

David Flannery

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

668
citations

687363

13
h-index

713466

21
g-index

30
all docs

30
docs citations

30
times ranked

911
citing authors

#	ARTICLE	IF	CITATIONS
1	Reassessing evidence of life in 3,700-million-year-old rocks of Greenland. <i>Nature</i> , 2018, 563, 241-244.	27.8	114
2	Archean tufted microbial mats and the Great Oxidation Event: new insights into an ancient problem. <i>Australian Journal of Earth Sciences</i> , 2012, 59, 1-11.	1.0	99
3	Photogeologic Map of the Perseverance Rover Field Site in Jezero Crater Constructed by the Mars 2020 Science Team. <i>Space Science Reviews</i> , 2020, 216, 1.	8.1	67
4	Sulfur-cycling fossil bacteria from the 1.8-Ga Duck Creek Formation provide promising evidence of evolution's null hypothesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2087-2092.	7.1	51
5	Sedimentology, stratigraphy and geochemistry of a stromatolite biofacies in the 2.72Ga Tumbiana Formation, Fortescue Group, Western Australia. <i>Precambrian Research</i> , 2013, 236, 282-296.	2.7	38
6	Oxygen-Dependent Morphogenesis of Modern Clumped Photosynthetic Mats and Implications for the Archean Stromatolite Record. <i>Geosciences (Switzerland)</i> , 2012, 2, 235-259.	2.2	36
7	Chapter 10 Palaeo-Mesoproterozoic sedimentation and tectonics of the Singhbhum Craton, eastern India, and implications for global and craton-specific geological events. <i>Geological Society Memoir</i> , 2015, 43, 139-149.	1.7	30
8	Spatially-resolved isotopic study of carbon trapped in ~ 3.43 -Ga Strelley Pool Formation stromatolites. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 223, 21-35.	3.9	26
9	Lacustrine facies dependence of highly ^{13}C -depleted organic matter during the global age of methanotrophy. <i>Precambrian Research</i> , 2016, 285, 216-241.	2.7	25
10	Investigating Habitability with an Integrated Rock-Climbing Robot and Astrobiology Instrument Suite. <i>Astrobiology</i> , 2020, 20, 1427-1449.	3.0	23
11	Sedimentology, chemostratigraphy, and stromatolites of lower Paleoproterozoic carbonates, Turee Creek Group, Western Australia. <i>Precambrian Research</i> , 2015, 266, 194-211.	2.7	22
12	Texture-specific elemental analysis of rocks and soils with PIXL: The Planetary Instrument for X-ray Lithochemistry on Mars 2020. , 2015, , .		21
13	Characteristics, Origins, and Biosignature Preservation Potential of Carbonate-Bearing Rocks Within and Outside of Jezero Crater. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006898.	3.6	16
14	Organo-mineral associations in chert of the 3.5 Ga Mount Ada Basalt raise questions about the origin of organic matter in Paleoproterozoic hydrothermally influenced sediments. <i>Scientific Reports</i> , 2019, 9, 16712.	3.3	13
15	A Review of Current Approaches for UAV Autonomous Mission Planning for Mars Biosignatures Detection. , 2020, , .		13
16	Hydrocarbons preserved in a ~ 2.7 -Ga outcrop sample from the Fortescue Group, Pilbara Craton, Western Australia. <i>Geobiology</i> , 2015, 13, 99-111.	2.4	12
17	Microbially influenced formation of Neoproterozoic ooids. <i>Geobiology</i> , 2019, 17, 151-160.	2.4	12
18	Automating X-ray Fluorescence Analysis for Rapid Astrobiology Surveys. <i>Astrobiology</i> , 2015, 15, 961-976.	3.0	8

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19	The <i>ca</i> 2.74 Ga Mopoke Member, Kylene Formation: a marine incursion into the northern Fortescue Group?. Australian Journal of Earth Sciences, 2014, 61, 1095-1108.	1.0	7
20	A Probabilistic based UAV Mission Planning and Navigation for Planetary Exploration. , 2020, , .		7
21	Towards a Probabilistic Based Autonomous UAV Mission Planning for Planetary Exploration. , 2021, , .		7
22	An empirical derivation of the X-ray optic transmission profile used in calibrating the Planetary Instrument for X-ray Lithochemistry (PIXL) for Mars 2020. Powder Diffraction, 2018, 33, 162-165.	0.2	6
23	Organic geochemistry of a high-latitude Lower Cretaceous lacustrine sediment sample from the Koonwarra Fossil Beds, South Gippsland, Victoria, Australia. Memoirs of Museum Victoria, 2016, 74, 73-79.	0.6	6
24	Archean Lakes as Analogues for Habitable Martian Paleoenvironments. , 2018, , 127-152.		4
25	Analyzing sources of uncertainty in terrestrial organic carbon isotope data: A case study across the K-Pg boundary in Montana, USA. Palaeogeography, Palaeoclimatology, Palaeoecology, 2021, 574, 110451.	2.3	3
26	Stratigraphy, sedimentology and paleontology of Upper Cretaceous deposits of Day Nunatak, Snow Hill Island, Antarctica. Cretaceous Research, 2018, 84, 407-419.	1.4	2
27	Global Darwin: ideas blurred in early eastern translations. Nature, 2009, 462, 984-984.	27.8	0
28	Reply to Dvořák et al.: Apparent evolutionary stasis of ancient seafloor sulfur cycling biocoenoses. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2560-E2560.	7.1	0