Josh Bn Wimpenny

List of Publications by Year
in descending order

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	The gallium isotopic composition of the Moon. Earth and Planetary Science Letters, 2022, 578, 117318.	4.4	9
2	Characterizing major and trace element compositions in fallout melt glass from a near-surface nuclear test. Journal of Environmental Radioactivity, 2022, 243, 106796.	1.7	3
3	Synthetic antibacterial minerals: harnessing a natural geochemical reaction to combat antibiotic resistance. Scientific Reports, 2022, 12, 1218.	3.3	7
4	Xenon isotope constraints on ancient Martian atmospheric escape. Earth and Planetary Science Letters, 2022, 580, 117349.	4.4	13
5	Assessing Sedimentary Detrital Pb Isotopes as a Dust Tracer in the Pacific Ocean. Paleoceanography and Paleoclimatology, 2021, 36, e2020PA004144.	2.9	4
6	Determination of impurities in cubic boron nitride (cBN) by inductively coupled plasma mass spectrometry (ICPMS). Diamond and Related Materials, 2021, 121, 108726.	3.9	1
7	Additive manufacturing of platinum group element (PGE) reference materials with a silica matrix. Rapid Communications in Mass Spectrometry, 2020, 34, e8627.	1.5	6
8	Constraining the behavior of gallium isotopes during evaporation at extreme temperatures. Geochimica Et Cosmochimica Acta, 2020, 286, 54-71.	3.9	13
9	The formation and evolution of the Moonâ€™s crust inferred from the Sm-Nd isotopic systematics of highlands rocks. Geochimica Et Cosmochimica Acta, 2020, 290, 312-332.	3.9	21
10	Onset of magma ocean solidification on Mars inferred from Mn-Cr chronometry. Earth and Planetary Science Letters, 2020, 542, 116315.	4.4	19
11	Sr-Nd-Pb isotope systematics of Australasian tektites: Implications for the nature and composition of target materials and possible volatile loss of Pb. Geochimica Et Cosmochimica Acta, 2020, 276, 135-150.	3.9	13
12	Intercomparison of the Radio-Chronometric Ages of Plutonium-Certified Reference Materials with Distinct Isotopic Compositions. Analytical Chemistry, 2019, 91, 11643-11652.	6.5	28
13	Isotopic evidence for a young lunar magma ocean. Earth and Planetary Science Letters, 2019, 523, 115706.	4.4	40
14	Evaluating uranium radiochronometry by single-collector mass spectrometry for nuclear forensics: a multi-instrument investigation. Journal of Radioanalytical and Nuclear Chemistry, 2019, 322, 1627-1640.	1.5	7
15	Experimental determination of Zn isotope fractionation during evaporative loss at extreme temperatures. Geochimica Et Cosmochimica Acta, 2019, 259, 391-411.	3.9	34
16	The CM carbonaceous chondrite regolith Diepenveen. Meteoritics and Planetary Science, 2019, 54, 1431-1461.	1.6	9
17	Molybdenum isotope compositions of uranium ore concentrates by double spike MC-ICP-MS. Applied Geochemistry, 2019, 103, 97-105.	3.0	16
18	Carbonaceous achondrites Northwest Africa 6704/6693: Milestones for early Solar System chronology and genealogy. Geochimica Et Cosmochimica Acta, 2019, 245, 577-596.	3.9	84

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19	Reassessing the origin and chronology of the unique achondrite Asuka 881394: Implications for distribution of 26Al in the early Solar System. Geochimica Et Cosmochimica Acta, 2019, 244, 478-501.	3.9	24
20	Isotopes to ice: Constraining provenance of glacial deposits and ice centers in west-central Gondwana. Palaeogeography, Palaeoclimatology, Palaeoecology, 2019, 531, 108745.	2.3	31
21	New measurement of the 238U decay constant with inductively coupled plasma mass spectrometry. Journal of Radioanalytical and Nuclear Chemistry, 2018, 318, 711-721.	1.5	8
22	Clay Minerals. Encyclopedia of Earth Sciences Series, 2018, , 265-275.	0.1	1
23	The role of mantleâ€derived magmas in the isotopic evolution of <scp>Y</scp>ellowstone's magmatic system. Geochemistry, Geophysics, Geosystems, 2017, 18, 1350-1365.	2.5	17
24	Uâ€“Pb and Alâ€“Mg systematics of the ungrouped achondrite Northwest Africa 7325. Geochimica Et Cosmochimica Acta, 2016, 183, 31-45.	3.9	53
25	Clay Minerals. Encyclopedia of Earth Sciences Series, 2016, , 1-11.	0.1	2
26	Changes in magma storage conditions following caldera collapse at Okataina Volcanic Center, New Zealand. Contributions To Mineralogy and Petrology, 2016, 171, 1.	3.1	29
27	THE LU ISOTOPIC COMPOSITION OF ACHONDRITES: CLOSING THE CASE FOR ACCELERATED DECAY OF ¹⁷⁶ LU. Astrophysical Journal Letters, 2015, 812, L3.	8.3	6
28	Lithium isotope fractionation during uptake by gibbsite. Geochimica Et Cosmochimica Acta, 2015, 168, 133-150.	3.9	67
29	Fall, recovery, and characterization of the Novato L6 chondrite breccia. Meteoritics and Planetary Science, 2014, 49, 1388-1425.	1.6	59
30	Using Mg isotope ratios to trace Cenozoic weathering changes: A case study from the Chinese Loess Plateau. Chemical Geology, 2014, 376, 31-43.	3.3	62
31	Magma mixing and the generation of isotopically juvenile silicic magma at Yellowstone caldera inferred from coupling 238Uâ€“230Th ages with trace elements and Hf and O isotopes in zircon and Pb isotopes in sanidine. Contributions To Mineralogy and Petrology, 2013, 166, 587-613.	3.1	41
32	Chelyabinsk Airburst, Damage Assessment, Meteorite Recovery, and Characterization. Science, 2013, 342, 1069-1073.	12.6	487
33	Precise Determination of the Lutetium Isotopic Composition in Rocks and Minerals Using Multicollector ICPMS. Analytical Chemistry, 2013, 85, 11258-11264.	6.5	10
34	On the origin of hot metasedimentary quartzites in the lower crust of continental arcs. Earth and Planetary Science Letters, 2013, 361, 120-133.	4.4	36
35	Radar-Enabled Recovery of the Sutterâ€™s Mill Meteorite, a Carbonaceous Chondrite Regolith Breccia. Science, 2012, 338, 1583-1587.	12.6	191
36	Mg isotopic heterogeneity, Alâ€Mg isochrons, and canonical ²⁶Al/²⁷Al in the early solar system. Meteoritics and Planetary Science, 2012, 47, 1980-1997.	1.6	66

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37	A trio of laser ablation in concert with two ICPâ€MSs: Simultaneous, pulseâ€byâ€pulse determination of Uâ€Pb discordant ages and a single spot Hf isotope ratio analysis in complex zircons from petrographic thin sections. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	28
38	The behaviour of magnesium and its isotopes during glacial weathering in an ancient shield terrain in West Greenland. Earth and Planetary Science Letters, 2011, 304, 260-269.	4.4	89
39	The behaviour of Li and Mg isotopes during primary phase dissolution and secondary mineral formation in basalt. Geochimica Et Cosmochimica Acta, 2010, 74, 5259-5279.	3.9	214
40	Glacial effects on weathering processes: New insights from the elemental and lithium isotopic composition of West Greenland rivers. Earth and Planetary Science Letters, 2010, 290, 427-437.	4.4	109