

Ian H Campbell

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1714354/publications.pdf>

Version: 2024-02-01

179
papers

19,948
citations

7069

78
h-index

10708

138
g-index

188
all docs

188
docs citations

188
times ranked

7816
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved $^{206}\text{Pb}/^{238}\text{U}$ microprobe geochronology by the monitoring of a trace-element-related matrix effect; SHRIMP, ID-TIMS, ELA-ICP-MS and oxygen isotope documentation for a series of zircon standards. <i>Chemical Geology</i> , 2004, 205, 115-140.	1.4	1,472
2	Implications of mantle plume structure for the evolution of flood basalts. <i>Earth and Planetary Science Letters</i> , 1990, 99, 79-93.	1.8	1,091
3	Relative oxidation states of magmas inferred from Ce(IV)/Ce(III) in zircon: application to porphyry copper deposits of northern Chile. <i>Contributions To Mineralogy and Petrology</i> , 2002, 144, 347-364.	1.2	741
4	Stirring and structure in mantle starting plumes. <i>Earth and Planetary Science Letters</i> , 1990, 99, 66-78.	1.8	548
5	The influence of silicate:sulfide ratios on the geochemistry of magmatic sulfides. <i>Economic Geology</i> , 1979, 74, 1503-1506.	1.8	443
6	Melting in an Archaean mantle plume: heads it's basalts, tails it's komatiites. <i>Nature</i> , 1989, 339, 697-699.	13.7	419
7	A Model for the Origin of the Platinum-Rich Sulfide Horizons in the Bushveld and Stillwater Complexes. <i>Journal of Petrology</i> , 1983, 24, 133-165.	1.1	380
8	Synchronism of the Siberian Traps and the Permian-Triassic Boundary. <i>Science</i> , 1992, 258, 1760-1763.	6.0	368
9	Ion microprobe U^{235}/Pb ages for Neoproterozoic basaltic magmatism in south-central Australia and implications for the breakup of Rodinia. <i>Precambrian Research</i> , 1998, 87, 135-159.	1.2	347
10	Formation of supercontinents linked to increases in atmospheric oxygen. <i>Nature Geoscience</i> , 2008, 1, 554-558.	5.4	323
11	Frontiers in large igneous province research. <i>Lithos</i> , 2005, 79, 271-297.	0.6	311
12	Did the Transgondwanan Supermountain trigger the explosive radiation of animals on Earth?. <i>Earth and Planetary Science Letters</i> , 2006, 250, 116-133.	1.8	286
13	No water, no granites - No oceans, no continents. <i>Geophysical Research Letters</i> , 1983, 10, 1061-1064.	1.5	284
14	Mantle Plumes and Continental Tectonics. <i>Science</i> , 1992, 256, 186-193.	6.0	278
15	Interaction of mantle plume heads with the Earth's surface and onset of small-scale convection. <i>Journal of Geophysical Research</i> , 1991, 96, 18295-18310.	3.3	275
16	Testing the plume theory. <i>Chemical Geology</i> , 2007, 241, 153-176.	1.4	263
17	Some problems with the cumulus theory. <i>Lithos</i> , 1978, 11, 311-323.	0.6	257
18	Zircon $\text{Ce}^{4+}/\text{Ce}^{3+}$ ratios and ages for Yulong ore-bearing porphyries in eastern Tibet. <i>Mineralium Deposita</i> , 2006, 41, 152-159.	1.7	257

