Maite FernÃ¡ndez-Sampedro

List of Publications by Year
in descending order

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	Dehydration rate of the glycineâ€MgSO₄Â·5H₂O complex and the stability of glycine expelled from the complex by in situ Raman spectroscopy under Marsâ€relevant conditions. Journal of Raman Spectroscopy, 2022, 53, 724-734.	2.5	2
2	Raman spectroscopic peculiarities of Icelandic poorly crystalline minerals and their implications for Mars exploration. Scientific Reports, 2022, 12, 5640.	3.3	4
3	Characterization of NH4-montmorillonite under conditions relevant to Ceres. Applied Clay Science, 2021, 209, 106137.	5.2	4
4	Constraining the preservation of organic compounds in Mars analog nontronites after exposure to acid and alkaline fluids. Scientific Reports, 2020, 10, 15097.	3.3	15
5	Fingerprinting molecular and isotopic biosignatures on different hydrothermal scenarios of Iceland, an acidic and sulfur-rich Mars analog. Scientific Reports, 2020, 10, 21196.	3.3	15
6	Inhabited subsurface wet smectites in the hyperarid core of the Atacama Desert as an analog for the search for life on Mars. Scientific Reports, 2020, 10, 19183.	3.3	21
7	Radiometric and angular calibration tests for the MEDA-TIRS radiometer onboard NASAâ€™s Mars 2020 mission. Measurement: Journal of the International Measurement Confederation, 2020, 164, 107968.	5.0	15
8	Detection of Potential Lipid Biomarkers in Oxidative Environments by Raman Spectroscopy and Implications for the ExoMars 2020-Raman Laser Spectrometer Instrument Performance. Astrobiology, 2020, 20, 405-414.	3.0	5
9	Aeolian transport of viable microbial life across the Atacama Desert, Chile: Implications for Mars. Scientific Reports, 2019, 9, 11024.	3.3	36
10	Unprecedented rains decimate surface microbial communities in the hyperarid core of the Atacama Desert. Scientific Reports, 2018, 8, 16706.	3.3	54
11	The Thermal Infrared Sensor (TIRS) of the Mars Environmental Dynamics Analyzer (MEDA) instrument onboard Mars 2020. , 2017, , .		2
12	Performance analysis of the MEDA's Thermal InfraRed Sensor (TIRS) on board the Mars 2020. , 2017, , .		1
13	High Pressure Serpentinization Catalysed by Awaruite in Planetary Bodies. Journal of Physics: Conference Series, 2017, 950, 042041.	0.4	1
14	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. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 1593-1604.	3.0	16
15	Habitability: Where to look for life? Halophilic habitats: Earth analogs to study Mars habitability. Planetary and Space Science, 2012, 68, 48-55.	1.7	8
16	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
17	RÃo Tinto sedimentary mineral assemblages: A terrestrial perspective that suggests some formation pathways of phyllosilicates on Mars. Icarus, 2011, 211, 114-138.	2.5	26
18	FTIR reflectance of selected minerals and their mixtures: implications for ground temperature-sensor monitoring on Mars surface environment (NASA/MSL-Rover Environmental Monitoring Station). Journal of Environmental Monitoring, 2009, 11, 1428.	2.1	8

#	Article	IF	Citations
19	Monitoring the fall of large atmospheric ice conglomerations: a multianalytical approach to the study of the Mejorada del Campo megacryometeor. Journal of Environmental Monitoring, 2008, 10, 570.	2.1	2
20	Evaluation of the possible presence of clathrate hydrates in Europa's icy shell or seafloor. Icarus, 2005, 177, 491-505.	2.5	63