Ian H Campbell

List of Publications by Year
in descending order

180 papers	19,948 citations	7096 78 h-index	10734 138 g-index
188 all docs	188 docs citations	188 times ranked	7816 citing authors

#	Article	IF	Citations
1	Improved 206Pb/238U microprobe geochronology by the monitoring of a trace-element-related matrix effect; SHRIMP, IDâ€“TIMS, ELAâ€“ICPâ€“MS and oxygen isotope documentation for a series of zircon standards. Chemical Geology, 2004, 205, 115-140.	3.3	1,472
2	Implications of mantle plume structure for the evolution of flood basalts. Earth and Planetary Science Letters, 1990, 99, 79-93.	4.4	1,091
3	Relative oxidation states of magmas inferred from Ce(IV)/Ce(III) in zircon: application to porphyry copper deposits of northern Chile. Contributions To Mineralogy and Petrology, 2002, 144, 347-364.	3.1	741
4	Stirring and structure in mantle starting plumes. Earth and Planetary Science Letters, 1990, 99, 66-78.	4.4	548
5	The influence of silicate:sulfide ratios on the geochemistry of magmatic sulfides. Economic Geology, 1979, 74, 1503-1506.	3.8	443
6	Melting in an Archaean mantle plume: heads it's basalts, tails it's komatiites. Nature, 1989, 339, 697-699.	27.8	419
7	A Model for the Origin of the Platinum-Rich Sulfide Horizons in the Bushveld and Stillwater Complexes. Journal of Petrology, 1983, 24, 133-165.	2.8	380
8	Synchronism of the Siberian Traps and the Permian-Triassic Boundary. Science, 1992, 258, 1760-1763.	12.6	368
9	Ion microprobe Uâ€“Pb ages for Neoproterozoic basaltic magmatism in south-central Australia and implications for the breakup of Rodinia. Precambrian Research, 1998, 87, 135-159.	2.7	347
10	Formation of supercontinents linked to increases in atmospheric oxygen. Nature Geoscience, 2008, 1, 554-558.	12.9	323
11	Frontiers in large igneous province research. Lithos, 2005, 79, 271-297.	1.4	311
12	Did the Transgondwanan Supermountain trigger the explosive radiation of animals on Earth?. Earth and Planetary Science Letters, 2006, 250, 116-133.	4.4	286
13	No water, no granites â€•No oceans, no continents. Geophysical Research Letters, 1983, 10, 1061-1064.	4.0	284
14	Mantle Plumes and Continental Tectonics. Science, 1992, 256, 186-193.	12.6	278
15	Interaction of mantle plume heads with the Earth's surface and onset of smallâ€scale convection. Journal of Geophysical Research, 1991, 96, 18295-18310.	3.3	275
16	Testing the plume theory. Chemical Geology, 2007, 241, 153-176.	3.3	263
17	Some problems with the cumulus theory. Lithos, 1978, 11, 311-323.	1.4	257
18	Zircon Ce4+/Ce3+ ratios and ages for Yulong ore-bearing porphyries in eastern Tibet. Mineralium Deposita, 2006, 41, 152-159.	4.1	257