#	ARTICLE	IF	CITATIONS
19	Large Igneous Provinces and the Mantle Plume Hypothesis. <i>Elements</i> , 2005, 1, 265-269.	0.5	254
20	A two-stage model for the formation of the granite-greenstone terrains of the Kalgoorlie-Norseman area, Western Australia. <i>Earth and Planetary Science Letters</i> , 1988, 90, 11-25.	1.8	253
21	The Tarim picriteâ€“basaltâ€“rhyolite suite, a Permian flood basalt from northwest China with contrasting rhyolites produced by fractional crystallization and anatexis. <i>Contributions To Mineralogy and Petrology</i> , 2010, 160, 407-425.	1.2	237
22	Convection and mixing in magma chambers. <i>Earth-Science Reviews</i> , 1986, 23, 255-352.	4.0	236
23	A re-evaluation of the olivine-spinel geothermometer. <i>Contributions To Mineralogy and Petrology</i> , 1979, 68, 325-334.	1.2	234
24	Trace-element geochemistry of ore-associated and barren, felsic metavolcanic rocks in the Superior Province, Canada. <i>Canadian Journal of Earth Sciences</i> , 1986, 23, 222-237.	0.6	227
25	Zircon xenocrysts from the Kambalda volcanics: age constraints and direct evidence for older continental crust below the Kambalda-Norseman greenstones. <i>Earth and Planetary Science Letters</i> , 1986, 76, 299-311.	1.8	207
26	The Changing Nature of Mantle Hotspots through Time: Implications for the Chemical Evolution of the Mantle. <i>Journal of Geology</i> , 1992, 100, 497-523.	0.7	203
27	Two ages of porphyry intrusion resolved for the super-giant Chuquibambilla copper deposit of northern Chile by ELA-ICP-MS and SHRIMP. <i>Geology</i> , 2001, 29, 383.	2.0	202
28	The effects of temperature, oxygen fugacity and melt composition on the behaviour of chromium in basic and ultrabasic melts. <i>Geochimica Et Cosmochimica Acta</i> , 1986, 50, 1871-1887.	1.6	195
29	Holocene erosion of the Lesser Himalaya triggered by intensified summer monsoon. <i>Geology</i> , 2008, 36, 79.	2.0	174
30	Rare earth element systematics in scheelite from hydrothermal gold deposits in the Kalgoorlie-Norseman region, Western Australia. <i>Economic Geology</i> , 1999, 94, 423-437.	1.8	172
31	Combined single-grain (U-Th)/He and U/Pb dating of detrital zircons from the Navajo Sandstone, Utah. <i>Geology</i> , 2003, 31, 761.	2.0	163
32	Turbulent fountains in an open chamber. <i>Journal of Fluid Mechanics</i> , 1990, 212, 557.	1.4	153
33	Progressive mixing of meteoritic veneer into the early Earthâ€™s deep mantle. <i>Nature</i> , 2009, 460, 620-623.	13.7	153
34	Genesis of flood basalts from eclogite-bearing mantle plumes. <i>Journal of Geophysical Research</i> , 1997, 102, 20179-20197.	3.3	152
35	(U-Th)/(He-Pb) double dating of detrital zircons. <i>Numerische Mathematik</i> , 2005, 305, 259-311.	0.7	148
36	The Influence of Viscosity on Fountains in Magma Chambers. <i>Journal of Petrology</i> , 1986, 27, 1-30.	1.1	143

#	ARTICLE	IF	CITATIONS
37	The Age of the Potassic Alkaline Igneous Rocks along the Ailao Shan–Red River Shear Zone: Implications for the Onset Age of Left–Lateral Shearing. <i>Journal of Geology</i> , 2007, 115, 231-242.	0.7	136
38	Evolution of the African continental crust as recorded by U–Pb, Lu–Hf and O isotopes in detrital zircons from modern rivers. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 107, 96-120.	1.6	136
39	He–Pb double dating of detrital zircons from the Ganges and Indus Rivers: Implication for quantifying sediment recycling and provenance studies. <i>Earth and Planetary Science Letters</i> , 2005, 237, 402-432.	1.8	135
40	Plagioclase buoyancy in basaltic liquids as determined with a centrifuge furnace. <i>Contributions To Mineralogy and Petrology</i> , 1978, 67, 369-377.	1.2	133
41	Chemical geodynamics in a back arc region around the Sea of Japan: Implications for the genesis of alkaline basalts in Japan, Korea, and China. <i>Journal of Geophysical Research</i> , 1989, 94, 4634-4654.	3.3	128
42	Geochemical and fluid dynamic modeling of compositional variations in Archean komatiite-hosted nickel sulfide ores in Western Australia. <i>Economic Geology</i> , 1993, 88, 804-816.	1.8	125
43	Lithospheric controls on magma composition along Earth’s longest continental hotspot track. <i>Nature</i> , 2015, 525, 511-514.	13.7	125
44	The influence of subduction processes on the geochemistry of Japanese alkaline basalts. <i>Nature</i> , 1985, 316, 55-58.	13.7	122
45	Timing and source constraints on the relationship between mafic and felsic intrusions in the Emeishan large igneous province. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 1374-1395.	1.6	122
46	Fountains in Magma Chambers. <i>Journal of Petrology</i> , 1989, 30, 885-923.	1.1	121
47	Rare-earth element mobility in alteration pipes below massive Cu–Zn-sulfide deposits. <i>Chemical Geology</i> , 1984, 45, 181-202.	1.4	119
48	The dynamics of magma-mixing during flow in volcanic conduits. <i>Contributions To Mineralogy and Petrology</i> , 1986, 94, 72-81.	1.2	119
49	Compositional and thermal convection in magma chambers. <i>Contributions To Mineralogy and Petrology</i> , 1987, 96, 465-475.	1.2	117
50	Identification and elimination of a matrix-induced systematic error in LA–ICP–MS ²⁰⁶ Pb/ ²³⁸ U dating of zircon. <i>Chemical Geology</i> , 2012, 332-333, 157-165.	1.4	117
51	The mountains that triggered the Late Neoproterozoic increase in oxygen: The Second Great Oxidation Event. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 4187-4206.	1.6	115
52	Rate of growth of the preserved North American continental crust: Evidence from Hf and O isotopes in Mississippi detrital zircons. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 712-728.	1.6	113
53	A 3500 Ma plutonic and volcanic calc-alkaline province in the Archaean East Pilbara Block. <i>Contributions To Mineralogy and Petrology</i> , 1983, 84, 25-35.	1.2	110
54	Solubility of Pt in sulphide mattes: Implications for the genesis of PGE-rich horizons in layered intrusions. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 5764-5777.	1.6	110

