

Tsung-Chi Chen

List of Publications by Year in descending order

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16
papers

890
citations

759233

12
h-index

940533

16
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16
all docs

16
docs citations

16
times ranked

753
citing authors

#	ARTICLE	IF	CITATIONS
1	Mini 12, Miniature Mass Spectrometer for Clinical and Other Applications—Introduction and Characterization. <i>Analytical Chemistry</i> , 2014, 86, 2909-2916.	6.5	258
2	Autonomous in Situ Analysis and Real-Time Chemical Detection Using a Backpack Miniature Mass Spectrometer: Concept, Instrumentation Development, and Performance. <i>Analytical Chemistry</i> , 2014, 86, 2900-2908.	6.5	145
3	Experimental Evaluation and Optimization of Structures for Lossless Ion Manipulations for Ion Mobility Spectrometry with Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 9169-9176.	6.5	91
4	Characterization of Traveling Wave Ion Mobility Separations in Structures for Lossless Ion Manipulations. <i>Analytical Chemistry</i> , 2015, 87, 11301-11308.	6.5	67
5	Design of Portable Mass Spectrometers with Handheld Probes: Aspects of the Sampling and Miniature Pumping Systems. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 240-247.	2.8	60
6	Ion Trapping, Storage, and Ejection in Structures for Lossless Ion Manipulations. <i>Analytical Chemistry</i> , 2015, 87, 6010-6016.	6.5	48
7	Mobility-Resolved Ion Selection in Uniform Drift Field Ion Mobility Spectrometry/Mass Spectrometry: Dynamic Switching in Structures for Lossless Ion Manipulations. <i>Analytical Chemistry</i> , 2014, 86, 9632-9637.	6.5	45
8	Mobility-Selected Ion Trapping and Enrichment Using Structures for Lossless Ion Manipulations. <i>Analytical Chemistry</i> , 2016, 88, 1728-1733.	6.5	41
9	Ion manipulations in structures for lossless ion manipulations (SLIM): computational evaluation of a 90° turn and a switch. <i>Analyst</i> , 2015, 140, 6845-6852.	3.5	40
10	Synchronized Discharge Ionization for Analysis of Volatile Organic Compounds Using a Hand-Held Ion Trap Mass Spectrometer. <i>Analytical Chemistry</i> , 2013, 85, 1767-1772.	6.5	29
11	Rectangular Ion Funnel: A New Ion Funnel Interface for Structures for Lossless Ion Manipulations. <i>Analytical Chemistry</i> , 2015, 87, 716-722.	6.5	22
12	Spatial Ion Peak Compression and its Utility in Ion Mobility Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 1128-1135.	2.8	13
13	Dual buffer gases for ion manipulation in a miniature ion trap mass spectrometer with a discontinuous atmospheric pressure interface. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 3274-3280.	1.5	12
14	Study of the efficiency for ion transfer through bent capillaries. <i>Journal of Mass Spectrometry</i> , 2012, 47, 1466-1472.	1.6	9
15	Characterization of a DAPI-RIT-DAPI System for Gas-Phase Ion/Molecule and Ion/Ion Reactions. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 48-56.	2.8	5
16	Implementation of Dipolar Resonant Excitation for Collision Induced Dissociation with Ion Mobility/Time-of-Flight MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 563-571.	2.8	5