

Ryan M Danell

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

531
citations

1039880

9
h-index

940416

16
g-index

20
all docs

20
docs citations

20
times ranked

556
citing authors

#	ARTICLE	IF	CITATIONS
1	European Molecular Indicators of Life Investigation (EMILI) for a Future Europa Lander Mission. <i>Frontiers in Space Technologies</i> , 2022, 2, .	0.8	7
2	Science Autonomy and Space Science: Application to the ExoMars Mission. <i>Frontiers in Astronomy and Space Sciences</i> , 2022, 9, .	1.1	3
3	CORALS: A Laser Desorption/Ablation Orbitrap Mass Spectrometer for In Situ Exploration of Europa. , 2021, , .		10
4	Laser Desorption Mass Spectrometry at Saturn's moon Titan. <i>International Journal of Mass Spectrometry</i> , 2021, 470, 116707.	0.7	22
5	Mass spectrometry and planetary exploration: A brief review and future projection. <i>Journal of Mass Spectrometry</i> , 2020, 55, e4454.	0.7	57
6	Mass spectrometry and planetary exploration: A brief review and future projection. <i>Journal of Mass Spectrometry</i> , 2020, 55, ii.	0.7	23
7	Linear Ion Trap Mass Spectrometer (LITMS) for in situ Astrobiology. , 2019, , .		3
8	Coded Apertures in Mass Spectrometry. <i>Annual Review of Analytical Chemistry</i> , 2017, 10, 141-156.	2.8	8
9	Mars Organic Molecule Analyzer (MOMA) laser desorption/ionization source design and performance characterization. <i>International Journal of Mass Spectrometry</i> , 2017, 422, 177-187.	0.7	40
10	Unique capabilities of AC frequency scanning and its implementation on a Mars Organic Molecule Analyzer linear ion trap. <i>Analyst</i> , The, 2017, 142, 2109-2117.	1.7	5
11	The Mars Organic Molecule Analyzer (MOMA) Instrument: Characterization of Organic Material in Martian Sediments. <i>Astrobiology</i> , 2017, 17, 655-685.	1.5	185
12	Detection of Trace Organics in Mars Analog Samples Containing Perchlorate by Laser Desorption/Ionization Mass Spectrometry. <i>Astrobiology</i> , 2015, 15, 104-110.	1.5	33
13	Two-Dimensional Aperture Coding for Magnetic Sector Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 248-256.	1.2	13
14	Order of Magnitude Signal Gain in Magnetic Sector Mass Spectrometry Via Aperture Coding. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 1633-1640.	1.2	21
15	Design and demonstration of the Mars Organic Molecule Analyzer (MOMA) on the ExoMars 2018 rover. , 2015, , .		17
16	Compressive Mass Analysis on Quadrupole Ion Trap Systems. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 1295-1304.	1.2	9
17	Mars Organic Molecule Analyzer (MOMA) mass spectrometer for ExoMars 2018 and beyond. , 2013, , .		21
18	Iterative Accumulation Multiplexing Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Analytical Chemistry</i> , 2009, 81, 5623-5628.	3.2	5

#	ARTICLE	IF	CITATIONS
19	The use of static pressures of heavy gases within a quadrupole ion trap. Journal of the American Society for Mass Spectrometry, 2003, 14, 1099-1109.	1.2	42
20	A new approach for effecting surface-induced dissociation in an ion cyclotron resonance mass spectrometer: A modeling study. Journal of the American Society for Mass Spectrometry, 2000, 11, 1107-1117.	1.2	7