Andrew S Merdith

List of Publications by Year
in descending order

25 papers	1,167 citations	567144 15 h-index	580701 25 g-index
33 all docs	33 docs citations	33 times ranked	951 citing authors

#	Article	IF	Citations
1	A full-plate global reconstruction of the Neoproterozoic. Gondwana Research, 2017, 50, 84-134.	3.0	474
2	Extending full-plate tectonic models into deep time: Linking the Neoproterozoic and the Phanerozoic. Earth-Science Reviews, 2021, 214, 103477.	4.0	183
3	Rift and plate boundary evolution across two supercontinent cycles. Global and Planetary Change, 2019, 173, 1-14.	1.6	70
4	Kinematic constraints on the Rodinia to Gondwana transition. Precambrian Research, 2017, 299, 132-150.	1.2	59
5	Evolution of Earth's tectonic carbon conveyor belt. Nature, 2022, 605, 629-639.	13.7	43
6	Global chemical weathering dominated by continental arcs since the mid-Palaeozoic. Nature Geoscience, 2021, 14, 690-696.	5.4	40
7	Rodinian devil in disguise: Correlation of 1.25–1.10 Ga strata between Tasmania and Grand Canyon. Geology, 2018, 46, 991-994.	2.0	30
8	Evolving Marginal Terranes During Neoproterozoic Supercontinent Reorganization: Constraints From the Bemarivo Domain in Northern Madagascar. Tectonics, 2019, 38, 2019-2035.	1.3	29
9	Exploring Carbon Mineral Systems: Recent Advances in C Mineral Evolution, Mineral Ecology, and Network Analysis. Frontiers in Earth Science, 2020, 8, .	0.8	29
10	Closure of the Proterozoic Mozambique Ocean was instigated by a late Tonian plate reorganization event. Communications Earth & Environment, 2021, 2, .	2.6	23
11	Neoproterozoic opening of the Pacific Ocean recorded by multi-stage rifting in Tasmania, Australia. Earth-Science Reviews, 2020, 201, 103041.	4.0	21
12	Long-term Phanerozoic sea level change from solid Earth processes. Earth and Planetary Science Letters, 2022, 584, 117451.	1.8	21
13	Assembly of the basal mantle structure beneath Africa. Nature, 2022, 603, 846-851.	13.7	19
14	Tectonic Controls on Carbon and Serpentinite Storage in Subducted Upper Oceanic Lithosphere for the Past 320 Ma. Frontiers in Earth Science, 2019, 7, .	0.8	16
15	A tectonic-rules-based mantle reference frame since 1 billion years ago – implications for supercontinent cycles and plate–mantle system evolution. Solid Earth, 2022, 13, 1127-1159.	1.2	16
16	Tectonic environments of South American porphyry copper magmatism through time revealed by spatiotemporal data mining. Tectonics, 2016, 35, 2847-2862.	1.3	15
17	Pulsated Global Hydrogen and Methane Flux at Mid–Ocean Ridges Driven by Pangea Breakup. Geochemistry, Geophysics, Geosystems, 2020, 21, e2019GC008869.	1.0	15
18	Towards a predictive model for opal exploration using a spatio-temporal data mining approach. Australian Journal of Earth Sciences, 2013, 60, 217-229.	0.4	11

#	Article	IF	Citations
19	Relationships between palaeogeography and opal occurrence in Australia: A data-mining approach. Computers and Geosciences, 2013, 56, 76-82.	2.0	11
20	Palaeolatitudinal distribution of the Ediacaran macrobiota. Journal of the Geological Society, 2022, 179, .	0.9	10
21	Transient mobilization of subcrustal carbon coincident with Palaeocene–Eocene Thermal Maximum. Nature Geoscience, 2022, 15, 573-579.	5.4	8
22	Prospectivity of Western Australian iron ore from geophysical data using a reject option classifier. Ore Geology Reviews, 2015, 71, 761-776.	1.1	7
23	The influence of mantle flow on intracontinental basins: Three examples from Australia. Basin Research, 2021, 33, 1429-1453.	1.3	5
24	Dataset for H_2, CH_4 and organic compounds formation during experimental serpentinization. Geoscience Data Journal, 2021, 8, 90-100.	1.8	4
25	The Arabian–Nubian Shield Within the Neoproterozoic Plate Tectonic Circuit. Regional Geology Reviews, 2021, , 195-202.	1.2	2