

I J Daubar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2293881/publications.pdf>

Version: 2024-02-01

65
papers

3,185
citations

172457

29
h-index

149698

56
g-index

69
all docs

69
docs citations

69
times ranked

2230
citing authors

#	ARTICLE	IF	CITATIONS
1	Distribution of Mid-Latitude Ground Ice on Mars from New Impact Craters. <i>Science</i> , 2009, 325, 1674-1676.	12.6	279
2	Initial results from the InSight mission on Mars. <i>Nature Geoscience</i> , 2020, 13, 183-189.	12.9	274
3	SEIS: Insight's Seismic Experiment for Internal Structure of Mars. <i>Space Science Reviews</i> , 2019, 215, 12.	8.1	238
4	Constraints on the shallow elastic and anelastic structure of Mars from InSight seismic data. <i>Nature Geoscience</i> , 2020, 13, 213-220.	12.9	207
5	The seismicity of Mars. <i>Nature Geoscience</i> , 2020, 13, 205-212.	12.9	194
6	The atmosphere of Mars as observed by InSight. <i>Nature Geoscience</i> , 2020, 13, 190-198.	12.9	161
7	The High Resolution Imaging Science Experiment (HiRISE) during MRO's Primary Science Phase (PSP). <i>Icarus</i> , 2010, 205, 2-37.	2.5	153
8	Selection of the InSight Landing Site. <i>Space Science Reviews</i> , 2017, 211, 5-95.	8.1	150
9	Geology of the InSight landing site on Mars. <i>Nature Communications</i> , 2020, 11, 1014.	12.8	107
10	The Structure of Jupiter's Ring System as Revealed by the Galileo Imaging Experiment. <i>Icarus</i> , 1999, 138, 188-213.	2.5	104
11	HiRISE observations of new impact craters exposing Martian ground ice. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 109-127.	3.6	98
12	Atmospheric Science with InSight. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	88
13	Geology and Physical Properties Investigations by the InSight Lander. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	77
14	The morphology of small fresh craters on Mars and the Moon. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 2620-2639.	3.6	66
15	A Pre-Landing Assessment of Regolith Properties at the InSight Landing Site. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	58
16	Martian cratering 11. Utilizing decameter scale crater populations to study Martian history. <i>Meteoritics and Planetary Science</i> , 2017, 52, 493-510.	1.6	55
17	Seasonally active frost-dust avalanches on a north polar scarp of Mars captured by HiRISE. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	48
18	Impact-Seismic Investigations of the InSight Mission. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	48

#	ARTICLE	IF	CITATIONS
19	A revised surface age for the North Polar Layered Deposits of Mars. <i>Geophysical Research Letters</i> , 2016, 43, 3060-3068.	4.0	42
20	Measuring impact crater depth throughout the solar system. <i>Meteoritics and Planetary Science</i> , 2018, 53, 583-637.	1.6	41
21	The Marsquake Service: Securing Daily Analysis of SEIS Data and Building the Martian Seismicity Catalogue for InSight. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	41
22	Phoenix and MRO coordinated atmospheric measurements. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	40
23	Preparing for InSight: An Invitation to Participate in a Blind Test for Martian Seismicity. <i>Seismological Research Letters</i> , 2017, 88, 1290-1302.	1.9	37
24	Location and Setting of the Mars InSight Lander, Instruments, and Landing Site. <i>Earth and Space Science</i> , 2020, 7, e2020EA001248.	2.6	34
25	Assessment of InSight Landing Site Predictions. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006502.	3.6	32
26	Northwest Africa 482: A crystalline impact melt breccia from the lunar highlands. <i>Meteoritics and Planetary Science</i> , 2002, 37, 1797-1813.	1.6	30
27	Monitoring of Dust Devil Tracks Around the InSight Landing Site, Mars, and Comparison With In Situ Atmospheric Data. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087234.	4.0	30
28	Observations of MeV electrons in Jupiter's innermost radiation belts and polar regions by the Juno radiation monitoring investigation: Perijoves 1 and 3. <i>Geophysical Research Letters</i> , 2017, 44, 4481-4488.	4.0	29
29	The Juno Radiation Monitoring (RM) Investigation. <i>Space Science Reviews</i> , 2017, 213, 507-545.	8.1	29
30	Widespread Exposures of Extensive Clean Shallow Ice in the Midlatitudes of Mars. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006617.	3.6	29
31	Composition of Amazonian volcanic materials in Tharsis and Elysium, Mars, from MRO/CRISM reflectance spectra. <i>Icarus</i> , 2019, 328, 274-286.	2.5	27
32	Impact airblast triggers dust avalanches on Mars. <i>Icarus</i> , 2012, 217, 194-201.	2.5	25
33	A New Crater Near InSight: Implications for Seismic Impact Detectability on Mars. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006382.	3.6	24
34	Vortex-Dominated Aeolian Activity at InSight's Landing Site, Part 1: Multi-Instrument Observations, Analysis, and Implications. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006757.	3.6	23
35	Soil Thermophysical Properties Near the InSight Lander Derived From 50 Sols of Radiometer Measurements. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006859.	3.6	22
36	Bolide Airbursts as a Seismic Source for the 2018 Mars InSight Mission. <i>Space Science Reviews</i> , 2017, 211, 525-545.	8.1	20

