

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	Towards a Probabilistic Based Autonomous UAV Mission Planning for Planetary Exploration. , 2021, , .		7
2	Analyzing sources of uncertainty in terrestrial organic carbon isotope data: A case study across the K-Pg boundary in Montana, USA. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 574, 110451.	2.3	3
3	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
4	A Probabilistic based UAV Mission Planning and Navigation for Planetary Exploration. , 2020, , .		7
5	Investigating Habitability with an Integrated Rock-Climbing Robot and Astrobiology Instrument Suite. <i>Astrobiology</i> , 2020, 20, 1427-1449.	3.0	23
6	A Review of Current Approaches for UAV Autonomous Mission Planning for Mars Biosignatures Detection. , 2020, , .		13
7	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
8	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
9	Microbially influenced formation of Neoproterozoic ooids. <i>Geobiology</i> , 2019, 17, 151-160.	2.4	12
10	Spatially-resolved isotopic study of carbon trapped in $\delta^{13}C$ -Ga Strelley Pool Formation stromatolites. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 223, 21-35.	3.9	26
11	Stratigraphy, sedimentology and paleontology of Upper Cretaceous deposits of Day Nunatak, Snow Hill Island, Antarctica. <i>Cretaceous Research</i> , 2018, 84, 407-419.	1.4	2
12	Reassessing evidence of life in 3,700-million-year-old rocks of Greenland. <i>Nature</i> , 2018, 563, 241-244.	27.8	114
13	Archean Lakes as Analogues for Habitable Martian Paleoenvironments. , 2018, , 127-152.		4
14	An empirical derivation of the X-ray optic transmission profile used in calibrating the Planetary Instrument for X-ray Lithochemistry (PIXL) for Mars 2020. <i>Powder Diffraction</i> , 2018, 33, 162-165.	0.2	6
15	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
16	Organic geochemistry of a high-latitude Lower Cretaceous lacustrine sediment sample from the Koonwarra Fossil Beds, South Gippsland, Victoria, Australia. <i>Memoirs of Museum Victoria</i> , 2016, 74, 73-79.	0.6	6
17	Sedimentology, chemostratigraphy, and stromatolites of lower Paleoproterozoic carbonates, Turee Creek Group, Western Australia. <i>Precambrian Research</i> , 2015, 266, 194-211.	2.7	22
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	Sulfur-cycling fossil bacteria from the 1.8-Ga Duck Creek Formation provide promising evidence of evolution's null hypothesis. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2087-2092.	7.1	51
20	Reply to Dvořák et al.: Apparent evolutionary stasis of ancient subseafloor sulfur cycling biocoenoses. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2560-E2560.	7.1	0
21	Chapter 10 Palaeo-Mesoproterozoic sedimentation and tectonics of the Singhbhum Craton, eastern India, and implications for global and craton-specific geological events. Geological Society Memoir, 2015, 43, 139-149.	1.7	30
22	Hydrocarbons preserved in a ~2.7Ga outcrop sample from the Fortescue Group, Pilbara Craton, Western Australia. Geobiology, 2015, 13, 99-111.	2.4	12
23	Texture-specific elemental analysis of rocks and soils with PIXL: The Planetary Instrument for X-ray Lithochemistry on Mars 2020. , 2015, , .		21
24	The ~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
25	Sedimentology, stratigraphy and geochemistry of a stromatolite biofacies in the 2.72Ga Tumbiana Formation, Fortescue Group, Western Australia. Precambrian Research, 2013, 236, 282-296.	2.7	38
26	Oxygen-Dependent Morphogenesis of Modern Clumped Photosynthetic Mats and Implications for the Archean Stromatolite Record. Geosciences (Switzerland), 2012, 2, 235-259.	2.2	36
27	Archean tufted microbial mats and the Great Oxidation Event: new insights into an ancient problem. Australian Journal of Earth Sciences, 2012, 59, 1-11.	1.0	99
28	Global Darwin: ideas blurred in early eastern translations. Nature, 2009, 462, 984-984.	27.8	0