

Nathan Bridges

List of Publications by Year in descending order

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27
papers

5,083
citations

218592

26
h-index

526166

27
g-index

27
all docs

27
docs citations

27
times ranked

3203
citing authors

#	ARTICLE	IF	CITATIONS
1	Coarse Sediment Transport in the Modern Martian Environment. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 1380-1394.	1.5	44
2	Compositional variations in sands of the Bagnold Dunes, Gale crater, Mars, from visible- ϵ shortwave infrared spectroscopy and comparison with ground truth from the Curiosity rover. <i>Journal of Geophysical Research E: Planets</i> , 2017, 122, 2489-2509.	1.5	64
3	Martian aeolian activity at the Bagnold Dunes, Gale Crater: The view from the surface and orbit. <i>Journal of Geophysical Research E: Planets</i> , 2017, 122, 2077-2110.	1.5	77
4	Chemistry, mineralogy, and grain properties at Namib and High dunes, Bagnold dune field, Gale crater, Mars: A synthesis of Curiosity rover observations. <i>Journal of Geophysical Research E: Planets</i> , 2017, 122, 2510-2543.	1.5	95
5	Sedimentary processes of the Bagnold Dunes: Implications for the eolian rock record of Mars. <i>Journal of Geophysical Research E: Planets</i> , 2017, 122, 2544-2573.	1.5	83
6	Geochemistry of the Bagnold dune field as observed by ChemCam and comparison with other aeolian deposits at Gale Crater. <i>Journal of Geophysical Research E: Planets</i> , 2017, 122, 2144-2162.	1.5	46
7	Large wind ripples on Mars: A record of atmospheric evolution. <i>Science</i> , 2016, 353, 55-58.	6.0	144
8	ChemCam activities and discoveries during the nominal mission of the Mars Science Laboratory in Gale crater, Mars. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 863-889.	1.6	134
9	Threshold for sand mobility on Mars calibrated from seasonal variations of sand flux. <i>Nature Communications</i> , 2014, 5, 5096.	5.8	86
10	Volatile and Organic Compositions of Sedimentary Rocks in Yellowknife Bay, Gale Crater, Mars. <i>Science</i> , 2014, 343, 1245267.	6.0	323
11	A Habitable Fluvio-Lacustrine Environment at Yellowknife Bay, Gale Crater, Mars. <i>Science</i> , 2014, 343, 1242777.	6.0	687
12	Mineralogy of a Mudstone at Yellowknife Bay, Gale Crater, Mars. <i>Science</i> , 2014, 343, 1243480.	6.0	508
13	Elemental Geochemistry of Sedimentary Rocks at Yellowknife Bay, Gale Crater, Mars. <i>Science</i> , 2014, 343, 1244734.	6.0	246
14	The rock abrasion record at Gale Crater: Mars Science Laboratory results from Bradbury Landing to Rocknest. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 1374-1389.	1.5	46
15	Bedform migration on Mars: Current results and future plans. <i>Aeolian Research</i> , 2013, 9, 133-151.	1.1	76
16	X-ray Diffraction Results from Mars Science Laboratory: Mineralogy of Rocknest at Gale Crater. <i>Science</i> , 2013, 341, 1238932.	6.0	327
17	Volatile, Isotope, and Organic Analysis of Martian Fines with the Mars Curiosity Rover. <i>Science</i> , 2013, 341, 1238937.	6.0	367
18	Martian Fluvial Conglomerates at Gale Crater. <i>Science</i> , 2013, 340, 1068-1072.	6.0	326

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19	The Petrochemistry of Jake_M: A Martian Mugarite. <i>Science</i> , 2013, 341, 1239463.	6.0	134
20	Estimating rock compressive strength from Rock Abrasion Tool (RAT) grinds. <i>Journal of Geophysical Research E: Planets</i> , 2013, 118, 1233-1244.	1.5	27
21	Planet-wide sand motion on Mars. <i>Geology</i> , 2012, 40, 31-34.	2.0	136
22	The ChemCam Instrument Suite on the Mars Science Laboratory (MSL) Rover: Body Unit and Combined System Tests. <i>Space Science Reviews</i> , 2012, 170, 167-227.	3.7	429
23	Earth-like sand fluxes on Mars. <i>Nature</i> , 2012, 485, 339-342.	13.7	219
24	Seasonal Erosion and Restoration of Mars's Northern Polar Dunes. <i>Science</i> , 2011, 331, 575-578.	6.0	205
25	Ripple migration and dune activity on Mars: Evidence for dynamic wind processes. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	150
26	Rock abrasion features in the Columbia Hills, Mars. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	26
27	Windy Mars: A dynamic planet as seen by the HiRISE camera. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	78