Asmin Pathare

List of Publications by Year
in descending order

19 papers	536 citations	687363 13 h-index	794594 19 g-index
20 all docs	20 docs citations	20 times ranked	632 citing authors

#	Article	IF	Citations
1	The production of small primary craters on Mars and the Moon. Icarus, 2014, 235, 23-36.	2.5	61
2	Viscous relaxation of craters within the martian south polar layered deposits. Icarus, 2005, 174, 396-418.	2.5	52
3	Mars Odyssey neutron data: 2. Search for buried excess water ice deposits at nonpolar latitudes on Mars. Journal of Geophysical Research, 2011, 116, .	3.3	51
4	Field measurements of horizontal forward motion velocities of terrestrial dust devils: Towards a proxy for ambient winds on Mars and Earth. Icarus, 2012, 221, 632-645.	2.5	51
5	The effects of martian orbital variations upon the sublimation and relaxation of north polar troughs and scarps. Icarus, 2005, 174, 419-443.	2.5	47
6	Dating very young planetary surfaces from crater statistics: A review of issues and challenges. Meteoritics and Planetary Science, 2018, 53, 554-582.	1.6	45
7	The performance of gallium arsenide/germanium solar cells at the Martian surface. Acta Astronautica, 2004, 54, 83-101.	3.2	34
8	Assessing the power law hypothesis for the sizeâ€“frequency distribution of terrestrial and martian dust devils. Icarus, 2010, 209, 851-853.	2.5	33
9	Widespread Exposures of Extensive Clean Shallow Ice in the Midlatitudes of Mars. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006617.	3.6	29
10	Evidence for ice flow prior to trough formation in the martian north polar layered deposits. Icarus, 2008, 195, 90-105.	2.5	27
11	Driven by excess? Climatic implications of new global mapping of near-surface water-equivalent hydrogen on Mars. Icarus, 2018, 301, 97-116.	2.5	27
12	Mobility of icy sand packs, with application to Martian permafrost. Geophysical Research Letters, 2009, 36, .	4.0	26
13	Inhibition of Grain Boundary Sliding in Fineâ€Grained Ice by Intergranular Particles: Implications for Planetary Ice Masses. Geophysical Research Letters, 2018, 45, 12,757.	4.0	15
14	Modification of secondary craters on the Martian South Polar Layered Deposits. Journal of Geophysical Research, 2005, 110, .	3.3	8
15	Long-lived volcanism within Argyre basin, Mars. Icarus, 2017, 293, 8-26.	2.5	8
16	Response timescales for martian ice masses and implications for ice flow on Mars. Icarus, 2013, 225, 949-959.	2.5	7
17	Weakening of ice by magnesium perchlorate hydrate. Icarus, 2013, 225, 940-948.	2.5	6
18	The Effects of Terrain Properties Upon the Small Crater Population Distribution at Giordano Bruno: Implications for Lunar Chronology. Journal of Geophysical Research E: Planets, 2022, 127, .	3.6	5

#	Article	IF	Citations
19	Contextualizing lobate debris aprons and glacier-like forms on Mars with debris-covered glaciers on Earth. Progress in Physical Geography, 2021, 45, 130-186.	3.2	4