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19	Large Igneous Provinces and the Mantle Plume Hypothesis. Elements, 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. Earth and Planetary Science Letters, 1988, 90, 11-25.	4.4	253
21	The Tarim picriteâ€“basaltâ€“rhyolite suite, a Permian flood basalt from northwest China with contrasting rhyolites produced by fractional crystallization and anatexis. Contributions To Mineralogy and Petrology, 2010, 160, 407-425.	3.1	237
22	Convection and mixing in magma chambers. Earth-Science Reviews, 1986, 23, 255-352.	9.1	236
23	A re-evaluation of the olivine-spinel geothermometer. Contributions To Mineralogy and Petrology, 1979, 68, 325-334.	3.1	234
24	Trace-element geochemistry of ore-associated and barren, felsic metavolcanic rocks in the Superior Province, Canada. Canadian Journal of Earth Sciences, 1986, 23, 222-237.	1.3	227
25	Zircon xenocrysts from the Kambalda volcanics: age constraints and direct evidence for older continental crust below the Kambalda-Norseman greenstones. Earth and Planetary Science Letters, 1986, 76, 299-311.	4.4	207
26	The Changing Nature of Mantle Hotspots through Time: Implications for the Chemical Evolution of the Mantle. Journal of Geology, 1992, 100, 497-523.	1.4	203
27	Two ages of porphyry intrusion resolved for the super-giant Chuquicamata copper deposit of northern Chile by ELA-ICP-MS and SHRIMP. Geology, 2001, 29, 383.	4.4	202
28	The effects of temperature, oxygen fugacity and melt composition on the behaviour of chromium in basic and ultrabasic melts. Geochimica Et Cosmochimica Acta, 1986, 50, 1871-1887.	3.9	195
29	Holocene erosion of the Lesser Himalaya triggered by intensified summer monsoon. Geology, 2008, 36, 79.	4.4	174
30	Rare earth element systematics in scheelite from hydrothermal gold deposits in the Kalgoorlie-Norseman region, Western Australia. Economic Geology, 1999, 94, 423-437.	3.8	172
31	Combined single-grain (U-Th)/He and U/Pb dating of detrital zircons from the Navajo Sandstone, Utah. Geology, 2003, 31, 761.	4.4	163
32	Turbulent fountains in an open chamber. Journal of Fluid Mechanics, 1990, 212, 557.	3.4	153
33	Progressive mixing of meteoritic veneer into the early Earthâ€™s deep mantle. Nature, 2009, 460, 620-623.	27.8	153
34	Genesis of flood basalts from eclogite-bearing mantle plumes. Journal of Geophysical Research, 1997, 102, 20179-20197.	3.3	152
35	(U-Th)/(He-Pb) double dating of detrital zircons. Numerische Mathematik, 2005, 305, 259-311.	1.4	148
36	The Influence of Viscosity on Fountains in Magma Chambers. Journal of Petrology, 1986, 27, 1-30.	2.8	143

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37	The Age of the Potassic Alkaline Igneous Rocks along the Ailao Shanâ€“Red River Shear Zone: Implications for the Onset Age of Leftâ€Lateral Shearing. Journal of Geology, 2007, 115, 231-242.	1.4	136
38	Evolution of the African continental crust as recorded by Uâ€“Pb, Luâ€“Hf and O isotopes in detrital zircons from modern rivers. Geochimica Et Cosmochimica Acta, 2013, 107, 96-120.	3.9	136
39	Heâ€“Pb double dating of detrital zircons from the Ganges and Indus Rivers: Implication for quantifying sediment recycling and provenance studies. Earth and Planetary Science Letters, 2005, 237, 402-432.	4.4	135
40	Plagioclase buoyancy in basaltic liquids as determined with a centrifuge furnace. Contributions To Mineralogy and Petrology, 1978, 67, 369-377.	3.1	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. Journal of Geophysical Research, 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. Economic Geology, 1993, 88, 804-816.	3.8	125
43	Lithospheric controls on magma composition along Earthâ€™s longest continental hotspot track. Nature, 2015, 525, 511-514.	27.8	125
44	The influence of subduction processes on the geochemistry of Japanese alkaline basalts. Nature, 1985, 316, 55-58.	27.8	122
45	Timing and source constraints on the relationship between mafic and felsic intrusions in the Emeishan large igneous province. Geochimica Et Cosmochimica Acta, 2011, 75, 1374-1395.	3.9	122
46	Fountains in Magma Chambers. Journal of Petrology, 1989, 30, 885-923.	2.8	121
47	Rare-earth element mobility in alteration pipes below massive Cuî—¸Zn-sulfide deposits. Chemical Geology, 1984, 45, 181-202.	3.3	119
48	The dynamics of magma-mixing during flow in volcanic conduits. Contributions To Mineralogy and Petrology, 1986, 94, 72-81.	3.1	119
49	Compositional and thermal convection in magma chambers. Contributions To Mineralogy and Petrology, 1987, 96, 465-475.	3.1	117
50	Identification and elimination of a matrix-induced systematic error in LAâ€“ICPâ€“MS 206Pb/238U dating of zircon. Chemical Geology, 2012, 332-333, 157-165.	3.3	117
51	The mountains that triggered the Late Neoproterozoic increase in oxygen: The Second Great Oxidation Event. Geochimica Et Cosmochimica Acta, 2010, 74, 4187-4206.	3.9	115
52	Rate of growth of the preserved North American continental crust: Evidence from Hf and O isotopes in Mississippi detrital zircons. Geochimica Et Cosmochimica Acta, 2009, 73, 712-728.	3.9	113
53	A 3500 Ma plutonic and volcanic calc-alkaline province in the Archaean East Pilbara Block. Contributions To Mineralogy and Petrology, 1983, 84, 25-35.	3.1	110
54	Solubility of Pt in sulphide mattes: Implications for the genesis of PGE-rich horizons in layered intrusions. Geochimica Et Cosmochimica Acta, 2009, 73, 5764-5777.	3.9	110