#	ARTICLE	IF	CITATIONS
55	Distribution of Orthocumulate Textures in the Jimberlana Intrusion. <i>Journal of Geology</i> , 1987, 95, 35-53.	0.7	106
56	Niobium/Uranium Evidence for Early Formation of the Continental Crust. <i>Science</i> , 1997, 275, 521-523.	6.0	105
57	Evidence against a chondritic Earth. <i>Nature</i> , 2012, 483, 553-558.	13.7	103
58	New Insights into Crustal Contributions to Large-volume Rhyolite Generation in the Mid-Tertiary Sierra Madre Occidental Province, Mexico, Revealed by U-Pb Geochronology. <i>Journal of Petrology</i> , 2008, 49, 47-77.	1.1	101
59	The origin of shoshonites: new insights from the Tertiary high-potassium intrusions of eastern Tibet. <i>Contributions To Mineralogy and Petrology</i> , 2014, 167, 1.	1.2	100
60	The Role of Late Sulfide Saturation in the Formation of a Cu- and Au-rich Magma: Insights from the Platinum Group Element Geochemistry of Niutahi-Motutahi Lavas, Tonga Rear Arc. <i>Journal of Petrology</i> , 2015, 56, 59-81.	1.1	99
61	The Effect of Postcumulus Reactions on Composition of Chrome-spinels from the Jimberlana Intrusion. <i>Journal of Petrology</i> , 1985, 26, 763-786.	1.1	96
62	On the dynamics of long-lived plume conduits in the convecting mantle. <i>Earth and Planetary Science Letters</i> , 1991, 103, 214-227.	1.8	96
63	Petrogenesis and Geochemistry of Archean Komatiites. <i>Journal of Petrology</i> , 2016, 57, 147-184.	1.1	96
64	Evidence for Multiple Recycling in Neoproterozoic through Pennsylvanian Sedimentary Rocks of the Central Appalachian Basin. <i>Journal of Geology</i> , 2004, 112, 261-276.	0.7	95
65	Enrichment of Rh, Ru, Ir and Os in Cr spinels from oxidized magmas: Evidence from the Ambae volcano, Vanuatu. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 78, 28-50.	1.6	94
66	Hafnium and iron isotopes in early Archean komatiites record a plume-driven convection cycle in the Hadean Earth. <i>Earth and Planetary Science Letters</i> , 2014, 397, 111-120.	1.8	94
67	Turbulent mixing between fluids with different viscosities. <i>Nature</i> , 1985, 313, 39-42.	13.7	92
68	Trace-element modeling of the magmatic evolution of rare-earth-rich carbonatite from the Miaoya deposit, Central China. <i>Lithos</i> , 2010, 118, 145-155.	0.6	92
69	The age and origin of younger granitic plutons of the Shaw Batholith in the Archaean Pilbara Block, Western Australia. <i>Contributions To Mineralogy and Petrology</i> , 1989, 101, 361-376.	1.2	90
70	ELA-ICP-MS U-Pb zircon geochronology of regional volcanism hosting the Bajo de la Alumbrera Cu-Au deposit: implications for porphyry-related mineralization. <i>Mineralium Deposita</i> , 2004, 39, 46-67.	1.7	89
71	Preservation of near-solar neon isotopic ratios in Icelandic basalts. <i>Earth and Planetary Science Letters</i> , 2000, 180, 309-324.	1.8	88
72	A Study of Macro-Rhythmic Layering and Cumulate Processes in the Jimberlana Intrusion, Western Australia. Part I: The Upper Layered Series. <i>Journal of Petrology</i> , 1977, 18, 183-215.	1.1	85

