

Cj Hawkesworth

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

8,904
citations

57758

44
h-index

138484

58
g-index

60
all docs

60
docs citations

60
times ranked

4892
citing authors

#	ARTICLE	IF	CITATIONS
1	Detrital zircon record and tectonic setting. <i>Geology</i> , 2012, 40, 875-878.	4.4	1,038
2	Using hafnium and oxygen isotopes in zircons to unravel the record of crustal evolution. <i>Chemical Geology</i> , 2006, 226, 144-162.	3.3	655
3	The generation and evolution of the continental crust. <i>Journal of the Geological Society</i> , 2010, 167, 229-248.	2.1	650
4	The continental record and the generation of continental crust. <i>Bulletin of the Geological Society of America</i> , 2013, 125, 14-32.	3.3	484
5	Rare earth element geochemistry of oceanic ferromanganese nodules and associated sediments. <i>Geochimica Et Cosmochimica Acta</i> , 1981, 45, 513-528.	3.9	437
6	Hadean crustal evolution revisited: New constraints from Pb-Hf isotope systematics of the Jack Hills zircons. <i>Earth and Planetary Science Letters</i> , 2010, 296, 45-56.	4.4	412
7	Isotopic evidence for rapid continental growth in an extensional accretionary orogen: The Tasmanides, eastern Australia. <i>Earth and Planetary Science Letters</i> , 2009, 284, 455-466.	4.4	398
8	Sr, Nd and Pb isotope and minor element geochemistry of lamproites and kimberlites. <i>Earth and Planetary Science Letters</i> , 1985, 76, 57-70.	4.4	340
9	The petrogenesis of Mesozoic Gondwana low-Ti flood basalts. <i>Earth and Planetary Science Letters</i> , 1991, 105, 134-148.	4.4	339
10	Continental mantle lithosphere, and shallow level enrichment processes in the Earth's mantle. <i>Earth and Planetary Science Letters</i> , 1990, 96, 256-268.	4.4	299
11	The Lesser Antilles volcanic chain: a study in arc magmatism. <i>Earth-Science Reviews</i> , 2000, 49, 1-76.	9.1	297
12	$^{143}\text{Nd}/^{144}\text{Nd}$, $^{87}\text{Sr}/^{86}\text{Sr}$, and incompatible element variations in calc-alkaline andesites and plateau lavas from South America. <i>Earth and Planetary Science Letters</i> , 1979, 42, 45-57.	4.4	189
13	Granitic Perspectives on the Generation and Secular Evolution of the Continental Crust. , 2003, , 349-410.		185
14	Magma differentiation and mineralisation in the Siberian continental flood basalts. <i>Lithos</i> , 1995, 34, 61-88.	1.4	181
15	Apatite: A new redox proxy for silicic magmas?. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 132, 101-119.	3.9	178
16	Episodic, mafic crust formation from 4.5 to 2.8 Ga: New evidence from detrital zircons, Slave craton, Canada. <i>Geology</i> , 2008, 36, 875.	4.4	143
17	Basaltic volcanism in the Southern Basin and Range: no role for a mantle plume. <i>Earth and Planetary Science Letters</i> , 1993, 116, 45-62.	4.4	138
18	Nd and Sr isotope geochemistry of island arc volcanics, Grenada, Lesser Antilles. <i>Earth and Planetary Science Letters</i> , 1979, 45, 237-248.	4.4	128

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19	Magma genesis in the lesser Antilles island arc. <i>Earth and Planetary Science Letters</i> , 1980, 51, 297-308.	4.4	117
20	The differentiation and rates of generation of the continental crust. <i>Chemical Geology</i> , 2006, 226, 134-143.	3.3	113
21	Isotope and trace element evidence for late-stage intra-crustal melting in the High Andes. <i>Earth and Planetary Science Letters</i> , 1982, 58, 240-254.	4.4	112
22	Petrology and geochemistry of lower crustal granulites from the Geronimo Volcanic Field, southeastern Arizona. <i>Geochimica Et Cosmochimica Acta</i> , 1990, 54, 3401-3426.	3.9	110
23	Age relationships between greenstone belts and "granites" in the Rhodesian Archaean craton. <i>Earth and Planetary Science Letters</i> , 1975, 25, 251-262.	4.4	107
24	Mantle metasomatism: Isotope and trace-element trends in xenoliths from Kimberley, South Africa. <i>Chemical Geology</i> , 1990, 85, 19-34.	3.3	105
25	Exploring the plutonic-volcanic link: a zircon U-Pb, Lu-Hf and O isotope study of paired volcanic and granitic units from southeastern Australia. <i>Transactions of the Royal Society of Edinburgh: Earth Sciences</i> , 2008, 97, 337-355.	0.7	90
26	The petrogenesis of the eastern Pyrenean peridotites: an integrated study of their whole-rock geochemistry and Re-Os isotope composition. <i>Geochimica Et Cosmochimica Acta</i> , 1998, 62, 2293-2310.	3.9	83
27	Long magma residence times at an island arc volcano (Soufriere, St. Vincent) in the Lesser Antilles: evidence from ²³⁸ U- ²³⁰ Th isochron dating. <i>Earth and Planetary Science Letters</i> , 1998, 160, 49-63.	4.4	82
28	Lead isotopic composition of the potassic rocks from Roccamonfina (South Italy). <i>Earth and Planetary Science Letters</i> , 1980, 47, 91-101.	4.4	81
29	Rare earth element zonation in Pacific ferromanganese nodules. <i>Geochimica Et Cosmochimica Acta</i> , 1981, 45, 1231-1234.	3.9	81
30	Magma evolution and ascent at volcanic arcs: constraining petrogenetic processes through rates and chronologies. <i>Journal of Volcanology and Geothermal Research</i> , 2005, 140, 171-191.	2.1	78
31	Characterization of magma from inclusions in zircon: Apatite and biotite work well, feldspar less so. <i>Geology</i> , 2011, 39, 863-866.	4.4	73
32	Tectonic controls on post-subduction granite genesis and emplacement: The late Caledonian suite of Britain and Ireland. <i>Gondwana Research</i> , 2016, 39, 250-260.	6.0	73
33	Open-system O-isotope behaviour and trace element enrichment in the sub-Eifel mantle. <i>Earth and Planetary Science Letters</i> , 1988, 89, 273-287.	4.4	72
34	A preliminary thermal model for regional metamorphism in the Eastern Alps. <i>Earth and Planetary Science Letters</i> , 1975, 26, 13-28.	4.4	70
35	Destructive margin magmatism and the contributions from the mantle wedge and subducted crust. <i>Australian Journal of Earth Sciences</i> , 1991, 38, 577-594.	1.0	68
36	From sediments to their source rocks: Hf and Nd isotopes in recent river sediments. <i>Geology</i> , 2011, 39, 407-410.	4.4	65

