

Ian Parkinson

List of Publications by Year in descending order

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46
papers

4,617
citations

172457

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243625

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all docs

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docs citations

46
times ranked

3394
citing authors

#	ARTICLE	IF	CITATIONS
1	Titanium isotope fractionation in solar system materials. <i>Chemical Geology</i> , 2021, 568, 120009.	3.3	15
2	Duration of Hydrothermal Alteration and Mineralization of the Don Manuel Porphyry Copper System, Central Chile. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 174.	2.0	1
3	Unravelling the sources of carbon emissions at the onset of Oceanic Anoxic Event (OAE) 1a. <i>Earth and Planetary Science Letters</i> , 2020, 530, 115947.	4.4	30
4	A Re-evaluation of the Plenus Cold Event, and the Links Between CO ₂ , Temperature, and Seawater Chemistry During OAE 2. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2019PA003631.	2.9	25
5	Sr isotopes in arcs revisited: tracking slab dehydration using ⁸⁸ / ₈₆ Sr and ⁸⁷ / ₈₆ Sr systematics of arc lavas. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 288, 101-119.	3.9	21
6	Melt chemistry and redox conditions control titanium isotope fractionation during magmatic differentiation. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 282, 38-54.	3.9	41
7	Investigating Ocean Deoxygenation During the PETM Through the Cr Isotopic Signature of Foraminifera. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 917-929.	2.9	14
8	Improving confidence in ferromanganese crust age models: A composite geochemical approach. <i>Chemical Geology</i> , 2019, 513, 108-119.	3.3	30
9	Post-depositional overprinting of chromium in foraminifera. <i>Earth and Planetary Science Letters</i> , 2019, 515, 100-111.	4.4	25
10	Sources of dissolved iron to oxygen minimum zone waters on the Senegalese continental margin in the tropical North Atlantic Ocean: Insights from iron isotopes. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 236, 60-78.	3.9	27
11	Tellurium stable isotope fractionation in chondritic meteorites and some terrestrial samples. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 222, 17-33.	3.9	21
12	Identification of molybdenite in diamond-hosted sulphide inclusions: Implications for Re-Os radiometric dating. <i>Earth and Planetary Science Letters</i> , 2018, 495, 101-111.	4.4	7
13	Isotopic signature of dissolved iron delivered to the Southern Ocean from hydrothermal vents in the East Scotia Sea. <i>Geology</i> , 2017, 45, 351-354.	4.4	29
14	Stable chromium isotopic composition of meteorites and metal-silicate experiments: Implications for fractionation during core formation. <i>Earth and Planetary Science Letters</i> , 2016, 435, 14-21.	4.4	62
15	Mass dependent fractionation of stable chromium isotopes in mare basalts: Implications for the formation and the differentiation of the Moon. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 175, 208-221.	3.9	56
16	Highly Siderophile Element and Os Isotope Systematics of Volcanic Rocks at Divergent and Convergent Plate Boundaries and in Intraplate Settings. , 2016, , 651-724.		0
17	The Late Cryogenian Warm Interval, NE Svalbard: Chemostratigraphy and genesis. <i>Precambrian Research</i> , 2016, 281, 128-154.	2.7	29
18	Insights into combined radiogenic and stable strontium isotopes as tracers for weathering processes in subglacial environments. <i>Chemical Geology</i> , 2016, 429, 33-43.	3.3	43

