

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