

Liulin Deng

List of Publications by Year in descending order

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24
papers

1,103
citations

567281

15
h-index

610901

24
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all docs

24
docs citations

24
times ranked

882
citing authors

#	ARTICLE	IF	CITATIONS
1	Integration of a high duty cycle SLIM mobility filter with a triple quadrupole mass spectrometer for targeted quantitative analysis. <i>International Journal of Mass Spectrometry</i> , 2022, 475, 116832.	1.5	6
2	Resolving Power and Collision Cross Section Measurement Accuracy of a Prototype High-Resolution Ion Mobility Platform Incorporating Structures for Lossless Ion Manipulation. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 1126-1137.	2.8	43
3	Masked Multiplexed Separations to Enhance Duty Cycle for Structures for Lossless Ion Manipulations. <i>Analytical Chemistry</i> , 2021, 93, 5727-5734.	6.5	10
4	Utility of multi-functional two channel off-axis ion funnel (TCOAF) in FTICR-MS. <i>International Journal of Mass Spectrometry</i> , 2018, 430, 126-133.	1.5	3
5	New frontiers for mass spectrometry based upon structures for lossless ion manipulations. <i>Analyst</i> , 2017, 142, 1010-1021.	3.5	95
6	Compression Ratio Ion Mobility Programming (CRIMP) Accumulation and Compression of Billions of Ions for Ion Mobility-Mass Spectrometry Using Traveling Waves in Structures for Lossless Ion Manipulations (SLIM). <i>Analytical Chemistry</i> , 2017, 89, 6432-6439.	6.5	42
7	Serpentine Ultralong Path with Extended Routing (SUPER) High Resolution Traveling Wave Ion Mobility-MS using Structures for Lossless Ion Manipulations. <i>Analytical Chemistry</i> , 2017, 89, 4628-4634.	6.5	162
8	Lipid and Glycolipid Isomer Analyses Using Ultra-High Resolution Ion Mobility Spectrometry Separations. <i>International Journal of Molecular Sciences</i> , 2017, 18, 183.	4.1	86
9	Dissociation of trivalent metal ion (Al^{3+} , Ga^{3+}), Tj ETQq1 1 0.784314 rgBT / Over capture dissociation conditions. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 705-710.	1.5	9
10	Squeezing of Ion Populations and Peaks in Traveling Wave Ion Mobility Separations and Structures for Lossless Ion Manipulations Using Compression Ratio Ion Mobility Programming. <i>Analytical Chemistry</i> , 2016, 88, 11877-11885.	6.5	37
11	Ion Mobility Separations of Isomers based upon Long Path Length Structures for Lossless Ion Manipulations Combined with Mass Spectrometry. <i>ChemistrySelect</i> , 2016, 1, 2396-2399.	1.5	92
12	C18-attached membrane funnel-based spray ionization mass spectrometry for quantification of anti-diabetic drug from human plasma. <i>Analytica Chimica Acta</i> , 2016, 933, 97-102.	5.4	3
13	Achieving High Resolution Ion Mobility Separations Using Traveling Waves in Compact Multiturn Structures for Lossless Ion Manipulations. <i>Analytical Chemistry</i> , 2016, 88, 8949-8956.	6.5	52
14	Ultra-High Resolution Ion Mobility Separations Utilizing Traveling Waves in a 13 m Serpentine Path Length Structures for Lossless Ion Manipulations Module. <i>Analytical Chemistry</i> , 2016, 88, 8957-8964.	6.5	136
15	Greatly Increasing Trapped Ion Populations for Mobility Separations Using Traveling Waves in Structures for Lossless Ion Manipulations. <i>Analytical Chemistry</i> , 2016, 88, 10143-10150.	6.5	25
16	Mobility-Selected Ion Trapping and Enrichment Using Structures for Lossless Ion Manipulations. <i>Analytical Chemistry</i> , 2016, 88, 1728-1733.	6.5	41
17	Suppression of peptide ion dissociation under electron capture: role of backbone amide hydrogen. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 1757-1764.	1.5	2
18	Sensitivity and Robustness Enhancements by Using a V-Shape Ion Funnel in FTICR-MS. <i>Analytical Chemistry</i> , 2015, 87, 8073-8077.	6.5	8

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19	A cadmium(II)-based metal-organic framework material for the dispersive solid-phase extraction of polybrominated diphenyl ethers in environmental water samples. <i>Journal of Chromatography A</i> , 2015, 1422, 334-339.	3.7	33
20	Characterization of Traveling Wave Ion Mobility Separations in Structures for Lossless Ion Manipulations. <i>Analytical Chemistry</i> , 2015, 87, 11301-11308.	6.5	67
21	Detailed product analysis during the low temperature oxidation of n-butane. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 296-308.	2.8	108
22	VUV photon-induced ionization/dissociation of antipyrine and propyphenazone: mass spectrometric and theoretical insights. <i>Journal of Mass Spectrometry</i> , 2010, 45, 734-739.	1.6	9
23	Photoionisation and photodissociation studies of nonvolatile organic molecules by synchrotron VUV photoionisation mass spectrometry and theoretical calculations. <i>International Reviews in Physical Chemistry</i> , 2010, 29, 369-401.	2.3	20
24	Vacuum Ultraviolet Photofragmentation of Sarcosine: Photoionization Mass Spectrometric and Theoretical Insights. <i>Journal of Physical Chemistry A</i> , 2010, 114, 3411-3417.	2.5	14