma mass spectrometry (ICPMS). <i>Diamond and Related Materials</i> , 2021, 121, 108726.	3.9	1