

# Jacqueline A Halpin

## List of Publications by Citations

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56  
papers

2,454  
citations

28  
h-index

49  
g-index

60  
ext. papers

2,838  
ext. citations

4.4  
avg, IF

5.06  
L-index

#	Paper	IF	Citations
56	Trace element content of sedimentary pyrite as a new proxy for deep-time ocean-atmosphere evolution. <i>Earth and Planetary Science Letters</i> , <b>2014</b> , 389, 209-220	5.3	280
55	The configuration of Greater Gondwana—Evidence from LA ICPMS, U-Pb geochronology of detrital zircons from the Palaeozoic and Mesozoic of Southeast Asia and China. <i>Gondwana Research</i> , <b>2014</b> , 26, 31-51	5.1	216
54	Trace Element Content of Sedimentary Pyrite in Black Shales. <i>Economic Geology</i> , <b>2015</b> , 110, 1389-1410	4.3	203
53	Spatially-focussed melt formation in aluminous metapelites from Broken Hill, Australia. <i>Journal of Metamorphic Geology</i> , <b>2005</b> , 22, 825-845	4.4	196
52	The Western Ailaoshan Volcanic Belts and their SE Asia connection: A new tectonic model for the Eastern Indochina Block. <i>Gondwana Research</i> , <b>2014</b> , 26, 52-74	5.1	120
51	The Central Ailaoshan ophiolite and modern analogs. <i>Gondwana Research</i> , <b>2014</b> , 26, 75-88	5.1	89
50	Cycles of nutrient trace elements in the Phanerozoic ocean. <i>Gondwana Research</i> , <b>2015</b> , 28, 1282-1293	5.1	88
49	In-situ U-Pb geochronology and Hf isotope analyses of the Rayner Complex, east Antarctica. <i>Contributions To Mineralogy and Petrology</i> , <b>2005</b> , 148, 689-706	3.5	82
48	The Tam Ky-Phuoc Son Shear Zone in central Vietnam: Tectonic and metallogenic implications. <i>Gondwana Research</i> , <b>2014</b> , 26, 144-164	5.1	71
47	Decoding near-concordant U-Pb zircon ages spanning several hundred million years: recrystallisation, metamictisation or diffusion?. <i>Contributions To Mineralogy and Petrology</i> , <b>2012</b> , 163, 67-85	3.5	71
46	Authigenic monazite and detrital zircon dating from the Proterozoic Rocky Cape Group, Tasmania: Links to the Belt-Purcell Supergroup, North America. <i>Precambrian Research</i> , <b>2014</b> , 250, 50-67	3.9	64
45	U-Pb zircon geochronology and geochemistry from NE Vietnam: A tectonically disputed territory between the Indochina and South China blocks. <i>Gondwana Research</i> , <b>2016</b> , 34, 254-273	5.1	61
44	Gold in the oceans through time. <i>Earth and Planetary Science Letters</i> , <b>2015</b> , 428, 139-150	5.3	58
43	Contrasting P-T paths for Neoproterozoic metamorphism in MacRobertson and Kemp Lands, east Antarctica. <i>Journal of Metamorphic Geology</i> , <b>2007</b> , 25, 683-701	4.4	54
42	Naturaliste Plateau, offshore Western Australia: A submarine window into Gondwana assembly and breakup. <i>Geology</i> , <b>2008</b> , 36, 807	5	48
41	The chemical conditions of the late Archean Hamersley basin inferred from whole rock and pyrite geochemistry with $\delta^{34}\text{S}$ and $\delta^{33}\text{S}$ isotope analyses. <i>Geochimica Et Cosmochimica Acta</i> , <b>2015</b> , 149, 223-250	5.5	44
40	The Proterozoic P-T Evolution of the Kemp Land Coast, East Antarctica; Constraints from Si-saturated and Si-undersaturated Metapelites. <i>Journal of Petrology</i> , <b>2007</b> , 48, 1321-1349	3.9	43

