

Jeffrey J Plaut

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

2,138
citations

535685

17
h-index

759306

22
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23
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23
docs citations

23
times ranked

1754
citing authors

#	ARTICLE	IF	CITATIONS
1	New Insights Into Subsurface Stratigraphy Northwest of Ascraeus Mons, Mars, Using the SHARAD and MARSIS Radar Sounders. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	1.5	8
2	Characteristics of the Basal Interface of the Martian South Polar Layered Deposits. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093631.	1.5	17
3	The Ice Content of the Dorsa Argentea Formation From Radar Sounder Data. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090705.	1.5	8
4	Energetic Particle Showers Over Mars from Comet C/2013 A1 Siding Spring. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 8778-8796.	0.8	11
5	Radar autofocus algorithm incorporating terrain knowledge for correction of Mars' ionospheric distortion in MARSIS observations. , 2017, , .		5
6	Radar sounder evidence of thick, porous sediments in Meridiani Planum and implications for ice-filled deposits on Mars. <i>Geophysical Research Letters</i> , 2017, 44, 9208-9215.	1.5	12
7	Interplanetary coronal mass ejection observed at STEREO-A, Mars, comet 67P/Churyumov-Gerasimenko, Saturn, and New Horizons en route to Pluto: Comparison of its Forbush decreases at 1.4, 3.1, and 9.9 AU. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 7865-7890.	0.8	87
8	An ionized layer in the upper atmosphere of Mars caused by dust impacts from comet Siding Spring. <i>Geophysical Research Letters</i> , 2015, 42, 4745-4751.	1.5	23
9	Effects of the passage of Comet C/2013 A1 (Siding Spring) observed by the Shallow Radar (SHARAD) on Mars Reconnaissance Orbiter. <i>Geophysical Research Letters</i> , 2015, 42, 4663-4669.	1.5	19
10	Evidence for the episodic erosion of the Medusae Fossae Formation preserved within the youngest volcanic province on Mars. <i>Geophysical Research Letters</i> , 2015, 42, 7336-7342.	1.5	34
11	Widespread excess ice in Arcadia Planitia, Mars. <i>Geophysical Research Letters</i> , 2015, 42, 6566-6574.	1.5	126
12	Effects of a strong ICME on the Martian ionosphere as detected by Mars Express and Mars Odyssey. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 5891-5908.	0.8	41
13	Roughness and near-surface density of Mars from SHARAD radar echoes. <i>Journal of Geophysical Research E: Planets</i> , 2013, 118, 436-450.	1.5	49
14	Massive CO ₂ Ice Deposits Sequestered in the South Polar Layered Deposits of Mars. <i>Science</i> , 2011, 332, 838-841.	6.0	231
15	Internal structure of Planum Boreum, from Mars advanced radar for subsurface and ionospheric sounding data. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	38
16	Shallow radar (SHARAD) sounding observations of the Medusae Fossae Formation, Mars. <i>Icarus</i> , 2009, 199, 295-302.	1.1	102
17	Subsurface structure of Planum Boreum from Mars Reconnaissance Orbiter Shallow Radar soundings. <i>Icarus</i> , 2009, 204, 443-457.	1.1	153
18	SHARAD radar sounding of the Vastitas Borealis Formation in Amazonis Planitia. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	63

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19	Mars North Polar Deposits: Stratigraphy, Age, and Geodynamical Response. <i>Science</i> , 2008, 320, 1182-1185.	6.0	271
20	Radar Sounding of the Medusae Fossae Formation Mars: Equatorial Ice or Dry, Low-Density Deposits?. <i>Science</i> , 2007, 318, 1125-1128.	6.0	143
21	SHARAD sounding radar on the Mars Reconnaissance Orbiter. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	273
22	Density of Mars' South Polar Layered Deposits. <i>Science</i> , 2007, 317, 1718-1719.	6.0	94
23	Subsurface Radar Sounding of the South Polar Layered Deposits of Mars. <i>Science</i> , 2007, 316, 92-95.	6.0	330