

Maite Fernández-Sampedro

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

299
citations

1040056

9
h-index

888059

17
g-index

23
all docs

23
docs citations

23
times ranked

584
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of the possible presence of clathrate hydrates in Europa's icy shell or seafloor. <i>Icarus</i> , 2005, 177, 491-505.	2.5	63
2	Unprecedented rains decimate surface microbial communities in the hyperarid core of the Atacama Desert. <i>Scientific Reports</i> , 2018, 8, 16706.	3.3	54
3	Aeolian transport of viable microbial life across the Atacama Desert, Chile: Implications for Mars. <i>Scientific Reports</i> , 2019, 9, 11024.	3.3	36
4	R�o Tinto sedimentary mineral assemblages: A terrestrial perspective that suggests some formation pathways of phyllosilicates on Mars. <i>Icarus</i> , 2011, 211, 114-138.	2.5	26
5	Inhabited subsurface wet smectites in the hyperarid core of the Atacama Desert as an analog for the search for life on Mars. <i>Scientific Reports</i> , 2020, 10, 19183.	3.3	21
6	Oxalate formation under the hyperarid conditions of the Atacama desert as a mineral marker to provide clues to the source of organic carbon on Mars. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1593-1604.	3.0	16
7	Constraining the preservation of organic compounds in Mars analog nontronites after exposure to acid and alkaline fluids. <i>Scientific Reports</i> , 2020, 10, 15097.	3.3	15
8	Fingerprinting molecular and isotopic biosignatures on different hydrothermal scenarios of Iceland, an acidic and sulfur-rich Mars analog. <i>Scientific Reports</i> , 2020, 10, 21196.	3.3	15
9	Radiometric and angular calibration tests for the MEDA-TIRS radiometer onboard NASA�s Mars 2020 mission. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 164, 107968.	5.0	15
10	FTIR reflectance of selected minerals and their mixtures: implications for ground temperature-sensor monitoring on Mars surface environment (NASA/MSL-Rover Environmental Monitoring Station). <i>Journal of Environmental Monitoring</i> , 2009, 11, 1428.	2.1	8
11	Habitability: Where to look for life? Halophilic habitats: Earth analogs to study Mars habitability. <i>Planetary and Space Science</i> , 2012, 68, 48-55.	1.7	8
12	Detection of Potential Lipid Biomarkers in Oxidative Environments by Raman Spectroscopy and Implications for the ExoMars 2020-Raman Laser Spectrometer Instrument Performance. <i>Astrobiology</i> , 2020, 20, 405-414.	3.0	5
13	Characterization of NH ₄ -montmorillonite under conditions relevant to Ceres. <i>Applied Clay Science</i> , 2021, 209, 106137.	5.2	4
14	Raman spectroscopic peculiarities of Icelandic poorly crystalline minerals and their implications for Mars exploration. <i>Scientific Reports</i> , 2022, 12, 5640.	3.3	4
15	Monitoring the fall of large atmospheric ice conglomerations: a multianalytical approach to the study of the Mejorada del Campo megacryometeor. <i>Journal of Environmental Monitoring</i> , 2008, 10, 570.	2.1	2
16	The Thermal Infrared Sensor (TIRS) of the Mars Environmental Dynamics Analyzer (MEDA) instrument onboard Mars 2020. , 2017, , .		2
17	Dehydration rate of the glycine�MgSO ₄ �5H ₂ O complex and the stability of glycine expelled from the complex by in situ Raman spectroscopy under Mars�relevant conditions. <i>Journal of Raman Spectroscopy</i> , 2022, 53, 724-734.	2.5	2
18	Performance analysis of the MEDA's Thermal InfraRed Sensor (TIRS) on board the Mars 2020. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
19	High Pressure Serpentinization Catalysed by Awaruite in Planetary Bodies. Journal of Physics: Conference Series, 2017, 950, 042041.	0.4	1
20	Astrobiological Field Campaign to a Volcanosedimentary Mars Analogue Methane Producing Subsurface Protected Ecosystem: Imuruk Lake (Alaska). Advances in Astronomy, 2011, 2011, 1-8.	1.1	0