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19	Highly Siderophile Element and Os Isotope Systematics of Volcanic Rocks at Divergent and Convergent Plate Boundaries and in Intraplate Settings. <i>Reviews in Mineralogy and Geochemistry</i> , 2016, 81, 651-724.	4.8	54
20	Characterising the stable ($^{88}\text{Sr}/^{86}\text{Sr}$) and radiogenic ($^{87}\text{Sr}/^{86}\text{Sr}$) isotopic composition of strontium in rainwater. <i>Chemical Geology</i> , 2015, 409, 54-60.	3.3	26
21	Reassessing the stable ($^{88}\text{Sr}/^{86}\text{Sr}$) and radiogenic ($^{87}\text{Sr}/^{86}\text{Sr}$) strontium isotopic composition of marine inputs. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 157, 125-146.	3.9	89
22	High-precision radiogenic strontium isotope measurements of the modern and glacial ocean: Limits on glacial-interglacial variations in continental weathering. <i>Earth and Planetary Science Letters</i> , 2015, 415, 111-120.	4.4	91
23	Controls on stable strontium isotope fractionation in coccolithophores with implications for the marine Sr cycle. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 128, 225-235.	3.9	75
24	The chromium isotopic composition of seawater and marine carbonates. <i>Earth and Planetary Science Letters</i> , 2013, 382, 10-20.	4.4	144
25	Cenozoic Volcanism on the Hangai Dome, Central Mongolia: Geochemical Evidence for Changing Melt Sources and Implications for Mechanisms of Melting. <i>Journal of Petrology</i> , 2012, 53, 1913-1942.	2.8	72
26	Unradiogenic lead in Earth's upper mantle. <i>Nature Geoscience</i> , 2012, 5, 570-573.	12.9	56
27	Accurate and precise determination of stable Cr isotope compositions in carbonates by double spike MC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 528.	3.0	84
28	Tectonic implications of garnet-bearing mantle xenoliths exhumed by Quaternary magmatism in the Hangay dome, central Mongolia. <i>Contributions To Mineralogy and Petrology</i> , 2010, 160, 67-81.	3.1	17
29	Climate driven glacial-interglacial variations in the osmium isotope composition of seawater recorded by planktic foraminifera. <i>Earth and Planetary Science Letters</i> , 2010, 295, 58-68.	4.4	22
30	Osmium isotopes and Fe/Mn ratios in Ti-rich picritic basalts from the Ethiopian flood basalt province: No evidence for core contribution to the Afar plume. <i>Earth and Planetary Science Letters</i> , 2010, 296, 413-422.	4.4	25
31	Highly siderophile element behaviour accompanying subduction of oceanic crust: Whole rock and mineral-scale insights from a high-pressure terrain. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 1394-1416.	3.9	86
32	Rhenium-osmium isotope and elemental behaviour during subduction of oceanic crust and the implications for mantle recycling. <i>Earth and Planetary Science Letters</i> , 2007, 253, 211-225.	4.4	66
33	High-temperature lithium isotope fractionation: Insights from lithium isotope diffusion in magmatic systems. <i>Earth and Planetary Science Letters</i> , 2007, 257, 609-621.	4.4	133
34	The scale and origin of the osmium isotope variations in mid-ocean ridge basalts. <i>Earth and Planetary Science Letters</i> , 2007, 259, 541-556.	4.4	133
35	Ancient melt extraction from the oceanic upper mantle revealed by Re-Os isotopes in abyssal peridotites from the Mid-Atlantic ridge. <i>Earth and Planetary Science Letters</i> , 2006, 244, 606-621.	4.4	267
36	Osmium Isotope Heterogeneity in the Constituent Phases of Mid-Ocean Ridge Basalts. <i>Science</i> , 2004, 303, 70-72.	12.6	54

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37	Peridotite xenoliths from Grenada, Lesser Antilles Island Arc. Contributions To Mineralogy and Petrology, 2003, 146, 241-262.	3.1	112
38	Ultramafic lamprophyres of the Ferrar large igneous province: evidence for a HIMU mantle component. Lithos, 2003, 66, 63-76.	1.4	48
39	Evidence for recycled Archaean oceanic mantle lithosphere in the Azores plume. Nature, 2002, 420, 304-307.	27.8	98
40	Geochemistry and tectonic significance of peridotites from the South Sandwich arc-basin system, South Atlantic. Contributions To Mineralogy and Petrology, 2000, 139, 36-53.	3.1	592
41	Deep mantle plume osmium isotope signature from West Greenland Tertiary picrites. Earth and Planetary Science Letters, 2000, 175, 105-118.	4.4	50
42	The redox state of subduction zones: insights from arc-peridotites. Chemical Geology, 1999, 160, 409-423.	3.3	452
43	Ancient Mantle in a Modern Arc: Osmium Isotopes in Izu-Bonin-Mariana Forearc Peridotites. , 1998, 281, 2011-2013.		169
44	Peridotites from the Izu-Bonin-Mariana Forearc (ODP Leg 125): Evidence for Mantle Melting and Melt-Mantle Interaction in a Supra-Subduction Zone Setting. Journal of Petrology, 1998, 39, 1577-1618.	2.8	717
45	Geochemistry of metasomatism adjacent to amphibole-bearing veins in the Lherz peridotite massif. Chemical Geology, 1996, 134, 135-157.	3.3	29
46	Trace element models for mantle melting: application to volcanic arc petrogenesis. Geological Society Special Publication, 1993, 76, 373-403.	1.3	380