#	ARTICLE	IF	CITATIONS
37	Episodes of fluvial and volcanic activity in Mangala Valles, Mars. <i>Icarus</i> , 2015, 245, 333-347.	2.5	18
38	Active Mars: A Dynamic World. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006876.	3.6	17
39	In Situ and Orbital Stratigraphic Characterization of the InSight Landing Site—A Type Example of a Regolith-Covered Lava Plain on Mars. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	3.6	17
40	The Seismic Moment and Seismic Efficiency of Small Impacts on Mars. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006540.	3.6	16
41	Recently Formed Crater Clusters on Mars. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 958-969.	3.6	15
42	The Approaching Death of the OH/IR star IRAS 18455+0448. <i>Astrophysical Journal</i> , 2001, 548, L77-L80.	4.5	15
43	New Craters on Mars: An Updated Catalog. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	3.6	14
44	Seasonal seismic activity on Mars. <i>Earth and Planetary Science Letters</i> , 2021, 576, 117171.	4.4	13
45	Enabling Onboard Detection of Events of Scientific Interest for the Europa Clipper Spacecraft. , 2019, , .		11
46	Seismic constraints from a Mars impact experiment using InSight and Perseverance. <i>Nature Astronomy</i> , 2022, 6, 59-64.	10.1	9
47	Ground penetrating radar geologic field studies of the ejecta of Barringer Meteorite Crater, Arizona, as a planetary analog. <i>Journal of Geophysical Research E: Planets</i> , 2013, 118, 1915-1933.	3.6	8
48	Martian cratering 12. Utilizing primary crater clusters to study crater populations and meteoroid properties. <i>Meteoritics and Planetary Science</i> , 2018, 53, 672-686.	1.6	8
49	Numerical Simulations of the Apollo 16 Artificial Impacts on the Moon. <i>Earth and Space Science</i> , 2021, 8, e2021EA001887.	2.6	7
50	Dark halos produced by current impact cratering on Mars. <i>Icarus</i> , 2019, 328, 45-57.	2.5	6
51	The Seismic Signatures of Recently Formed Impact Craters on Mars. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 3063-3081.	3.6	6
52	Seismic Efficiency for Simple Crater Formation in the Martian Top Crust Analog. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006662.	3.6	6
53	Meteoroid Fragmentation in the Martian Atmosphere and the Formation of Crater Clusters. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	3.6	6
54	Inversion of Meteor Rayleigh Waves on Earth and Modeling of Air Coupled Rayleigh Waves on Mars. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	5

#	ARTICLE	IF	CITATIONS
55	Preparing for InSight: Evaluation of the Blind Test for Martian Seismicity. Seismological Research Letters, 0, , .	1.9	5
56	Challenges in crater chronology on Mars as reflected in Jezero crater. , 2021, , 97-122.		5
57	Listening for the Landing: Seismic Detections of Perseverance's Arrival at Mars With InSight. Earth and Space Science, 2021, 8, e2020EA001585.	2.6	5
58	SURFACE ALTERATION FROM LANDING INSIGHT ON MARS AND ITS IMPLICATIONS FOR SHALLOW REGOLITH STRUCTURE. , 2019, , .		5
59	Using machine learning to reduce observational biases when detecting new impacts on Mars. Icarus, 2022, 386, 115146.	2.5	3
60	Terrestrial single-station analog for constraining the martian core and deep interior: Implications for InSight. Icarus, 2020, 335, 113396.	2.5	2
61	Questions to Heaven. Astronomy and Geophysics, 2021, 62, 6.22-6.25.	0.2	2
62	Crater Cluster (Atmospheric Breakup). , 2014, , 1-5.		0
63	Secondary Crater Cluster. , 2014, , 1-3.		0
64	Secondary Crater Cluster. , 2015, , 1889-1890.		0
65	Crater Cluster (Atmospheric Breakup). , 2015, , 413-416.		0