

# Kevin W Lewis

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

1,089  
citations

623734

14  
h-index

839539

18  
g-index

18  
all docs

18  
docs citations

18  
times ranked

1188  
citing authors

#	ARTICLE	IF	CITATIONS
1	A fragile record of fleeting water on Mars. <i>Geology</i> , 2022, 50, 152-157.	4.4	4
2	Orbital Observations of a Marker Horizon at Gale Crater. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	3.6	5
3	Burial and Exhumation of Sedimentary Rocks Revealed by the Base Stimson Erosional Unconformity, Gale Crater, Mars. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	3.6	3
4	Regional Correlations in the Layered Deposits of Arabia Terra, Mars. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006188.	3.6	11
5	A surface gravity traverse on Mars indicates low bedrock density at Gale crater. <i>Science</i> , 2019, 363, 535-537.	12.6	49
6	Ancient Martian aeolian processes and palaeomorphology reconstructed from the Stimson formation on the lower slope of Aeolis Mons, Gale crater, Mars. <i>Sedimentology</i> , 2018, 65, 993-1042.	3.1	143
7	Shaler: <i>in situ</i> analysis of a fluvial sedimentary deposit on Mars. <i>Sedimentology</i> , 2018, 65, 96-122.	3.1	59
8	Complex bedding geometry in the upper portion of Aeolis Mons, Gale crater, Mars. <i>Icarus</i> , 2018, 314, 246-264.	2.5	20
9	The Bagnold Dunes in Southern Summer: Active Sediment Transport on Mars Observed by the Curiosity Rover. <i>Geophysical Research Letters</i> , 2018, 45, 8853-8863.	4.0	50
10	Evolution of major sedimentary mounds on Mars: Buildup via anticompensational stacking modulated by climate change. <i>Journal of Geophysical Research E: Planets</i> , 2016, 121, 2282-2324.	3.6	28
11	Occurrence and origin of rhythmic sedimentary rocks on Mars. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 1432-1457.	3.6	42
12	Growth and form of the mound in Gale Crater, Mars: Slope wind enhanced erosion and transport. <i>Geology</i> , 2013, 41, 543-546.	4.4	147
13	Early Mars hydrology: 2. Hydrological evolution in the Noachian and Hesperian epochs. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	112
14	Field reconnaissance geologic mapping of the Columbia Hills, Mars, based on Mars Exploration Rover Spirit and MRO HiRISE observations. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	24
15	The High Resolution Imaging Science Experiment (HiRISE) during MRO's Primary Science Phase (PSP). <i>Icarus</i> , 2010, 205, 2-37.	2.5	153
16	Relative age of interior layered deposits in southwest Candor Chasma based on high-resolution structural mapping. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	44
17	Quasi-Periodic Bedding in the Sedimentary Rock Record of Mars. <i>Science</i> , 2008, 322, 1532-1535.	12.6	118
18	Stratigraphic analysis of the distributary fan in Eberswalde crater using stereo imagery. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	77