

Ryan M Danell

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9509454/publications.pdf>

Version: 2024-02-01

20
papers

531
citations

1040056

9
h-index

940533

16
g-index

20
all docs

20
docs citations

20
times ranked

556
citing authors

#	ARTICLE	IF	CITATIONS
1	The Mars Organic Molecule Analyzer (MOMA) Instrument: Characterization of Organic Material in Martian Sediments. <i>Astrobiology</i> , 2017, 17, 655-685.	3.0	185
2	Mass spectrometry and planetary exploration: A brief review and future projection. <i>Journal of Mass Spectrometry</i> , 2020, 55, e4454.	1.6	57
3	The use of static pressures of heavy gases within a quadrupole ion trap. <i>Journal of the American Society for Mass Spectrometry</i> , 2003, 14, 1099-1109.	2.8	42
4	Mars Organic Molecule Analyzer (MOMA) laser desorption/ionization source design and performance characterization. <i>International Journal of Mass Spectrometry</i> , 2017, 422, 177-187.	1.5	40
5	Detection of Trace Organics in Mars Analog Samples Containing Perchlorate by Laser Desorption/Ionization Mass Spectrometry. <i>Astrobiology</i> , 2015, 15, 104-110.	3.0	33
6	Mass spectrometry and planetary exploration: A brief review and future projection. <i>Journal of Mass Spectrometry</i> , 2020, 55, ii.	1.6	23
7	Laser Desorption Mass Spectrometry at Saturn's moon Titan. <i>International Journal of Mass Spectrometry</i> , 2021, 470, 116707.	1.5	22
8	Mars Organic Molecule Analyzer (MOMA) mass spectrometer for ExoMars 2018 and beyond. , 2013, , .		21
9	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.	2.8	21
10	Design and demonstration of the Mars Organic Molecule Analyzer (MOMA) on the ExoMars 2018 rover. , 2015, , .		17
11	Two-Dimensional Aperture Coding for Magnetic Sector Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 248-256.	2.8	13
12	CORALS: A Laser Desorption/Ablation Orbitrap Mass Spectrometer for In Situ Exploration of Europa. , 2021, , .		10
13	Compressive Mass Analysis on Quadrupole Ion Trap Systems. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 1295-1304.	2.8	9
14	Coded Apertures in Mass Spectrometry. <i>Annual Review of Analytical Chemistry</i> , 2017, 10, 141-156.	5.4	8
15	A new approach for effecting surface-induced dissociation in an ion cyclotron resonance mass spectrometer: A modeling study. <i>Journal of the American Society for Mass Spectrometry</i> , 2000, 11, 1107-1117.	2.8	7
16	European Molecular Indicators of Life Investigation (EMILI) for a Future Europa Lander Mission. <i>Frontiers in Space Technologies</i> , 2022, 2, .	1.4	7
17	Iterative Accumulation Multiplexing Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Analytical Chemistry</i> , 2009, 81, 5623-5628.	6.5	5
18	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.	3.5	5

#	ARTICLE	IF	CITATIONS
19	Linear Ion Trap Mass Spectrometer (LITMS) for in situ Astrobiology. , 2019, , .		3
20	Science Autonomy and Space Science: Application to the ExoMars Mission. Frontiers in Astronomy and Space Sciences, 2022, 9, .	2.8	3