#	ARTICLE	IF	CITATIONS
73	The difference between oceanic and continental tholeiites: a fluid dynamic explanation. <i>Contributions To Mineralogy and Petrology</i> , 1985, 91, 37-43.	1.2	85
74	How chalcophile is rhenium? An experimental study of the solubility of Re in sulphide mattes. <i>Earth and Planetary Science Letters</i> , 2007, 260, 537-548.	1.8	84
75	Comparison of the Daluxiang and Maoniuping carbonatitic REE deposits with Bayan Obo REE deposit, China. <i>Lithos</i> , 2008, 106, 12-24.	0.6	83
76	Chemical geodynamics in the back-arc region of Japan based on the trace element and Sr–Nd isotopic compositions. <i>Tectonophysics</i> , 1990, 174, 207-233.	0.9	82
77	U–Th–Pb detrital zircon geochronology from the southern Prince Charles Mountains, East Antarctica—Defining the Archaean to Neoproterozoic Ruker Province. <i>Precambrian Research</i> , 2006, 148, 292-306.	1.2	82
78	Late Archaean granites of the southeastern Yilgarn Block, Western Australia: age, geochemistry, and origin. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , 1992, 83, 211-226.	0.3	81
79	Constraints on continental growth models from Nb/U ratios in the 3.5 Ga Barberton and other Archaean basalt–komatiite suites. <i>Numerische Mathematik</i> , 2003, 303, 319-351.	0.7	80
80	Thermochronology of mineral grains in the Red and Mekong Rivers, Vietnam: Provenance and exhumation implications for Southeast Asia. <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	1.0	80
81	Platinum-alloy and sulfur saturation in an arc-related basalt to rhyolite suite: Evidence from the Pual Ridge lavas, the Eastern Manus Basin. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 101, 76-95.	1.6	80
82	Petrology of the G and H Chromitite Zones in the Mountain View Area of the Stillwater Complex, Montana. <i>Journal of Petrology</i> , 1993, 34, 291-316.	1.1	79
83	Temperature, density and buoyancy fluxes in “black smoker” plumes, and the criterion for buoyancy reversal. <i>Earth and Planetary Science Letters</i> , 1987, 86, 85-92.	1.8	76
84	Implications of Nb/U, Th/U and Sm/Nd in plume magmas for the relationship between continental and oceanic crust formation and the development of the depleted mantle. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 1651-1661.	1.6	76
85	Solubility of Os and Ir in sulfide melt: Implications for Re/Os fractionation during mantle melting. <i>Earth and Planetary Science Letters</i> , 2011, 311, 339-350.	1.8	76
86	Precious metals in the Jimberlana Intrusion, Western Australia; implications for the genesis of platiniferous ores in layered intrusions. <i>Economic Geology</i> , 1981, 76, 1118-1141.	1.8	75
87	The evolution of the mantle's chemical structure. <i>Lithos</i> , 1993, 30, 389-399.	0.6	74
88	Growth rate of the preserved continental crust: II. Constraints from Hf and O isotopes in detrital zircons from Greater Russian Rivers. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 1308-1345.	1.6	74
89	Platinum group element abundances in the upper continental crust revisited “ New constraints from analyses of Chinese loess. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 93, 63-76.	1.6	73
90	A fluid dynamic model for the potholes of the Merensky Reef. <i>Economic Geology</i> , 1986, 81, 1118-1125.	1.8	72