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55	Distribution of Orthocumulate Textures in the Jimberlana Intrusion. Journal of Geology, 1987, 95, 35-53.	1.4	106
56	Niobium/Uranium Evidence for Early Formation of the Continental Crust. Science, 1997, 275, 521-523.	12.6	105
57	Evidence against a chondritic Earth. Nature, 2012, 483, 553-558.	27.8	103
58	New Insights into Crustal Contributions to Large-volume Rhyolite Generation in the Mid-Tertiary Sierra Madre Occidental Province, Mexico, Revealed by Uâ€“Pb Geochronology. Journal of Petrology, 2008, 49, 47-77.	2.8	101
59	The origin of shoshonites: new insights from the Tertiary high-potassium intrusions of eastern Tibet. Contributions To Mineralogy and Petrology, 2014, 167, 1.	3.1	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 Niuatahi-Motutahi Lavas, Tonga Rear Arc. Journal of Petrology, 2015, 56, 59-81.	2.8	99
61	The Effect of Postcumulus Reactions on Composition of Chrome-spinels from the Jimberlana Intrusion. Journal of Petrology, 1985, 26, 763-786.	2.8	96
62	On the dynamics of long-lived plume conduits in the convecting mantle. Earth and Planetary Science Letters, 1991, 103, 214-227.	4.4	96
63	Petrogenesis and Geochemistry of Archean Komatiites. Journal of Petrology, 2016, 57, 147-184.	2.8	96
64	Evidence for Multiple Recycling in Neoproterozoic through Pennsylvanian Sedimentary Rocks of the Central Appalachian Basin. Journal of Geology, 2004, 112, 261-276.	1.4	95
65	Enrichment of Rh, Ru, Ir and Os in Cr spinels from oxidized magmas: Evidence from the Ambae volcano, Vanuatu. Geochimica Et Cosmochimica Acta, 2012, 78, 28-50.	3.9	94
66	Hafnium and iron isotopes in early Archean komatiites record a plume-driven convection cycle in the Hadean Earth. Earth and Planetary Science Letters, 2014, 397, 111-120.	4.4	94
67	Turbulent mixing between fluids with different viscosities. Nature, 1985, 313, 39-42.	27.8	92
68	Trace-element modeling of the magmatic evolution of rare-earth-rich carbonatite from the Miaoya deposit, Central China. Lithos, 2010, 118, 145-155.	1.4	92
69	The age and origin of younger granitic plutons of the Shaw Batholith in the Archaean Pilbara Block, Western Australia. Contributions To Mineralogy and Petrology, 1989, 101, 361-376.	3.1	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. Mineralium Deposita, 2004, 39, 46-67.	4.1	89
71	Preservation of near-solar neon isotopic ratios in Icelandic basalts. Earth and Planetary Science Letters, 2000, 180, 309-324.	4.4	88
72	A Study of Macro-Rhythmic Layering and Cumulate Processes in the Jimberlana Intrusion, Western Australia. Part I: The Upper Layered Series. Journal of Petrology, 1977, 18, 183-215.	2.8	85

