Ian Cw Fitzsimons

List of Publications by Year
in descending order

56 papers	6,150 citations	136950 32 h-index	144013 57 g-index
58 all docs	58 docs citations	58 times ranked	3508 citing authors

#	Article	IF	Citations
1	Assembly, configuration, and break-up history of Rodinia: A synthesis. Precambrian Research, 2008, 160, 179-210.	2.7	2,747
2	Grenville-age basement provinces in East Antarctica: Evidence for three separate collisional orogens. Geology, 2000, 28, 879.	4.4	373
3	How Does the Continental Crust Get Really Hot?. Elements, 2011, 7, 235-240.	0.5	281
4	Proterozoic basement provinces of southern and southwestern Australia, and their correlation with Antarctica. Geological Society Special Publication, 2003, 206, 93-130.	1.3	229
5	The Influence of Retrograde Cation Exchange on Granulite P-T Estimates and a Convergence Technique for the Recovery of Peak Metamorphic Conditions. Journal of Petrology, 1994, 35, 543-576.	2.8	196
6	Metapelitic Migmatites from Brattstrand Bluffs, East Antarcticaâ€"Metamorphism, Melting and Exhumation of the Mid Crust. Journal of Petrology, 1996, 37, 395-414.	2.8	143
7	Two stages of zircon and monazite growth in anatectic leucogneiss: SHRIMP constraints on the duration and intensity of Pan-African metamorphism in Prydz Bay, East Antarctica. Terra Nova, 1997, 9, 47-51.	2.1	115
8	Pressure?temperature evolution of metapelitic granulites in a polymetamorphic terrane: the Rauer Group, East Antarctica. Journal of Metamorphic Geology, 1991, 9, 231-243.	3.4	112
9	Untying the Kibaran knot: A reassessment of Mesoproterozoic correlations in southern Africa based on SHRIMP U-Pb data from the Irumide belt. Geology, 2003, 31, 509.	4.4	102
10	Carbon isotope ratios and nitrogen abundances in relation to cathodoluminescence characteristics for some diamonds from the Kaapvaal Province, S. Africa. Mineralogical Magazine, 1999, 63, 829-856.	1.4	94
11	Detrital footprint of the Mozambique ocean: Uâ€"Pb SHRIMP and Pb evaporation zircon geochronology of metasedimentary gneisses in eastern Madagascar. Tectonophysics, 2003, 375, 77-99.	2.2	94
12	SIMS stable isotope measurement: counting statistics and analytical precision. Mineralogical Magazine, 2000, 64, 59-83.	1.4	92
13	Bulk chemical control on metamorphic monazite growth in pelitic schists and implications for U-Pb age data. Journal of Metamorphic Geology, 2005, 23, 261-277.	3.4	89
14	Antarctica and supercontinent evolution: historical perspectives, recent advances and unresolved issues. Geological Society Special Publication, 2013, 383, 1-34.	1.3	89
15	Post-peak, fluid-mediated modification of granulite facies zircon and monazite in the Trivandrum Block, southern India. Contributions To Mineralogy and Petrology, 2014, 168, 1.	3.1	86
16	The geochronological framework of the Irumide Belt: A prolonged crustal history along the margin of the Bangweulu Craton. Numerische Mathematik, 2009, 309, 132-187.	1.4	85
17	Structure of the eastern margin of the East African Orogen in central Madagascar. Precambrian Research, 2003, 123, 111-133.	2.7	82
18	Out of Africa: detrital zircon provenance of central Madagascar and Neoproterozoic terrane transfer across the Mozambique Ocean. Terra Nova, 2005, 17, 224-235.	2.1	80