#	ARTICLE	IF	CITATIONS
91	Archean komatiites and geotherms: Solution to an apparent contradiction. <i>Geophysical Research Letters</i> , 1983, 10, 1133-1136.	1.5	71
92	Multimillion year thermal history of a porphyry copper deposit: application of U-Pb, ⁴⁰ Ar/ ³⁹ Ar and (U-Th)/He chronometers, Bajo de la Alumbrera copper-gold deposit, Argentina. <i>Mineralium Deposita</i> , 2008, 43, 295-314.	1.7	71
93	S-type granites: Their origin and distribution through time as determined from detrital zircons. <i>Earth and Planetary Science Letters</i> , 2020, 536, 116140.	1.8	70
94	Age and origin of granitic rocks in the kalgoorlie-norseman region of Western Australia: Implications for the origin of archaean crust. <i>Geochimica Et Cosmochimica Acta</i> , 1989, 53, 1259-1275.	1.6	69
95	Flat rare earth element patterns as an indicator of cumulate processes in the Lesser Qinling carbonatites, China. <i>Lithos</i> , 2007, 95, 267-278.	0.6	68
96	Oxygen solubility and speciation in sulphide-rich mattes. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 2619-2635.	1.6	68
97	A Laboratory Investigation of Assimilation at the Top of a Basaltic Magma Chamber. <i>Journal of Geology</i> , 1987, 95, 155-172.	0.7	65
98	Role of late magmatic fluids in Merensky-type platinum deposits: A discussion. <i>Geology</i> , 1988, 16, 488.	2.0	65
99	Mantle convection and early crustal evolution. <i>Precambrian Research</i> , 1984, 26, 15-56.	1.2	63
100	Two cycles of voluminous pyroclastic volcanism and sedimentation related to episodic granite emplacement during the late Archean: Eastern Yilgarn Craton, Western Australia. <i>Precambrian Research</i> , 2010, 183, 251-274.	1.2	63
101	SHRIMP baddeleyite age for the Fraser Dyke Swarm, southeast Yilgarn Craton, Western Australia. <i>Australian Journal of Earth Sciences</i> , 2000, 47, 309-313.	0.4	60
102	The role of subvolcanic sills in the generation of massive sulfide deposits. <i>Economic Geology</i> , 1981, 76, 2248-2253.	1.8	57
103	Predominance of Grenvillian Magmatism Recorded in Detrital Zircons from Modern Appalachian Rivers. <i>Journal of Geology</i> , 2003, 111, 707-717.	0.7	57
104	U-Pb zircon age, geochemical and isotopic characteristics of carbonatite and syenite complexes from the Shaxiongdong, China. <i>Lithos</i> , 2008, 105, 118-128.	0.6	57
105	U-Pb Zircon Geochronology of Granitic Rocks from the Chuquicamata-El Abra Porphyry Copper Belt of Northern Chile: Excimer Laser Ablation ICP-MS Analysis. <i>Economic Geology</i> , 2006, 101, 1327-1344.	1.8	51
106	A lower crustal origin for massif-type anorthosites. <i>Nature</i> , 1984, 311, 372-374.	13.7	50
107	Crustal magmatic controls on the formation of porphyry copper deposits. <i>Nature Reviews Earth & Environment</i> , 2021, 2, 542-557.	12.2	50
108	Composition-volume changes during hydrothermal alteration of andesite at Buttercup Hill, Noranda District, Quebec. <i>Geochimica Et Cosmochimica Acta</i> , 1986, 50, 2693-2705.	1.6	48

