Nicolas Bost

List of Publications by Year
in descending order

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16 papers	631 citations	1040056 9 h-index	996975 15 g-index
16 all docs	16 docs citations	16 times ranked	912 citing authors

#	Article	IF	Citations
1	Igneous rock powder identification using colour cameras: A powerful method for space exploration. Icarus, 2022, 375, 114848.	2.5	0
2	Definition and use of functional analogues in planetary exploration. Planetary and Space Science, 2021, 197, 105162.	1.7	10
3	LithoSpace: An Idea for an Automated System for in situ Petrographic Thin Section Preparation on Mars and Other Extraterrestrial Rocky Bodies. Frontiers in Astronomy and Space Sciences, 2021, 8, .	2.8	1
4	Inhibiting the sp2 carbon deposition by adjunction of sulphurous species in refractory ceramics subjected to CO and H2 reducing atmosphere. Journal of the European Ceramic Society, 2019, 39, 2960-2972.	5.7	2
5	The CaliPhoto Method. Inventions, 2019, 4, 67.	2.5	1
6	Microimaging VISâ€IR spectroscopy of ancient volcanic rocks as Mars analogues. Earth and Space Science, 2016, 3, 268-281.	2.6	3
7	Probing the structural organisation of sp 2 carbons obtained by the Boudouard reaction using in situ Raman scattering in reducing conditions. Vibrational Spectroscopy, 2016, 87, 157-163.	2.2	4
8	Raman spectra of synthetic and natural mullite. Vibrational Spectroscopy, 2016, 82, 50-52.	2.2	22
9	The catalytic effect of iron oxides on the formation of nano-carbon by the Boudouard reaction in refractories. Journal of the European Ceramic Society, 2016, 36, 2133-2142.	5.7	33
10	Testing the ability of the ExoMars 2018 payload to document geological context and potential habitability on Mars. Planetary and Space Science, 2015, 108, 87-97.	1.7	41
11	Biosignatures on Mars: What, Where, and How? Implications for the Search for Martian Life. Astrobiology, 2015, 15, 998-1029.	3.0	209
12	Analysis of the scientific capabilities of the ExoMars Raman Laser Spectrometer instrument. European Journal of Mineralogy, 2014, 25, 721-733.	1.3	73
13	Habitability on Mars from a Microbial Point of View. Astrobiology, 2013, 13, 887-897.	3.0	138
14	Effect of grain size distribution on Raman analyses and the consequences for in situ planetary missions. Journal of Raman Spectroscopy, 2013, 44, 916-925.	2.5	57
15	Missions to Mars: Characterisation of Mars analogue rocks for the International Space Analogue Rockstore (ISAR). Planetary and Space Science, 2013, 82-83, 113-127.	1.7	31
16	Synthesis of a spinifexâ€textured basalt as an analog to Gusev crater basalts, Mars. Meteoritics and Planetary Science, 2012, 47, 820-831.	1.6	6