

# Asmin Pathare

## List of Publications by Year in descending order

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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 Effects of Terrain Properties Upon the Small Crater Population Distribution at Giordano Bruno: Implications for Lunar Chronology. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	3.6	5
2	Contextualizing lobate debris aprons and glacier-like forms on Mars with debris-covered glaciers on Earth. <i>Progress in Physical Geography</i> , 2021, 45, 130-186.	3.2	4
3	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
4	Driven by excess? Climatic implications of new global mapping of near-surface water-equivalent hydrogen on Mars. <i>Icarus</i> , 2018, 301, 97-116.	2.5	27
5	Dating very young planetary surfaces from crater statistics: A review of issues and challenges. <i>Meteoritics and Planetary Science</i> , 2018, 53, 554-582.	1.6	45
6	Inhibition of Grain Boundary Sliding in Fine-Grained Ice by Intergranular Particles: Implications for Planetary Ice Masses. <i>Geophysical Research Letters</i> , 2018, 45, 12,757.	4.0	15
7	Long-lived volcanism within Argyre basin, Mars. <i>Icarus</i> , 2017, 293, 8-26.	2.5	8
8	The production of small primary craters on Mars and the Moon. <i>Icarus</i> , 2014, 235, 23-36.	2.5	61
9	Response timescales for martian ice masses and implications for ice flow on Mars. <i>Icarus</i> , 2013, 225, 949-959.	2.5	7
10	Weakening of ice by magnesium perchlorate hydrate. <i>Icarus</i> , 2013, 225, 940-948.	2.5	6
11	Field measurements of horizontal forward motion velocities of terrestrial dust devils: Towards a proxy for ambient winds on Mars and Earth. <i>Icarus</i> , 2012, 221, 632-645.	2.5	51
12	Mars Odyssey neutron data: 2. Search for buried excess water ice deposits at nonpolar latitudes on Mars. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	51
13	Assessing the power law hypothesis for the size-frequency distribution of terrestrial and martian dust devils. <i>Icarus</i> , 2010, 209, 851-853.	2.5	33
14	Mobility of icy sand packs, with application to Martian permafrost. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	26
15	Evidence for ice flow prior to trough formation in the martian north polar layered deposits. <i>Icarus</i> , 2008, 195, 90-105.	2.5	27
16	The effects of martian orbital variations upon the sublimation and relaxation of north polar troughs and scarps. <i>Icarus</i> , 2005, 174, 419-443.	2.5	47
17	Viscous relaxation of craters within the martian south polar layered deposits. <i>Icarus</i> , 2005, 174, 396-418.	2.5	52
18	Modification of secondary craters on the Martian South Polar Layered Deposits. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	8

#	ARTICLE	IF	CITATIONS
19	The performance of gallium arsenide/germanium solar cells at the Martian surface. Acta Astronautica, 2004, 54, 83-101.	3.2	34