#	ARTICLE	IF	CITATIONS
109	The Great Plume Debate: Testing the plume theory. <i>Chemical Geology</i> , 2007, 241, 149-152.	1.4	48
110	Evolution of a ~ 4.7 Ga large igneous province: A volcanological, geochemical and geochronological study of the Agnew Greenstone Belt, and new regional correlations for the Kalgoorlie Terrane (Yilgarn Craton, Western Australia). <i>Precambrian Research</i> , 2015, 270, 334-368.	1.2	48
111	Sm-Nd isotope systematics in uranium rare-earth element mineralization at the Mary Kathleen uranium mine, Queensland. <i>Economic Geology</i> , 1987, 82, 1805-1826.	1.8	47
112	Using Platinum Group Elements to Identify Sulfide Saturation in a Porphyry Cu System: the El Abra Porphyry Cu Deposit, Northern Chile. <i>Journal of Petrology</i> , 2015, 56, 2491-2514.	1.1	45
113	Raising the continental crust. <i>Earth and Planetary Science Letters</i> , 2017, 460, 112-122.	1.8	45
114	Chalcophile element fertility and the formation of porphyry Cu \pm Au deposits. <i>Mineralium Deposita</i> , 2019, 54, 657-670.	1.7	45
115	Rare earth elements in volcanic rocks associated with Cu-Zn massive sulphide mineralization: a preliminary report. <i>Canadian Journal of Earth Sciences</i> , 1982, 19, 619-623.	0.6	44
116	Age of the Los Ranchos Formation, Dominican Republic: Timing and tectonic setting of primitive island arc volcanism in the Caribbean region. <i>Bulletin of the Geological Society of America</i> , 2005, 117, 987.	1.6	44
117	Did the formation of D_3 cause the Archaean-Proterozoic transition?. <i>Earth and Planetary Science Letters</i> , 2014, 388, 1-8.	1.8	42
118	The concurrent emergence and causes of double volcanic hotspot tracks on the Pacific plate. <i>Nature</i> , 2017, 545, 472-476.	13.7	41
119	Monsoon control over erosion patterns in the Western Himalaya: possible feed-back into the tectonic evolution. <i>Geological Society Special Publication</i> , 2010, 342, 185-218.	0.8	40
120	Thermochronology of the modern Indus River bedload: New insight into the controls on the marine stratigraphic record. <i>Tectonics</i> , 2004, 23, n/a-n/a.	1.3	39
121	Identification of ancient mantle plumes. , 2001, , .		38
122	Platinum-group element geochemistry used to determine Cu and Au fertility in the Northparkes igneous suites, New South Wales, Australia. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 216, 372-392.	1.6	38
123	A subsidiary fast-diffusing substitution mechanism of Al in forsterite investigated using diffusion experiments under controlled thermodynamic conditions. <i>Contributions To Mineralogy and Petrology</i> , 2017, 172, 1.	1.2	38
124	Sm-Nd systematics of hydrothermal scheelite from the Mount Charlotte Mine, Kalgoorlie, Western Australia; an isotopic link between gold mineralization and komatiites. <i>Economic Geology</i> , 1995, 90, 2329-2335.	1.8	37
125	A note on fluid dynamic processes which can influence the deposition of massive sulfides. <i>Economic Geology</i> , 1984, 79, 1905-1913.	1.8	36
126	Geochronology of supracrustal rocks from the Golden Grove area, Murchison Province, Yilgarn Craton, Western Australia—. <i>Australian Journal of Earth Sciences</i> , 1998, 45, 571-577.	0.4	36

#	ARTICLE	IF	CITATIONS
127	Do mantle plumes preserve the heterogeneous structure of their deep-mantle source?. <i>Earth and Planetary Science Letters</i> , 2016, 434, 10-17.	1.8	36
128	Review of the application of isotopic studies to the genesis of Cu-Au mineralisation at Olympic Dam and Au mineralisation at Porgera, the Tennant Creek district and Yilgarn Craton. <i>Australian Journal of Earth Sciences</i> , 1998, 45, 201-218.	0.4	34
129	Geochronological constraints on the age of komatiites and nickel mineralisation in the Lake Johnston greenstone belt, Yilgarn Craton, Western Australia. <i>Australian Journal of Earth Sciences</i> , 1996, 43, 381-385.	0.4	33
130	Chronology of the Mount Magnet granite-greenstone terrain, Yilgarn Craton, Western Australia: implications for field based predictions of the relative timing of granitoid emplacement. <i>Precambrian Research</i> , 1996, 78, 237-260.	1.2	33
131	Constraints on the age of granitoid emplacement, metamorphism, gold mineralization, and subsequent cooling of the Archean greenstone terrane at Big Bell, Western Australia. <i>Economic Geology</i> , 1996, 91, 896-915.	1.8	33
132	Platinum-group elements and gold in the komatiite-hosted Fe-Ni-Cu sulfide deposits at Kambalda, Western Australia. <i>Economic Geology</i> , 1986, 81, 1226-1235.	1.8	32
133	Multiple Sulfur Isotope Analyses Support a Magmatic Model for the Volcanogenic Massive Sulfide Deposits of the Teutonic Bore Volcanic Complex, Yilgarn Craton, Western Australia. <i>Economic Geology</i> , 2015, 110, 1411-1423.	1.8	32
134	K-Ar ages of basalts from the Higashi-Matsuura district, northwestern Kyushu, Japan and regional geochronology of the Cenozoic alkaline volcanic rocks in eastern Asia.. <i>Geochemical Journal</i> , 1986, 20, 91-99.	0.5	30
135	A laboratory and theoretical study of the growth of "black smoker" chimneys. <i>Earth and Planetary Science Letters</i> , 1987, 82, 36-48.	1.8	29
136	The structure and shape of the Jimberlana Intrusion, Western Australia, as indicated by an investigation of the Bronzite Complex. <i>Geological Magazine</i> , 1976, 113, 129-139.	0.9	28
137	Empirical constraints on partitioning of platinum group elements between Cr-spinel and primitive terrestrial magmas. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 216, 393-416.	1.6	27
138	Platinum-Group Element Geochemistry of the Escondida Igneous Suites, Northern Chile: Implications for Ore Formation. <i>Journal of Petrology</i> , 2019, 60, 487-514.	1.1	26
139	The geochemistry of loweringite, a uranium-rare-earth-bearing accessory phase from the Jimberlana Intrusion of Western Australia. <i>Mineralogical Magazine</i> , 1978, 42, 187-193.	0.6	26
140	Provenance of Eocene river sediments from the central northern Sierra Nevada and implications for paleotopography. <i>Tectonics</i> , 2010, 29, n/a-n/a.	1.3	25
141	Chalcophile element geochemistry of the Boggy Plain zoned pluton, southeastern Australia: a S-saturated barren compositionally diverse magmatic system. <i>Contributions To Mineralogy and Petrology</i> , 2013, 165, 217-236.	1.2	25
142	When do mantle plumes destroy diamonds?. <i>Earth and Planetary Science Letters</i> , 2018, 502, 244-252.	1.8	25
143	Pyroxene accumulation in spinifex-textured rocks. <i>Geological Magazine</i> , 1982, 119, 605-610.	0.9	24
144	Sm-Nd and Rb-Sr dating of an Archean massive sulfide deposit: Kidd Creek, Ontario. <i>Geology</i> , 1986, 14, 585.	2.0	23