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73	The difference between oceanic and continental tholeiites: a fluid dynamic explanation. Contributions To Mineralogy and Petrology, 1985, 91, 37-43.	3.1	85
74	How chalcophile is rhenium? An experimental study of the solubility of Re in sulphide mattes. Earth and Planetary Science Letters, 2007, 260, 537-548.	4.4	84
75	Comparison of the Daluxiang and Maoniuping carbonatitic REE deposits with Bayan Obo REE deposit, China. Lithos, 2008, 106, 12-24.	1.4	83
76	Chemical geodynamics in the back-arc region of Japan based on the trace element and Srî—¸Nd isotopic compositions. Tectonophysics, 1990, 174, 207-233.	2.2	82
77	Uâ€“Thâ€“Pb detrital zircon geochronology from the southern Prince Charles Mountains, East Antarcticaâ€”Defining the Archaean to Neoproterozoic Ruker Province. Precambrian Research, 2006, 148, 292-306.	2.7	82
78	Late Archaean granites of the southeastern Yilgarn Block, Western Australia: age, geochemistry, and origin. Earth and Environmental Science Transactions of the Royal Society of Edinburgh, 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. Numerische Mathematik, 2003, 303, 319-351.	1.4	80
80	Thermochronology of mineral grains in the Red and Mekong Rivers, Vietnam: Provenance and exhumation implications for Southeast Asia. Geochemistry, Geophysics, Geosystems, 2006, 7, n/a-n/a.	2.5	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. Geochimica Et Cosmochimica Acta, 2013, 101, 76-95.	3.9	80
82	Petrology of the G and H Chromitite Zones in the Mountain View Area of the Stillwater Complex, Montana. Journal of Petrology, 1993, 34, 291-316.	2.8	79
83	Temperature, density and buoyancy fluxes in â€œblack smokerâ€•plumes, and the criterion for buoyancy reversal. Earth and Planetary Science Letters, 1987, 86, 85-92.	4.4	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. Geochimica Et Cosmochimica Acta, 2002, 66, 1651-1661.	3.9	76
85	Solubility of Os and Ir in sulfide melt: Implications for Re/Os fractionation during mantle melting. Earth and Planetary Science Letters, 2011, 311, 339-350.	4.4	76
86	Precious metals in the Jimberlana Intrusion, Western Australia; implications for the genesis of platiniferous ores in layered intrusions. Economic Geology, 1981, 76, 1118-1141.	3.8	75
87	The evolution of the mantle's chemical structure. Lithos, 1993, 30, 389-399.	1.4	74
88	Growth rate of the preserved continental crust: II. Constraints from Hf and O isotopes in detrital zircons from Greater Russian Rivers. Geochimica Et Cosmochimica Acta, 2011, 75, 1308-1345.	3.9	74
89	Platinum group element abundances in the upper continental crust revisited â€“ New constraints from analyses of Chinese loess. Geochimica Et Cosmochimica Acta, 2012, 93, 63-76.	3.9	73
90	A fluid dynamic model for the potholes of the Merensky Reef. Economic Geology, 1986, 81, 1118-1125.	3.8	72

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91	Archean komatiites and geotherms: Solution to an apparent contradiction. Geophysical Research Letters, 1983, 10, 1133-1136.	4.0	71
92	Multimillion year thermal history of a porphyry copper deposit: application of Uâ€“Pb, 40Ar/39Ar and (Uâ€“Th)/He chronometers, Bajo de la Alumbrera copperâ€“gold deposit, Argentina. Mineralium Deposita, 2008, 43, 295-314.	4.1	71
93	S-type granites: Their origin and distribution through time as determined from detrital zircons. Earth and Planetary Science Letters, 2020, 536, 116140.	4.4	70
94	Age and origin of granitic rocks in the kalgoorlie-norseman region of Western Australia: Implications for the origin of archaean crust. Geochimica Et Cosmochimica Acta, 1989, 53, 1259-1275.	3.9	69
95	Flat rare earth element patterns as an indicator of cumulate processes in the Lesser Qinling carbonatites, China. Lithos, 2007, 95, 267-278.	1.4	68
96	Oxygen solubility and speciation in sulphide-rich mattes. Geochimica Et Cosmochimica Acta, 2008, 72, 2619-2635.	3.9	68
97	A Laboratory Investigation of Assimilation at the Top of a Basaltic Magma Chamber. Journal of Geology, 1987, 95, 155-172.	1.4	65
98	Role of late magmatic fluids in Merensky-type platinum deposits: A discussion. Geology, 1988, 16, 488.	4.4	65
99	Mantle convection and early crustal evolution. Precambrian Research, 1984, 26, 15-56.	2.7	63
100	Two cycles of voluminous pyroclastic volcanism and sedimentation related to episodic granite emplacement during the late Archean: Eastern Yilgarn Craton, Western Australia. Precambrian Research, 2010, 183, 251-274.	2.7	63
101	SHRIMP baddeleyite age for the Fraser Dyke Swarm, southeast Yilgarn Craton, Western Australia. Australian Journal of Earth Sciences, 2000, 47, 309-313.	1.0	60
102	The role of subvolcanic sills in the generation of massive sulfide deposits. Economic Geology, 1981, 76, 2248-2253.	3.8	57
103	Predominance of Grenvillian Magmatism Recorded in Detrital Zircons from Modern Appalachian Rivers. Journal of Geology, 2003, 111, 707-717.	1.4	57
104	Uâ€“Pb zircon age, geochemical and isotopic characteristics of carbonatite and syenite complexes from the Shaxiongdong, China. Lithos, 2008, 105, 118-128.	1.4	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. Economic Geology, 2006, 101, 1327-1344.	3.8	51
106	A lower crustal origin for massif-type anorthosites. Nature, 1984, 311, 372-374.	27.8	50
107	Crustal magmatic controls on the formation of porphyry copper deposits. Nature Reviews Earth & Environment, 2021, 2, 542-557.	29.7	50
108	Composition-volume changes during hydrothermal alteration of andesite at Buttercup Hill, Noranda District, Quebec. Geochimica Et Cosmochimica Acta, 1986, 50, 2693-2705.	3.9	48

