

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	A Habitable Fluvio-Lacustrine Environment at Yellowknife Bay, Gale Crater, Mars. Science, 2014, 343, 1242777.	6.0	687
2	Mineralogy of a Mudstone at Yellowknife Bay, Gale Crater, Mars. Science, 2014, 343, 1243480.	6.0	508
3	The ChemCam Instrument Suite on the Mars Science Laboratory (MSL) Rover: Body Unit and Combined System Tests. Space Science Reviews, 2012, 170, 167-227.	3.7	429
4	Volatile, Isotope, and Organic Analysis of Martian Fines with the Mars Curiosity Rover. Science, 2013, 341, 1238937.	6.0	367
5	X-ray Diffraction Results from Mars Science Laboratory: Mineralogy of Rocknest at Gale Crater. Science, 2013, 341, 1238932.	6.0	327
6	Martian Fluvial Conglomerates at Gale Crater. Science, 2013, 340, 1068-1072.	6.0	326
7	Volatile and Organic Compositions of Sedimentary Rocks in Yellowknife Bay, Gale Crater, Mars. Science, 2014, 343, 1245267.	6.0	323
8	Elemental Geochemistry of Sedimentary Rocks at Yellowknife Bay, Gale Crater, Mars. Science, 2014, 343, 1244734.	6.0	246
9	Earth-like sand fluxes on Mars. Nature, 2012, 485, 339-342.	13.7	219
10	Seasonal Erosion and Restoration of Mars's Northern Polar Dunes. Science, 2011, 331, 575-578.	6.0	205
11	Ripple migration and dune activity on Mars: Evidence for dynamic wind processes. Geophysical Research Letters, 2010, 37, .	1.5	150
12	Large wind ripples on Mars: A record of atmospheric evolution. Science, 2016, 353, 55-58.	6.0	144
13	Planet-wide sand motion on Mars. Geology, 2012, 40, 31-34.	2.0	136
14	The Petrochemistry of Jake_M: A Martian Mugarite. Science, 2013, 341, 1239463.	6.0	134
15	ChemCam activities and discoveries during the nominal mission of the Mars Science Laboratory in Gale crater, Mars. Journal of Analytical Atomic Spectrometry, 2016, 31, 863-889.	1.6	134
16	Chemistry, mineralogy, and grain properties at Namib and High dunes, Bagnold dune field, Gale crater, Mars: A synthesis of Curiosity rover observations. Journal of Geophysical Research E: Planets, 2017, 122, 2510-2543.	1.5	95
17	Threshold for sand mobility on Mars calibrated from seasonal variations of sand flux. Nature Communications, 2014, 5, 5096.	5.8	86
18	Sedimentary processes of the Bagnold Dunes: Implications for the eolian rock record of Mars. Journal of Geophysical Research E: Planets, 2017, 122, 2544-2573.	1.5	83

#	ARTICLE	IF	CITATIONS
19	Windy Mars: A dynamic planet as seen by the HiRISE camera. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	78
20	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
21	Bedform migration on Mars: Current results and future plans. <i>Aeolian Research</i> , 2013, 9, 133-151.	1.1	76
22	Compositional variations in sands of the Bagnold Dunes, Gale crater, Mars, from visible- to 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
23	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
24	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
25	Coarse Sediment Transport in the Modern Martian Environment. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 1380-1394.	1.5	44
26	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
27	Rock abrasion features in the Columbia Hills, Mars. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	26