#	ARTICLE	IF	CITATIONS
145	A Strontium Isotopic Investigation of the Bjerkreim-Sokndal Layered Intrusion, Southwest Norway. <i>Journal of Petrology</i> , 1996, 37, 171-193.	1.1	23
146	Abundances of platinum group elements in native sulfur condensates from the Niuatahi-Motutahi submarine volcano, Tonga rear arc: Implications for PGE mineralization in porphyry deposits. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 174, 236-246.	1.6	22
147	Factors effecting the stability field of Ca-poor pyroxene and the origin of the Ca-poor minimum in Ca-rich pyroxenes from tholeiitic intrusions. <i>Contributions To Mineralogy and Petrology</i> , 1974, 48, 205-219.	1.2	21
148	Platinum-group element geochemistry of the Forest Reef Volcanics, southeastern Australia: Implications for porphyry Au-Cu mineralisation. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 220, 385-406.	1.6	21
149	The temporal distribution of Earth's supermountains and their potential link to the rise of atmospheric oxygen and biological evolution. <i>Earth and Planetary Science Letters</i> , 2022, 580, 117391.	1.8	21
150	New constraints on the ^{138}La β -decay constant based on a geochronological study of granites from the Yilgarn Block, Western Australia. <i>Chemical Geology</i> , 1993, 104, 293-300.	1.4	20
151	Pre-eruptive uplift in the Emeishan?. <i>Nature Geoscience</i> , 2009, 2, 530-531.	5.4	20
152	Accessory phases and the generation of LREE-Enriched basalts ? A test for disequilibrium melting. <i>Contributions To Mineralogy and Petrology</i> , 1980, 72, 157-163.	1.2	17
153	Age of granite emplacement in the Norseman region of Western Australia. <i>Australian Journal of Earth Sciences</i> , 1993, 40, 559-574.	0.4	17
154	Age of the Pueblo Viejo Gold-Silver Deposit and Its Significance to Models for High-Sulfidation Epithermal Mineralization. <i>Economic Geology</i> , 2005, 100, 253-272.	1.8	16
155	Platinum Group Element Geochemistry of Andesite Intrusions of the Kelian Region, East Kalimantan, Indonesia: Implications of Gold Depletion in the Intrusions Associated with the Kelian Gold Deposit. <i>Economic Geology</i> , 2007, 102, 95-108.	1.8	15
156	The Age of the Potassic Alkaline Igneous Rocks along the Ailao Shan "Red River Shear Zone: Implications for the Onset Age of Left-Lateral Shearing: A Reply. <i>Journal of Geology</i> , 2008, 116, 205-207.	0.7	14
157	Using precious metal probes to quantify mid-ocean ridge magmatic processes. <i>Earth and Planetary Science Letters</i> , 2021, 553, 116603.	1.8	14
158	Chromitite layers indicate the existence of large, long-lived, and entirely molten magma chambers. <i>Scientific Reports</i> , 2022, 12, 4092.	1.6	14
159	Laboratory modeling of convection in magma chambers: Crystallization against sloping floors. <i>Journal of Geophysical Research</i> , 1988, 93, 7974-7988.	3.3	13
160	The eruption of komatiites and picrites in preference to primitive basalts. <i>Earth and Planetary Science Letters</i> , 1991, 105, 343-352.	1.8	12
161	Geological Note: A post-metamorphic age for gold mineralization at Lady Bountiful, Yilgarn Block, Western Australia. <i>Australian Journal of Earth Sciences</i> , 1989, 36, 313-316.	0.4	11
162	Asteroids and andesites. <i>Nature</i> , 2009, 459, E1-E1.	13.7	11

