

Curtis D Mowry

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

324
citations

1163117

8
h-index

996975

15
g-index

19
all docs

19
docs citations

19
times ranked

268
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous detection of ions and neutrals produced by matrix-assisted laser desorption. <i>Rapid Communications in Mass Spectrometry</i> , 1993, 7, 569-575.	1.5	79
2	Direct Mass Spectrometric Analysis of in Situ Thermally Hydrolyzed and Methylated Lipids from Whole Bacterial Cells. <i>Analytical Chemistry</i> , 1998, 70, 1555-1562.	6.5	77
3	Internal Energy of Neutral Molecules Ejected by Matrix-Assisted Laser Desorption. <i>The Journal of Physical Chemistry</i> , 1994, 98, 1904-1909.	2.9	72
4	Resolution enhancement in linear time-of-flight mass spectrometry by post-source pulse focusing. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1991, 104, 35-44.	1.8	19
5	Evaluation of a micro-fabricated pyrolyzer for the detection of <i>Bacillus anthracis</i> spores. <i>Journal of Analytical and Applied Pyrolysis</i> , 2004, 72, 55-61.	5.5	12
6	Development and Durability Testing of a Low-Temperature Sintering Bi-Si-Zn Oxide Glass Composite Material (GCM) Waste Form. <i>Journal of the American Ceramic Society</i> , 2015, 98, 3094-3104.	3.8	10
7	Invited Article: A materials investigation of a phase-change micro-valve for greenhouse gas collection and other potential applications. <i>Review of Scientific Instruments</i> , 2012, 83, 031301.	1.3	9
8	Diagnostic potential of the pulsed discharged helium ionization detector (PDHID) for pathogenic Mycobacterial volatile biomarkers. <i>Journal of Breath Research</i> , 2013, 7, 037107.	3.0	9
9	Development of a Mesoscale Pulsed Discharge Helium Ionization Detector for Portable Gas Chromatography. <i>Analytical Sciences</i> , 2015, 31, 1183-1188.	1.6	7
10	Detecting Trihalomethanes Using Nanoporous-Carbon Coated Surface-Acoustic-Wave Sensors. <i>Journal of the Electrochemical Society</i> , 2015, 162, B114-B120.	2.9	6
11	Monitoring of Co ₂ reactions using high-temperature XRD coupled with gas chromatography (GC). <i>Powder Diffraction</i> , 2016, 31, 90-96.	0.2	6
12	Pulsed Discharge Helium Ionization Detector for Highly Sensitive Aquametry. <i>Analytical Sciences</i> , 2016, 32, 177-181.	1.6	6
13	Laser-Induced Breakdown Spectroscopy for Qualitative Analysis of Metals in Simulated Martian Soils. <i>Journal of Chemical Education</i> , 2017, 94, 1507-1511.	2.3	5
14	Lessons Learned—Fluoride Exposure and Response. <i>Journal of Chemical Health and Safety</i> , 2021, 28, 129-133.	2.1	5
15	Materials assurance through orthogonal materials measurements: X-ray fluorescence aspects. <i>Powder Diffraction</i> , 2017, 32, 124-132.	0.2	1
16	Field Testing and New Applications of Gas Phase Miniature Chemical Analysis Systems (µChemlab, etc.). , 2002, , 521-523.		1
17	Bench-Scale Pyrolysis of Wood Pellets. , 2011, , .		0