39	Thermal gradient and timing of high-T/low-P metamorphism in the Wongwibinda Metamorphic Complex, southern New England Orogen, Australia. <i>Journal of Metamorphic Geology</i> , <b>2012</b> , 30, 3-20	4.4	40
38	Evidence for melt migration enhancing recrystallization of metastable assemblages in mafic lower crust, Fiordland, New Zealand. <i>Journal of Metamorphic Geology</i> , <b>2009</b> , 27, 167-185	4.4	37
37	Mesoproterozoic Tasmania: Witness to the East Antarctica-Laurentia connection within Nuna. <i>Geology</i> , <b>2015</b> , 43, 759-762	5	36
36	Severe selenium depletion in the Phanerozoic oceans as a factor in three global mass extinction events. <i>Gondwana Research</i> , <b>2016</b> , 36, 209-218	5.1	35
35	A cryptic Gondwana-forming orogen located in Antarctica. <i>Scientific Reports</i> , <b>2018</b> , 8, 8371	4.9	34
34	Australian-Antarctic breakup and seafloor spreading: Balancing geological and geophysical constraints. <i>Earth-Science Reviews</i> , <b>2019</b> , 188, 41-58	10.2	33
33	Exhumation of the Dayman dome metamorphic core complex, eastern Papua New Guinea. <i>Journal of Metamorphic Geology</i> , <b>2009</b> , 27, 405-422	4.4	32
32	Eastern Indian Ocean microcontinent formation driven by plate motion changes. <i>Earth and Planetary Science Letters</i> , <b>2016</b> , 454, 203-212	5.3	32
31	Basin analysis in polymetamorphic terranes: An example from east Antarctica. <i>Precambrian Research</i> , <b>2013</b> , 231, 78-97	3.9	30
30	Metastable persistence of pelitic metamorphic assemblages at the root of a Cretaceous magmatic arc (Fiordland, New Zealand). <i>Journal of Metamorphic Geology</i> , <b>2009</b> , 27, 233-247	4.4	30
29	A new heat flux model for the Antarctic Peninsula incorporating spatially variable upper crustal radiogenic heat production. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 5436-5446	4.9	28
28	A Multiproxy provenance approach to uncovering the assembly of East Gondwana in Antarctica. <i>Geology</i> , <b>2019</b> , 47, 645-649	5	27
27	Discovery of a microcontinent (Gulden Draak Knoll) offshore Western Australia: Implications for East Gondwana reconstructions. <i>Gondwana Research</i> , <b>2015</b> , 28, 1019-1031	5.1	25
26	Naturaliste Plateau: constraints on the timing and evolution of the Kerguelen Large Igneous Province and its role in Gondwana breakup. <i>Australian Journal of Earth Sciences</i> , <b>2017</b> , 64, 851-869	1.4	24
25	Global whole-rock geochemical database compilation. <i>Earth System Science Data</i> , <b>2019</b> , 11, 1553-1566	10.5	24
24	Rodinian devil in disguise: Correlation of 1.25-1.10 Ga strata between Tasmania and Grand Canyon. <i>Geology</i> , <b>2018</b> , 46, 991-994	5	23
23	Earliest Paleoproterozoic high-grade metamorphism and orogenesis in the Gawler Craton, South Australia: The southern cousin in the Rae family?. <i>Precambrian Research</i> , <b>2016</b> , 276, 123-144	3.9	20
22	Tectonic drivers and the influence of the Kerguelen plume on seafloor spreading during formation of the early Indian Ocean. <i>Gondwana Research</i> , <b>2016</b> , 35, 97-114	5.1	19