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109	The Great Plume Debate: Testing the plume theory. Chemical Geology, 2007, 241, 149-152.	3.3	48
110	Evolution of a â^¼2.7 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). Precambrian Research, 2015, 270, 334-368.	2.7	48
111	Sm-Nd isotope systematics in uranium rare-earth element mineralization at the Mary Kathleen uranium mine, Queensland. Economic Geology, 1987, 82, 1805-1826.	3.8	47
112	Using Platinum Group Elements to Identify Sulfide Saturation in a Porphyry Cu System: the El Abra Porphyry Cu Deposit, Northern Chile. Journal of Petrology, 2015, 56, 2491-2514.	2.8	45
113	Raising the continental crust. Earth and Planetary Science Letters, 2017, 460, 112-122.	4.4	45
114	Chalcophile element fertility and the formation of porphyry Cu Â± Au deposits. Mineralium Deposita, 2019, 54, 657-670.	4.1	45
115	Rare earth elements in volcanic rocks associated with Cuâ€“Zn massive sulphide mineralization: a preliminary report. Canadian Journal of Earth Sciences, 1982, 19, 619-623.	1.3	44
116	Age of the Los Ranchos Formation, Dominican Republic: Timing and tectonic setting of primitive island arc volcanism in the Caribbean region. Bulletin of the Geological Society of America, 2005, 117, 987.	3.3	44
117	Did the formation of Dâ€³ cause the Archaeanâ€“Proterozoic transition?. Earth and Planetary Science Letters, 2014, 388, 1-8.	4.4	42
118	The concurrent emergence and causes of double volcanic hotspot tracks on the Pacific plate. Nature, 2017, 545, 472-476.	27.8	41
119	Monsoon control over erosion patterns in the Western Himalaya: possible feed-back into the tectonic evolution. Geological Society Special Publication, 2010, 342, 185-218.	1.3	40
120	Thermochronology of the modern Indus River bedload: New insight into the controls on the marine stratigraphic record. Tectonics, 2004, 23, n/a-n/a.	2.8	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. Geochimica Et Cosmochimica Acta, 2017, 216, 372-392.	3.9	38
123	A subsidiary fast-diffusing substitution mechanism of Al in forsterite investigated using diffusion experiments under controlled thermodynamic conditions. Contributions To Mineralogy and Petrology, 2017, 172, 1.	3.1	38
124	Sm-Nd systematics of hydrothermal scheelite from the Mount Charlotte Mine, Kalgoorlie, Western Australia; an isotopic link between gold mineralization and komatiites. Economic Geology, 1995, 90, 2329-2335.	3.8	37
125	A note on fluid dynamic processes which can influence the deposition of massive sulfides. Economic Geology, 1984, 79, 1905-1913.	3.8	36
126	Geochronology of supracrustal rocks from the Golden Grove area, Murchison Province, Yilgarn Craton, Western Australiaâ^—. Australian Journal of Earth Sciences, 1998, 45, 571-577.	1.0	36