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37	and ratios, interstitial water chemistry and diagenesis in deep-sea carbonate sediments of the Ontong Java Plateau. <i>Geochimica Et Cosmochimica Acta</i> , 1982, 46, 2259-2268.	3.9	64
38	Geochemical characteristics and origin of the Jacupiranga carbonatites, Brazil. <i>Chemical Geology</i> , 1995, 119, 79-99.	3.3	59
39	Plate tectonics in the Eastern Alps. <i>Earth and Planetary Science Letters</i> , 1975, 24, 405-413.	4.4	57
40	Phlogopite in the generation of olivine-melilitites from Namaqualand, South Africa and implications for element fractionation processes in the upper mantle. <i>Lithos</i> , 1992, 28, 347-365.	1.4	54
41	The petrogenesis of group 2 ultrapotassic kimberlites from Finsch Mine, South Africa. <i>Lithos</i> , 1992, 28, 327-345.	1.4	51
42	Intracrustal recycling and upper-crustal evolution: A case study from the Pan-African Damara mobile belt, central Namibia. <i>Chemical Geology</i> , 1990, 83, 263-280.	3.3	49
43	Melt generation beneath ocean islands: a U-Th-Ra isotope study from Lanzarote in the Canary Islands. <i>Geochimica Et Cosmochimica Acta</i> , 1999, 63, 4081-4099.	3.9	49
44	Evolution of continental crust in southern Africa. <i>Earth and Planetary Science Letters</i> , 1987, 83, 85-93.	4.4	48
45	A 2.9-b.y. event in the Rhodesian Archaean. <i>Earth and Planetary Science Letters</i> , 1979, 43, 285-297.	4.4	44
46	^{238}U – ^{230}Th disequilibrium in recent basalts and dynamic melting beneath the Kenya rift. <i>Chemical Geology</i> , 2006, 234, 148-168.	3.3	38
47	Isotopic heterogeneity in the Sudbury impact melt sheet. <i>Earth and Planetary Science Letters</i> , 2010, 289, 347-356.	4.4	37
48	In-situ Pb isotope analysis of Fe–Ni–Cu sulphides by laser ablation multi-collector ICPMS: New insights into ore formation in the Sudbury impact melt sheet. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 99, 1-17.	3.9	34
49	Radiogenic Isotopes – Some Geological Applications. <i>Developments in Geochemistry</i> , 1984, 2, 375-421.	0.1	32
50	The effects of magma replenishment processes on ^{238}U - ^{230}Th disequilibrium. <i>Geochimica Et Cosmochimica Acta</i> , 1999, 63, 4101-4110.	3.9	31
51	The strontium isotopic composition of interstitial waters from sites 245 and 336 of the Deep Sea Drilling Project. <i>Earth and Planetary Science Letters</i> , 1978, 40, 423-432.	4.4	30
52	Shallow impact: Isotopic insights into crustal contributions to the Sudbury impact melt sheet. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 5680-5696.	3.9	29
53	The genesis of gold mineralisation hosted by orogenic belts: A lead isotope investigation of Irish gold deposits. <i>Chemical Geology</i> , 2014, 378-379, 40-51.	3.3	25
54	Pb isotope data from late Proterozoic subduction-related rocks: Implications for crust-mantle evolution. <i>Chemical Geology</i> , 1990, 83, 165-181.	3.3	21

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55	Crustal reworking in southern Africa: constraints from Sr-Nd isotope studies in Archaean to Pan-African terrains. <i>Tectonophysics</i> , 1989, 161, 257-270.	2.2	19
56	Petrogenesis of an 800 m lava sequence in eastern Uruguay: insights into magma chamber processes beneath the Paran flood basalt province. <i>Journal of Geodynamics</i> , 1999, 28, 471-487.	1.6	19
57	Growth and Differentiation of the Continental Crust from Isotope Studies of Accessory Minerals. , 2014, , 379-421.		18
58	Pre-emplacment ReOs ages from ultramafic inclusions in the sublayer of the Sudbury Igneous Complex, Ontario. <i>Chemical Geology</i> , 2000, 165, 37-46.	3.3	16
59	Chemical and temporal variations in the Earth's lithosphere. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 1999, 357, 647-669.	3.4	8
60	Response to the scientific comment by Dickin on isotopic heterogeneity in the Sudbury impact melt sheet[EPSL 289 (2010) 347356]. <i>Earth and Planetary Science Letters</i> , 2010, 300, 44-45.	4.4	1