21	RELEASE OF TRACE ELEMENTS THROUGH THE SUB-GREENSCHIST FACIES BREAKDOWN OF DETRITAL RUTILE TO METAMORPHIC TITANITE IN THE OTAGO SCHIST, NEW ZEALAND. <i>Canadian Mineralogist</i> , <b>2015</b> , 53, 379-400	0.7	17
20	Strike-slip tectonics during the Neoproterozoic-Cambrian assembly of East Gondwana: Evidence from a newly discovered microcontinent in the Indian Ocean (Batavia Knoll). <i>Gondwana Research</i> , <b>2017</b> , 51, 137-148	5.1	14
19	Neoproterozoic opening of the Pacific Ocean recorded by multi-stage rifting in Tasmania, Australia. <i>Earth-Science Reviews</i> , <b>2020</b> , 201, 103041	10.2	12
18	Fingerprinting Proterozoic Bedrock in Interior Wilkes Land, East Antarctica. <i>Scientific Reports</i> , <b>2019</b> , 9, 10192	4.9	11
17	Heat Flow in Southern Australia and Connections With East Antarctica. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2019</b> , 20, 5352-5370	3.6	9
16	A Multivariate Approach for Mapping Lithospheric Domain Boundaries in East Antarctica. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 10404-10416	4.9	9
15	Depositional age and correlation of the Oonah Formation: refining the timing of Neoproterozoic basin formation in Tasmania. <i>Australian Journal of Earth Sciences</i> , <b>2018</b> , 65, 391-407	1.4	7
14	Mantle rocks in East Antarctica. <i>Geological Society Memoir</i> , M56-2020-8	0.4	7
13	Inferring geothermal heat flux from an ice-borehole temperature profile at Law Dome, East Antarctica. <i>Journal of Glaciology</i> , <b>2020</b> , 66, 509-519	3.4	6
12	The metamorphic sole of the western Tasmanian ophiolite: New insights into the Cambrian tectonic setting of the Gondwana Pacific margin. <i>Gondwana Research</i> , <b>2016</b> , 38, 351-369	5.1	6
11	High-T <sub>low</sub> -P thermal anomalies superposed on biotite-grade rocks, Wongwibinda Metamorphic Complex, southern New England Orogen, Australia: heat advection by aqueous fluid?. <i>Australian Journal of Earth Sciences</i> , <b>2013</b> , 60, 621-635	1.4	6
10	Scratching the Surface: A Marine Sediment Provenance Record From the Continental Slope of Central Wilkes Land, East Antarctica. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2020</b> , 21, e2020GC009156	3.6	6
9	Pangea Rifting Shaped the East Antarctic Landscape. <i>Tectonics</i> , <b>2020</b> , 39, e2020TC006180	4.3	5
8	Antarctic Geothermal Heat Flow Model: Aq1. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2021</b> , 22, e2020GC009428	9.4	4
7	Timing and style of high-temperature metamorphism across the Western Gawler Craton during the Paleo- to Mesoproterozoic. <i>Australian Journal of Earth Sciences</i> , <b>2019</b> , 66, 1085-1111	1.4	3
6	Mesoproterozoic Tasmania: Witness to the East Antarctica-Laurentia connection within Nuna: REPLY. <i>Geology</i> , <b>2016</b> , 44, e383-e383	5	3
5	Structural Configuration of the Central African Copperbelt: Roles of Evaporites in Structural Evolution, Basin Hydrology, and Ore Location <b>2018</b> ,		3
4	The Antarctic Crust and Upper Mantle: A Flexible 3D Model and Software Framework for Interdisciplinary Research. <i>Frontiers in Earth Science</i> , <b>2020</b> , 8,	3.5	3

3	Pyrite Textures, Trace Elements and Sulfur Isotope Chemistry of Bijaigarh Shales, Vindhyan Basin, India and Their Implications. <i>Minerals (Basel, Switzerland)</i> , <b>2020</b> , 10, 588	2.4	2
2	Provenance of Upper Jurassic-Lower Cretaceous strata in the Mentelle Basin, southwestern Australia, reveals a trans-Gondwanan fluvial pathway. <i>Gondwana Research</i> , <b>2021</b> , 93, 128-141	5.1	2
1	PetroChron Antarctica: A Geological Database for Interdisciplinary Use. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2021</b> , 22,	3.6	1