Joanna Gurgurewicz

List of Publications by Year
in descending order

14 papers	198 citations	1307594 7 h-index	1125743 13 g-index

18 all docs	18 docs citations	18 times ranked	342 citing authors

#	Article	IF	Citations
1	Probing the Atmospheric Cl Isotopic Ratio on Mars: Implications for Planetary Evolution and Atmospheric Chemistry. Geophysical Research Letters, 2021, 48, e2021GL092650.	4.0	7
2	Energy Dissipation during Surface Interaction of an Underactuated Robot for Planetary Exploration. Energies, 2021, 14, 4282.	3.1	0
3	Water in the history of Mars: An assessment. Planetary and Space Science, 2019, 166, 70-89.	1.7	11
4	Deep-seated gravitational slope deformation scaling on Mars and Earth: same fate for different initial conditions and structural evolutions. Earth Surface Dynamics, 2019, 7, 361-376.	2.4	8
5	Nanotopographic characterization of microfractures in rocks by Atomic Force Microscopy. Journal of Structural Geology, 2019, 124, 70-80.	2.3	3
6	Empirical investigation of friction weakening of terrestrial and Martian landslides using discrete element models. Landslides, 2019, 16, 1121-1140.	5.4	21
7	Global permittivity mapping of the Martian surface from SHARAD. Earth and Planetary Science Letters, 2017, 462, 55-65.	4.4	18
8	Geomorphology of Ius Chasma, Valles Marineris, Mars. Journal of Maps, 2017, 13, 260-269.	2.0	17
9	The Ophir Chasma Dyke Swarm: Description and Implications for the Genesis of the Valles Marineris Northern Troughs. Acta Geologica Sinica, 2016, 90, 180-182.	1.4	2
10	On Mars, Location and Orientation of Dykes Exposed along the Valles Marineris Walls Reveal Expected and Unexpected Stress Fields. Acta Geologica Sinica, 2016, 90, 177-179.	1.4	7
11	Evaluation of the EGNOS service for topographic profiling in field geosciences. Geomorphology, 2016, 268, 253-265.	2.6	1
12	The Highland Terrain Hopper (HOPTER): Concept and use cases of a new locomotion system for the exploration of low gravity Solar System bodies. Acta Astronautica, 2016, 121, 200-220.	3.2	16
13	Inferring alteration conditions on Mars: Insights from near-infrared spectra of terrestrial basalts altered in cold and hot arid environments. Planetary and Space Science, 2015, 119, 137-154.	1.7	5
14	Extensive surface pedogenic alteration of the Martian Noachian crust suggested by plateau phyllosilicates around Valles Marineris. Journal of Geophysical Research, 2012, 117, .	3.3	79