

Patricio Becerra

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

383
citations

759233

12
h-index

794594

19
g-index

32
all docs

32
docs citations

32
times ranked

473
citing authors

#	ARTICLE	IF	CITATIONS
1	Mars and the ESA Science Programme - the case for Mars polar science. <i>Experimental Astronomy</i> , 2022, 54, 677-693.	3.7	1
2	Orbital Forcing of Martian Climate Revealed in a South Polar Outlier Ice Deposit. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	6
3	The case for a multi-channel polarization sensitive LIDAR for investigation of insolation-driven ices and atmospheres. , 2021, 53, .		1
4	The Importance of the Climate Record in the Martian Polar Layered Deposits. , 2021, 53, .		1
5	Solar-System-Wide Significance of Mars Polar Science. , 2021, 53, .		2
6	A Comparative View of Glacial and Periglacial Landforms on Earth and Mars. , 2021, 53, .		1
7	Mid-Latitude Ice on Mars: A Science Target for Planetary Climate Histories and an Exploration Target for In Situ Resources. , 2021, 53, .		2
8	Active Mars: A Dynamic World. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006876.	3.6	17
9	Past, Present, and Future of Mars Polar Science: Outcomes and Outlook from the 7th International Conference on Mars Polar Science and Exploration. <i>Planetary Science Journal</i> , 2021, 2, 209.	3.6	6
10	CaSSIS color and multi-angular observations of Martian slope streaks. <i>Planetary and Space Science</i> , 2021, 209, 105373.	1.7	6
11	Mars polar science at the end of the world. <i>Nature Astronomy</i> , 2020, 4, 566-568.	10.1	3
12	Implications for the origin and evolution of Martian Recurring Slope Lineae at Hale crater from CaSSIS observations. <i>Planetary and Space Science</i> , 2020, 187, 104947.	1.7	28
13	The Holy Grail: A road map for unlocking the climate record stored within Mars's polar layered deposits. <i>Planetary and Space Science</i> , 2020, 184, 104841.	1.7	30
14	Islands of ice on Mars and Pluto. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 2522-2542.	3.6	7
15	A laboratory-based dielectric model for the radar sounding of the martian subsurface. <i>Icarus</i> , 2019, 321, 960-973.	2.5	11
16	Timescales of the Climate Record in the South Polar Ice Cap of Mars. <i>Geophysical Research Letters</i> , 2019, 46, 7268-7277.	4.0	26
17	Image Simulation and Assessment of the Colour and Spatial Capabilities of the Colour and Stereo Surface Imaging System (CaSSIS) on the ExoMars Trace Gas Orbiter. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	24
18	6th international conference on Mars polar science and exploration: Conference summary and five top questions. <i>Icarus</i> , 2018, 308, 2-14.	2.5	17

#	ARTICLE	IF	CITATIONS
19	Dielectric Spectroscopy Measurements of Saline Aqueous Solutions in the VHF-UHF Bands: Toward a Dielectric Model of Icy Satellite Water Reservoirs. , 2018, , .		0
20	Signals of astronomical climate forcing in the exposure topography of the North Polar Layered Deposits of Mars. Geophysical Research Letters, 2017, 44, 62-70.	4.0	36
21	The oxidation state of nanophase Fe particles in lunar soil: Implications for space weathering. Meteoritics and Planetary Science, 2016, 51, 1082-1095.	1.6	49
22	Stratigraphy of the north polar layered deposits of Mars from high-resolution topography. Journal of Geophysical Research E: Planets, 2016, 121, 1445-1471.	3.6	28
23	Martian north polar cap summer water cycle. Icarus, 2016, 277, 401-415.	2.5	29
24	Transient bright "halos" on the South Polar Residual Cap of Mars: Implications for mass-balance. Icarus, 2015, 251, 211-225.	2.5	26
25	Gutta. , 2015, , 908-910.		0
26	Gutta. , 2014, , 1-4.		0
27	The brightening of Saturn's F ring. Icarus, 2012, 219, 181-193.	2.5	23