FrÃ©dÃ©ric Schmidt

List of Publications by Year
in descending order

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Version: 2024-02-01

17	433	1163117 8	888059 17
papers	citations	h-index	g-index

18	18	18	629
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Circumpolar ocean stability on Mars 3 Gy ago. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	17
2	Calibration of NOMAD on ExoMars Trace Gas Orbiter: Part 3 - LNO validation and instrument stability. Planetary and Space Science, 2022, 218, 105399.	1.7	4
3	Martian CO₂ Ice Observation at High Spectral Resolution With ExoMars/TGO NOMAD. Journal of Geophysical Research E: Planets, 2022, 127, .	3.6	5
4	Machine learning for automatic identification of new minor species. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 259, 107361.	2.3	2
5	Probing the Atmospheric Cl Isotopic Ratio on Mars: Implications for Planetary Evolution and Atmospheric Chemistry. Geophysical Research Letters, 2021, 48, e2021GL092650.	4.0	7
6	Annual Appearance of Hydrogen Chloride on Mars and a Striking Similarity With the Water Vapor Vertical Distribution Observed by TGO/NOMAD. Geophysical Research Letters, 2021, 48, e2021GL092506.	4.0	15
7	Regional study of Ganymedeâ€™s photometry. Icarus, 2021, 369, 114631.	2.5	4
8	Phosphine in Venusâ€™ atmosphere: Detection attempts and upper limits above the cloud top assessed from the SOIR/VEx spectra. Astronomy and Astrophysics, 2021, 645, L4.	5.1	28
9	Calibration of NOMAD on ESA's ExoMars Trace Gas Orbiter: Part 2 â€“ The Limb, Nadir and Occultation (LNO) channel. Planetary and Space Science, 2021, , 105410.	1.7	3
10	Image processing for precise geometry determination. Planetary and Space Science, 2020, 193, 105081.	1.7	4
11	Efficiency of BRDF sampling and bias on the average photometric behavior. Icarus, 2019, 317, 10-26.	2.5	6
12	Martian dust storm impact on atmospheric H2O and D/H observed by ExoMars Trace Gas Orbiter. Nature, 2019, 568, 521-525.	27.8	107
13	Martian surface microtexture from orbital CRISM multi-angular observations: A new perspective for the characterization of the geological processes. Planetary and Space Science, 2016, 128, 30-51.	1.7	20
14	Realistic uncertainties on Hapke model parameters from photometric measurement. Icarus, 2015, 260, 73-93.	2.5	37
15	Radiative transfer model for contaminated rough slabs. Applied Optics, 2015, 54, 9228.	2.1	10
16	Surface reflectance of Mars observed by CRISM/MRO: 2. Estimation of surface photometric properties in Gusev Crater and Meridiani Planum. Journal of Geophysical Research E: Planets, 2013, 118, 534-559.	3.6	43
17	On the decomposition of Mars hyperspectral data by ICA and Bayesian positive source separation. Neurocomputing, 2008, 71, 2194-2208.	5.9	121