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19	Geological relationships in highâ€grade gneiss of the Brattstrand Bluffs coastline, Prydz Bay, East Antarctica. Australian Journal of Earth Sciences, 1991, 38, 497-519.	1.0	70
20	Superimposed tectonic events at 2450 Ma, 2100 Ma, 900 Ma and 500 Ma in the North Mawson Escarpment, Antarctic Prince Charles Mountains. Precambrian Research, 2008, 167, 281-302.	2.7	58
21	Tectonic controls on sediment provenance evolution in rift basins: Detrital zircon Uâ€“Pb and Hf isotope analysis from the Perth Basin, Western Australia. Gondwana Research, 2019, 66, 126-142.	6.0	55
22	Garnet coronas in scapolite-wollastonite calc-silicates from East Antarctica: the application and limitations of activity-corrected grids. Journal of Metamorphic Geology, 1994, 12, 761-777.	3.4	52
23	Paleoproterozoic UHT metamorphism in the Daqingshan Terrane, North China Craton: New constraints from phase equilibria modeling and SIMS Uâ€“Pb zircon dating. Precambrian Research, 2017, 303, 208-227.	2.7	52
24	Extreme chemical variation in complex diamonds from George Creek, Colorado: a SIMS study of carbon isotope composition and nitrogen abundance. Mineralogical Magazine, 1999, 63, 857-878.	1.4	51
25	A possible transition from island arc to continental arc magmatism in the eastern Jiangnan Orogen, South China: Insights from a Neoproterozoic (870â€“860 Ma) gabbroicâ€“dioritic complex near the Fuchuan ophiolite. Gondwana Research, 2017, 46, 1-16.	6.0	49
26	The nature and timing of Palaeoproterozoic sedimentation at the southeastern margin of the Congo Craton; zircon Uâ€“Pb geochronology of plutonic, volcanic and clastic units in northern Zambia. Precambrian Research, 2007, 159, 95-116.	2.7	47
27	A cryptic Gondwana-forming orogen located in Antarctica. Scientific Reports, 2018, 8, 8371.	3.3	46
28	Uâ€“Pb age and Hf isotope composition of detrital zircons from Neoproterozoic sedimentary units in southern Anhui Province, South China: Implications for the provenance, tectonic evolution and glacial history of the eastern Jiangnan Orogen. Precambrian Research, 2015, 271, 65-82.	2.7	40
29	Reactions and textures in wollastonite-scapolite granulites and their significance for pressure-temperature-fluid histories of high-grade terranes. Precambrian Research, 1994, 66, 309-323.	2.7	39
30	Panâ€“African granulites of Madagascar and southern India: Gondwana assembly and parallels with modern Tibet. Journal of Mineralogical and Petrological Sciences, 2016, 111, 73-88.	0.9	39
31	Geological relationships in highâ€grade basement gneiss of the northern Prince Charles Mountains, East Antarctica. Australian Journal of Earth Sciences, 1992, 39, 173-193.	1.0	35
32	An isotopic perspective on growth and differentiation of Proterozoic orogenic crust: From subduction magmatism to cratonization. Lithos, 2017, 268-271, 76-86.	1.4	33
33	Detrital zircon and monazite track the source of Mesozoic sediments in Kutch to rocks of Late Neoproterozoic and Early Palaeozoic orogenies in northern India. Gondwana Research, 2020, 80, 188-201.	6.0	33
34	Constraints on the timing and conditions of highâ€grade metamorphism, charnockite formation and fluidâ€“rock interaction in the Trivandrum Block, southern India. Journal of Metamorphic Geology, 2016, 34, 527-549.	3.4	31
35	East Antarctic sources of extensive Lowerâ€“Middle Ordovician turbidites in the Lachlan Orogen, southern Tasmanides, eastern Australia. Australian Journal of Earth Sciences, 2017, 64, 143-224.	1.0	26
36	The timing and duration of high-temperature to ultrahigh-temperature metamorphism constrained by zircon Uâ€“Pbâ€“Hf and trace element signatures in the Khondalite Belt, North China Craton. Contributions To Mineralogy and Petrology, 2020, 175, 1.	3.1	26

