

David C Champion

List of Publications by Year in descending order

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30
papers

1,825
citations

394421

19
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477307

29
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31
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31
docs citations

31
times ranked

1341
citing authors

#	ARTICLE	IF	CITATIONS
1	The Archaean High-Mg Diorite Suite: Links to Tonalite-Trondhjemite-Granodiorite Magmatism and Implications for Early Archaean Crustal Growth. <i>Journal of Petrology</i> , 2000, 41, 1653-1671.	2.8	423
2	SHRIMP U-Pb zircon age constraints on the Late Archaean tectonostratigraphic architecture of the Eastern Goldfields Superterrane, Yilgarn Craton, Western Australia. <i>Precambrian Research</i> , 2008, 161, 5-33.	2.7	102
3	The case for Archaean boninites. <i>Contributions To Mineralogy and Petrology</i> , 2004, 147, 705-721.	3.1	100
4	Late Archaean felsic alkaline igneous rocks in the Eastern Goldfields, Yilgarn Craton, Western Australia: a result of lower crustal delamination?. <i>Journal of the Geological Society</i> , 1999, 156, 561-576.	2.1	96
5	Making it thick: a volcanic plateau origin of Palaeoarchean continental lithosphere of the Pilbara and Kaapvaal cratons. <i>Geological Society Special Publication</i> , 2015, 389, 83-111.	1.3	95
6	Tectono-metallogenic systems – The place of mineral systems within tectonic evolution, with an emphasis on Australian examples. <i>Ore Geology Reviews</i> , 2016, 76, 168-210.	2.7	94
7	Evidence for Early LREE-enriched Mantle Source Regions: Diverse Magmas from the c. 3.0 Ga Mallina Basin, Pilbara Craton, NW Australia. <i>Journal of Petrology</i> , 2004, 45, 1515-1537.	2.8	91
8	Chapter 4.1 Paleoarchean Development of a Continental Nucleus: the East Pilbara Terrane of the Pilbara Craton, Western Australia. <i>Neoproterozoic-Cambrian Tectonics, Global Change and Evolution: A Focus on South Western Gondwana</i> , 2007, , 307-337.	0.2	81
9	The geochemical and Sr Nd isotopic characteristics of Paleozoic fractionated S-types granites of north Queensland: Implications for S-type granite petrogenesis. <i>Lithos</i> , 2013, 162-163, 37-56.	1.4	81
10	Chapter 4.3 Geochemistry of Paleoarchean Granites of the East Pilbara Terrane, Pilbara Craton, Western Australia: Implications for Early Archean Crustal Growth. <i>Neoproterozoic-Cambrian Tectonics, Global Change and Evolution: A Focus on South Western Gondwana</i> , 2007, , 369-409.	0.2	78
11	Oxygen isotopes trace the origins of Earth's earliest continental crust. <i>Nature</i> , 2021, 592, 70-75.	27.8	71
12	Radiogenic isotopes, ore deposits and metallogenic terranes: Novel approaches based on regional isotopic maps and the mineral systems concept. <i>Ore Geology Reviews</i> , 2016, 76, 229-256.	2.7	63
13	Australia through time: a summary of its tectonic and metallogenic evolution. <i>Episodes</i> , 2012, 35, 23-43.	1.2	58
14	Petrogenesis of felsic I-type granites: an example from northern Queensland. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , 1992, 83, 115-126.	0.3	54
15	Tectonic Controls on the Endowment of Neoproterozoic Cratons in Volcanic-Hosted Massive Sulfide Deposits: Evidence from Lead and Neodymium Isotopes. <i>Economic Geology</i> , 2014, 109, 11-26.	3.8	51
16	Granite suites and supersuites of eastern Australia. <i>Australian Journal of Earth Sciences</i> , 2001, 48, 515-530.	1.0	43
17	The Wangkathaa Orogeny: an example of episodic regional extension in the late Archaean Eastern Goldfields Province, Western Australia. <i>Precambrian Research</i> , 2004, 130, 139-159.	2.7	34
18	Chapter 4.2 The Oldest Well-Preserved Felsic Volcanic Rocks on Earth: Geochemical Clues to the Early Evolution of the Pilbara Supergroup and Implications for the Growth of a Paleoarchean Protocontinent. <i>Neoproterozoic-Cambrian Tectonics, Global Change and Evolution: A Focus on South Western Gondwana</i> , 2007, 15, 339-367.	0.2	30

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19	The Nolans Bore rare-earth element-phosphorus-uranium mineral system: geology, origin and post-depositional modifications. <i>Mineralium Deposita</i> , 2016, 51, 797-822.	4.1	22
20	Metallogenesis and geodynamics of the Lachlan Orogen: New (and old) insights from spatial and temporal variations in lead isotopes. <i>Ore Geology Reviews</i> , 2016, 76, 257-267.	2.7	17
21	Characteristics and geodynamic setting of the 2.7 Ga Yilgarn heterogeneous plume and its interaction with continental lithosphere: evidence from komatiitic basalt and basalt geochemistry of the Eastern Goldfields Superterrane. <i>Australian Journal of Earth Sciences</i> , 2012, 59, 737-763.	1.0	16
22	Insights into the evolution of the Thomson Orogen from geochronology, geochemistry, and zircon isotopic studies of magmatic rocks. <i>Australian Journal of Earth Sciences</i> , 2018, 65, 987-1008.	1.0	15
23	Preservation of a fragmented late Neoproterozoic "earliest Cambrian hyper-extended continental-margin sequence in the Australian Delamerian Orogen. <i>Geological Society Special Publication</i> , 2015, 413, 269-299.	1.3	12
24	Orogenesis in Paleoproterozoic Eastern Australia: A response to Arc-Continent and Continent-Continent Collision During Assembly of the Nuna Supercontinent. <i>Tectonics</i> , 2020, 39, e2019TC005717.	2.8	11
25	Sulfur isotope systematics of granitoids from the Yilgarn Craton sheds new light on the fluid reservoirs of Neoproterozoic orogenic gold deposits. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 326, 199-213.	3.9	11
26	Lithospheric conductors reveal source regions of convergent margin mineral systems. <i>Scientific Reports</i> , 2022, 12, 8190.	3.3	9
27	Applications of Pb isotopes in granite K-feldspar and Pb evolution in the Yilgarn Craton. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 320, 279-303.	3.9	8
28	Petrogenesis of felsic I-type granites: an example from northern Queensland. <i>Special Paper of the Geological Society of America</i> , 1992, , 115-126.	0.5	7
29	Geochemistry of Paleoproterozoic Granites of the East Pilbara Terrane, Pilbara Craton, Western Australia. , 2019, , 487-518.		6
30	Geology, geochemistry and depositional history of the Port Campbell Limestone on the eastern flank of the Otway Basin, southeastern Australia. <i>Australian Journal of Earth Sciences</i> , 2022, 69, 509-538.	1.0	3