

Keyron Hickman-Lewis

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

581
citations

687363

13
h-index

642732

23
g-index

26
all docs

26
docs citations

26
times ranked

694
citing authors

#	ARTICLE	IF	CITATIONS
1	A Hydrothermal-Sedimentary Context for the Origin of Life. <i>Astrobiology</i> , 2018, 18, 259-293.	3.0	116
2	Perseverance rover reveals an ancient delta-lake system and flood deposits at Jezero crater, Mars. <i>Science</i> , 2021, 374, 711-717.	12.6	86
3	The Dallol Geothermal Area, Northern Afar (Ethiopia)â€”An Exceptional Planetary Field Analog on Earth. <i>Astrobiology</i> , 2019, 19, 553-578.	3.0	51
4	Most ancient evidence for life in the Barberton greenstone belt: Microbial mats and biofabrics of the ~ 3.47 Ga Middle Marker horizon. <i>Precambrian Research</i> , 2018, 312, 45-67.	2.7	47
5	Metallomics in deep time and the influence of ocean chemistry on the metabolic landscapes of Earth's earliest ecosystems. <i>Scientific Reports</i> , 2020, 10, 4965.	3.3	31
6	Carbonaceous microstructures from sedimentary laminated chert within the 3.46 Ga Apex Basalt, Chinaman Creek locality, Pilbara, Western Australia. <i>Precambrian Research</i> , 2016, 278, 161-178.	2.7	29
7	Extraterrestrial organic matter preserved in 3.33 Ga sediments from Barberton, South Africa. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 258, 207-225.	3.9	21
8	Advanced analytical techniques for studying the morphology and chemistry of Proterozoic microfossils. <i>Geological Society Special Publication</i> , 2017, 448, 81-104.	1.3	19
9	Mechanistic Morphogenesis of Organo-Sedimentary Structures Growing Under Geochemically Stressed Conditions: Keystone to Proving the Biogenicity of Some Archaean Stromatolites?. <i>Geosciences (Switzerland)</i> , 2019, 9, 359.	2.2	19
10	Nanoscale 3D quantitative imaging of 1.88 Ga Gunflint microfossils reveals novel insights into taphonomic and biogenic characters. <i>Scientific Reports</i> , 2020, 10, 8163.	3.3	18
11	Reconstructing Palaeoarchaeal microbial biomes flourishing in the presence of emergent landmasses using trace and rare earth element systematics. <i>Precambrian Research</i> , 2020, 342, 105689.	2.7	17
12	Diverse communities of Bacteria and Archaea flourished in Palaeoarchaeal (3.5â€“3.3 Ga) microbial mats. <i>Palaeontology</i> , 2020, 63, 1007-1033.	2.2	16
13	Fluvial or aeolian grains? Separation of transport agents on Mars using earth analogue observations. <i>Planetary and Space Science</i> , 2018, 163, 56-76.	1.7	15
14	Microbial Diversity and Biosignatures: An Icy Moons Perspective. <i>Space Science Reviews</i> , 2020, 216, 1.	8.1	14
15	Stochastic Prebiotic Chemistry within Realistic Geological Systems. <i>ChemistrySelect</i> , 2016, 1, 4906-4926.	1.5	13
16	Impact of Simulated Martian Conditions on (Facultatively) Anaerobic Bacterial Strains from Different Mars Analogue Sites. <i>Current Issues in Molecular Biology</i> , 2020, 38, 103-122.	2.4	12
17	Traces of Early Life From the Barberton Greenstone Belt, South Africa. , 2019, , 1029-1058.		11
18	On biosignatures for Mars. <i>International Journal of Astrobiology</i> , 2021, 20, 377-393.	1.6	11

#	ARTICLE	IF	CITATIONS
19	Definition and use of functional analogues in planetary exploration. Planetary and Space Science, 2021, 197, 105162.	1.7	10
20	X-ray microtomography as a tool for investigating the petrological context of Precambrian cellular remains. Geological Society Special Publication, 2017, 448, 33-56.	1.3	8
21	Biosignatures in Deep Time. Advances in Astrobiology and Biogeophysics, 2019, , 145-164.	0.6	5
22	Importance of Prokaryotes in the Functioning and Evolution of the Present and Past Geosphere and Biosphere. , 2018, , 57-129.		4
23	Geological appraisals of core samples using the ExoMars 2020 rover instrumentation. Planetary and Space Science, 2020, 180, 104743.	1.7	4
24	A southern African perspective on the co-evolution of early life and environments. South African Journal of Geology, 2021, 124, 225-252.	1.2	3
25	A Statistical Approach to Illustrate the Challenge of Astrobiology for Public Outreach. Life, 2017, 7, 40.	2.4	1