

Frédéric Schmidt

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

433
citations

1163117

8
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

629
citing authors

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