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127	Do mantle plumes preserve the heterogeneous structure of their deep-mantle source?. Earth and Planetary Science Letters, 2016, 434, 10-17.	4.4	36
128	Review of the application of isotopic studies to the genesis of Cuâ€Au mineralisation at Olympic Dam and Au mineralisation at Porgera, the Tennant Creek district and Yilgarn Craton. Australian Journal of Earth Sciences, 1998, 45, 201-218.	1.0	34
129	Geochronological constraints on the age of komatiites and nickel mineralisation in the Lake Johnston greenstone belt, Yilgarn Craton, Western Australia. Australian Journal of Earth Sciences, 1996, 43, 381-385.	1.0	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. Precambrian Research, 1996, 78, 237-260.	2.7	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. Economic Geology, 1996, 91, 896-915.	3.8	33
132	Platinum-group elements and gold in the komatiite-hosted Fe-Ni-Cu sulfide deposits at Kambalda, Western Australia. Economic Geology, 1986, 81, 1226-1235.	3.8	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. Economic Geology, 2015, 110, 1411-1423.	3.8	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.. Geochemical Journal, 1986, 20, 91-99.	1.0	30
135	A laboratory and theoretical study of the growth of â€œblack smokerâ€•chimneys. Earth and Planetary Science Letters, 1987, 82, 36-48.	4.4	29
136	The structure and shape of the Jimberlana Intrusion, Western Australia, as indicated by an investigation of the Bronzite Complex. Geological Magazine, 1976, 113, 129-139.	1.5	28
137	Empirical constraints on partitioning of platinum group elements between Cr-spinel and primitive terrestrial magmas. Geochimica Et Cosmochimica Acta, 2017, 216, 393-416.	3.9	27
138	Platinum-Group Element Geochemistry of the Escondida Igneous Suites, Northern Chile: Implications for Ore Formation. Journal of Petrology, 2019, 60, 487-514.	2.8	26
139	The geochemistry of loveringite, a uranium-rare-earth-bearing accessory phase from the Jimberlana Intrusion of Western Australia. Mineralogical Magazine, 1978, 42, 187-193.	1.4	26
140	Provenance of Eocene river sediments from the central northern Sierra Nevada and implications for paleotopography. Tectonics, 2010, 29, n/a-n/a.	2.8	25
141	Chalcophile element geochemistry of the Boggy Plain zoned pluton, southeastern Australia: a S-saturated barren compositionally diverse magmatic system. Contributions To Mineralogy and Petrology, 2013, 165, 217-236.	3.1	25
142	When do mantle plumes destroy diamonds?. Earth and Planetary Science Letters, 2018, 502, 244-252.	4.4	25
143	Pyroxene accumulation in spinifex-textured rocks. Geological Magazine, 1982, 119, 605-610.	1.5	24
144	Sm-Nd and Rb-Sr dating of an Archean massive sulfide deposit: Kidd Creek, Ontario. Geology, 1986, 14, 585.	4.4	23

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145	A Strontium Isotopic Investigation of the Bjerkreimâ€"Sokndal Layered Instrusion, Southwest Norway. Journal of Petrology, 1996, 37, 171-193.	2.8	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. Geochimica Et Cosmochimica Acta, 2016, 174, 236-246.	3.9	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. Contributions To Mineralogy and Petrology, 1974, 48, 205-219.	3.1	21
148	Platinum-group element geochemistry of the Forest Reef Volcanics, southeastern Australia: Implications for porphyry Au-Cu mineralisation. Geochimica Et Cosmochimica Acta, 2018, 220, 385-406.	3.9	21
149	The temporal distribution of Earth's supermountains and their potential link to the rise of atmospheric oxygen and biological evolution. Earth and Planetary Science Letters, 2022, 580, 117391.	4.4	21
150	New constraints on the 138La Î²-decay constant based on a geochronological study of granites from the Yilgarn Block, Western Australia. Chemical Geology, 1993, 104, 293-300.	3.3	20
151	Pre-eruptive uplift in the Emeishan?. Nature Geoscience, 2009, 2, 530-531.	12.9	20
152	Accessory phases and the generation of LREE-Enriched basalts ? A test for disequilibrium melting. Contributions To Mineralogy and Petrology, 1980, 72, 157-163.	3.1	17
153	Age of granite emplacement in the Norseman region of Western Australia. Australian Journal of Earth Sciences, 1993, 40, 559-574.	1.0	17
154	Age of the Pueblo Viejo Gold-Silver Deposit and Its Significance to Models for High-Sulfidation Epithermal Mineralization. Economic Geology, 2005, 100, 253-272.	3.8	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. Economic Geology, 2007, 102, 95-108.	3.8	15
156	The Age of the Potassic Alkaline Igneous Rocks along the Ailao Shanâ€"Red River Shear Zone: Implications for the Onset Age of Leftâ€Lateral Shearing: A Reply. Journal of Geology, 2008, 116, 205-207.	1.4	14
157	Using precious metal probes to quantify mid-ocean ridge magmatic processes. Earth and Planetary Science Letters, 2021, 553, 116603.	4.4	14
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159	Laboratory modeling of convection in magma chambers: Crystallization against sloping floors. Journal of Geophysical Research, 1988, 93, 7974-7988.	3.3	13
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