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37	Texturally Controlled Uâ€“Thâ€“Pb Monazite Geochronology Reveals Paleoproterozoic UHT Metamorphic Evolution in the Khondalite Belt, North China Craton. Journal of Petrology, 2020, 61, .	2.8	25
38	Testing the fidelity of thermometers at ultrahigh temperatures. Journal of Metamorphic Geology, 2019, 37, 917-934.	3.4	24
39	Detrital zircon and igneous protolith ages of high-grade metamorphic rocks in the Highland and Wanni Complexes, Sri Lanka: Their geochronological correlation with southern India and East Antarctica. Journal of Asian Earth Sciences, 2018, 156, 122-144.	2.3	23
40	Neoproterozoic deformation in central Madagascar: a structural section through part of the East African Orogen. Geological Society Special Publication, 2003, 206, 363-379.	1.3	20
41	Pb isotopic domains from the Indian Ocean sector of Antarctica: implications for past Antarcticaâ€“India connections. Geological Society Special Publication, 2013, 383, 59-72.	1.3	20
42	How not to build a supercontinent: A reply to J.D.A. Piper. Precambrian Research, 2009, 174, 208-214.	2.7	16
43	Neighbouring orogenic gold deposits may be the products of unrelated mineralizing events. Ore Geology Reviews, 2018, 95, 593-603.	2.7	16
44	Neoproterozoic 40Ar/39Ar mica ages mark the termination of a billion years of intraplate reworking in the Capricorn Orogen, Western Australia. Precambrian Research, 2018, 310, 391-406.	2.7	14
45	A geochemical and isotopic perspective on tectonic setting and depositional environment of Precambrian meta-carbonate rocks in collisional orogenic belts. Gondwana Research, 2021, 96, 163-204.	6.0	13
46	Recognition of the Phanerozoic â€œYoung granite gneissâ€•in the central Yeongnam massif. Geosciences Journal, 2015, 19, 1-16.	1.2	12
47	The Tectonic Architecture of Central Madagascar: Implication on the Evolution of the East African Orogeny. Gondwana Research, 2001, 4, 152-153.	6.0	11
48	In situ U-Pb geochronology and geochemistry of a 1.13â€¯Ga mafic dyke suite at Bunger Hills, East Antarctica: The end of the Albany-Fraser Orogeny. Precambrian Research, 2018, 310, 76-92.	2.7	11
49	Carbon isotope constraints on volatile mixing and melt transport in granulite-facies migmatites. Earth and Planetary Science Letters, 1995, 134, 319-328.	4.4	10
50	Recovering Pâ€“Tâ€“t paths from ultra-high temperature (UHT) felsic orthogneiss: An example from the Southern BrasÃ‡lia Orogen, Brazil. Precambrian Research, 2021, 359, 106222.	2.7	10
51	Establishing the P-T path of UHT granulites by geochemically distinguishing peritectic from retrograde garnet. American Mineralogist, 2021, 106, 1640-1653.	1.9	9
52	Heavy rare-earth element and Y partitioning between monazite and garnet in aluminous granulites. Contributions To Mineralogy and Petrology, 2021, 176, 1.	3.1	5
53	The 1320 Ma intracontinental Wongawobbin Basin, Pilbara, Western Australia: A far-field response to Albanyâ€“Fraserâ€“Musgrave tectonics. Precambrian Research, 2016, 285, 58-79.	2.7	4
54	The Mangaroon Orogeny: Synchronous c. 1.7â€¯Ga magmatism and low-P, high-T metamorphism in the West Australian Craton. Precambrian Research, 2019, 333, 105425.	2.7	4

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55	Gold metallogeny of the northern Capricorn Orogen: The relationship between crustal architecture, fault reactivation and hydrothermal fluid flow. Ore Geology Reviews, 2020, 122, 103515.	2.7	3
56	Petrogenesis and tectonic setting of mid-Neoproterozoic low-Î´18O metamafic rocks from the Leeuwin Complex, southwestern Australia. Precambrian Research, 2022, 368, 106473.	2.7	2