#	ARTICLE	IF	CITATIONS
163	The largest Au deposits in the St Ives Goldfield (Yilgarn Craton, Western Australia) may be located in a major Neoproterozoic volcano-sedimentary depo-centre. <i>Mineralium Deposita</i> , 2013, 48, 861-881.	1.7	11
164	Geochronology, Petrogenesis and Oxidation State of the Northparkes Igneous Suite, New South Wales, Australia: Implications for Magma Fertility. <i>Economic Geology</i> , 0, , .	1.8	9
165	Diffusion and solubilities of Rh, Ru and Ir in olivine and spinel. <i>Chemical Geology</i> , 2018, 494, 19-29.	1.4	8
166	Comment on discussion by Engi and Evans. <i>Contributions To Mineralogy and Petrology</i> , 1980, 73, 205-206.	1.2	7
167	Emplacement origins of coarsely-crystalline mafic rocks hosted in greenstone belts: Examples from the 2.7 Ga Yilgarn Craton, Western Australia. <i>Precambrian Research</i> , 2019, 324, 236-252.	1.2	7
168	Direct evidence of present-day serpentinization in the Jimberlana Intrusion, Western Australia. <i>Geological Magazine</i> , 1975, 112, 77-80.	0.9	6
169	THE MINERALOGY OF THE BELLEROPHON-NELSON TELLURIDE-BEARING GOLD DEPOSIT, ST. IVES CAMP, YILGARN CRATON, WESTERN AUSTRALIA. <i>Canadian Mineralogist</i> , 2014, 52, 981-1006.	0.3	6
170	Nd-Hf isotopic systematics of the arc mantle and their implication for continental crust growth. <i>Chemical Geology</i> , 2022, 602, 120897.	1.4	5
171	Role of magma differentiation depth in controlling the Au grade of giant porphyry deposits. <i>Earth and Planetary Science Letters</i> , 2022, 593, 117640.	1.8	5
172	Trace-element geochemistry of ore-associated and barren, felsic metavolcanic rocks in the Superior Province, Canada: Reply. <i>Canadian Journal of Earth Sciences</i> , 1987, 24, 1500-1501.	0.6	4
173	Detrital zircon U-Pb-He double dating: A method of quantifying long- and short-term exhumation rates in collisional orogens. <i>Science China Earth Sciences</i> , 2014, 57, 2702-2711.	2.3	4
174	Discussion: "Xenoliths in ultrapotassic volcanic rocks in the Lhasa block: direct evidence for crust-mantle mixing and metamorphism in the deep crust" by Wang et al. 2016 (<i>Contributions to Tj ETQq0 0 0.2gBT /Overlock 10 T</i>)	0.2	0
175	Kinetic factors control trace element and isotope zoning in Archean pyrite corona nodules. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 315, 230-250.	1.6	3
176	Platinum-group element geochemistry of the volcanic rocks associated with the Jaguar and Bentley Cu-Zn volcanogenic massive sulfide (VMS) deposits, Western Australia: implications for the role of chalcophile element fertility on VMS mineralization. <i>Mineralium Deposita</i> , 2021, 56, 583-600.	1.7	2
177	Geochronological and geochemical study on the Yulong porphyry copper ore belt in eastern Tibet, China. , 2005, , 1235-1237.		1
178	Mantle Plume, <i>Planetary.</i> , 2014, , 1-2.		0
179	Mantle Plume, <i>Planetary.</i> , 2015, , 1440-1442.		0