

James R Zimbelman

List of Publications by Year in descending order

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43
papers

1,992
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279798

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docs citations

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times ranked

1071
citing authors

#	ARTICLE	IF	CITATIONS
1	Martian volcanism: Current state of knowledge and known unknowns. <i>Chemie Der Erde</i> , 2022, 82, 125886.	2.0	3
2	Medusae Fossae Formation and the northern lowlands. , 2021, , 138-160.		1
3	Igneous composition. , 2021, , 162-189.		0
4	Evaluation of large data sets for Transverse Aeolian Ridges (TARs) on Earth and Mars. <i>Planetary and Space Science</i> , 2020, 189, 104966.	1.7	9
5	Dingo Gap: Curiosity Went Up a Small Transverse Aeolian Ridge and Came Down a Megaripple. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006489.	3.6	23
6	Marzieh Foroutan. <i>Planetary and Space Science</i> , 2020, 191, 104996.	1.7	1
7	Rafted pumice: A new model for the formation of the Medusae Fossae Formation, Mars. <i>Icarus</i> , 2020, 343, 113684.	2.5	16
8	Lava Rise Plateaus and Inflation Pits in the McCarty's Lava Flow Field, New Mexico: An Analog for Pahoehoe-Like Lava Flows on Planetary Surfaces. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE005975.	3.6	15
9	Great Sand Dunes. <i>Dunes of the World</i> , 2020, , 239-285.	0.5	2
10	The transition between sand ripples and megaripples on Mars. <i>Icarus</i> , 2019, 333, 127-129.	2.5	15
11	Learning About Planets Through Studying Wind-Related Processes on Earth. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 1003-1006.	3.6	1
12	Patterns in Mobility and Modification of Middle- and High-Latitude Southern Hemisphere Dunes on Mars. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 3205-3219.	3.6	35
13	Plateaus and sinuous ridges as the fingerprints of lava flow inflation in the Eastern Tharsis Plains of Mars. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 342, 29-46.	2.1	21
14	Surface slope effects for ripple orientation on sand dunes in L3pez crater, Terra Tyrrhena region of Mars. <i>Aeolian Research</i> , 2017, 26, 57-62.	2.7	2
15	Recent near-surface wind directions inferred from mapping sand ripples on Martian dunes. <i>Icarus</i> , 2015, 261, 169-181.	2.5	14
16	Dune Worlds. , 2014, , .		51
17	Precision topography of a reversing sand dune at Bruneau Dunes, Idaho, as an analog for Transverse Aeolian Ridges on Mars. <i>Icarus</i> , 2014, 230, 29-37.	2.5	35
18	Summary of the Third International Planetary Dunes Workshop: Remote Sensing and Image Analysis of Planetary Dunes, Flagstaff, Arizona, USA, June 12-15, 2012. <i>Aeolian Research</i> , 2013, 8, 29-38.	2.7	3

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19	Hesperian Age for Western Medusae Fossae Formation, Mars. Science, 2012, 336, 1683-1683.	12.6	46
20	Cross-sectional profiles of sand ripples, megaripples, and dunes: a method for discriminating between formational mechanisms. Earth Surface Processes and Landforms, 2012, 37, 1120-1125.	2.5	36
21	Transverse Aeolian Ridges (TARs) on Mars II: Distributions, orientations, and ages. Icarus, 2011, 213, 116-130.	2.5	80
22	HiRISE images of yardangs and sinuous ridges in the lower member of the Medusae Fossae Formation, Mars. Icarus, 2010, 205, 198-210.	2.5	82
23	Transverse Aeolian Ridges on Mars: First results from HiRISE images. Geomorphology, 2010, 121, 22-29.	2.6	96
24	Extraterrestrial dunes: An introduction to the special issue on planetary dune systems. Geomorphology, 2010, 121, 1-14.	2.6	144
25	Pervasive aqueous paleoflow features in the Aeolis/Zephyria Plana region, Mars. Icarus, 2009, 200, 52-76.	2.5	144
26	The rate of granule ripple movement on Earth and Mars. Icarus, 2009, 203, 71-76.	2.5	47
27	Evaluation of paleohydrologic models for terrestrial inverted channels: Implications for application to martian sinuous ridges. Geomorphology, 2009, 107, 300-315.	2.6	99
28	Emplacement of the 1907 Mauna Loa basalt flow as derived from precision topography and satellite imaging. Journal of Volcanology and Geothermal Research, 2008, 177, 837-847.	2.1	6
29	Transverse Aeolian Ridges (TARs) on Mars. Geomorphology, 2008, 101, 703-720.	2.6	158
30	Origin of the Medusae Fossae Formation, Mars: Insights from a synoptic approach. Journal of Geophysical Research, 2008, 113, .	3.3	141
31	Morphology and emplacement of a long channeled lava flow near Ascraeus Mons Volcano, Mars. Journal of Geophysical Research, 2007, 112, .	3.3	41
32	Eolian dunes and deposits in the western United States as analogs to wind-related features on Mars. , 2007, , 232-264.		5
33	Latitude-dependent nature and physical characteristics of transverse aeolian ridges on Mars. Journal of Geophysical Research, 2004, 109, .	3.3	90
34	Medusae Fossae Formation: New perspectives from Mars Global Surveyor. Journal of Geophysical Research, 2002, 107, 2-1.	3.3	121
35	Image resolution and evaluation of genetic hypotheses for planetary landscapes. Geomorphology, 2001, 37, 179-199.	2.6	42
36	Non-active dunes in the Acheron Fossae Region of Mars between the Viking and Mars Global Surveyor eras. Geophysical Research Letters, 2000, 27, 1069-1072.	4.0	54

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37	Volcanism on the Red Planet: Mars. , 2000, , 75-112.		23
38	Wind streaks: geological and botanical effects on surface albedo contrast. Geomorphology, 1996, 17, 167-185.	2.6	13
39	Is the Gordii Dorsum escarpment on Mars an exhumed transcurrent fault?. Nature, 1988, 336, 143-146.	27.8	41
40	Spatial resolution and the geologic interpretation of martian morphology: Implications for subsurface volatiles. Icarus, 1987, 71, 257-267.	2.5	33
41	Rheology of the 1983 Royal Gardens basalt flows, Kilauea Volcano, Hawaii. Bulletin of Volcanology, 1986, 48, 87-96.	3.0	62
42	Estimates of rheologic properties for flows on the Martian volcano Ascraeus Mons. Journal of Geophysical Research, 1985, 90, 157-162.	3.3	65
43	Thermal mapping of the northern equatorial and temperate latitudes of Mars. Journal of Geophysical Research, 1979, 84, 8239-8251.	3.3	73