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List of Publications by Year in descending order

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44
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1,314
citations

304701
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docs citations

48
times ranked

1599
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#	ARTICLE	IF	CITATIONS
1	Gas-Phase Ion-Ion Reactions for Lipid Identification in Biological Tissue Sections. <i>Methods in Molecular Biology</i> , 2022, 2437, 3-19.	0.9	2
2	Perspective on Emerging Mass Spectrometry Technologies for Comprehensive Lipid Structural Elucidation. <i>Analytical Chemistry</i> , 2021, 93, 6311-6322.	6.5	30
3	Uncovering matrix effects on lipid analyses in MALDI imaging mass spectrometry experiments. <i>Journal of Mass Spectrometry</i> , 2020, 55, e4491.	1.6	48
4	Bioanalytical method development and validation of corynantheidine, a kratom alkaloid, using UPLC-MS/MS, and its application to preclinical pharmacokinetic studies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 180, 113019.	2.8	14
5	Accumulation of long-chain fatty acids in the tumor microenvironment drives dysfunction in intrapancreatic CD8+ T cells. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	142
6	Dynamic Range Expansion by Gas-Phase Ion Fractionation and Enrichment for Imaging Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 13092-13100.	6.5	17
7	Identification of Phosphatidylcholine Isomers in Imaging Mass Spectrometry Using Gas-Phase Charge Inversion Ion/Ion Reactions. <i>Analytical Chemistry</i> , 2020, 92, 13192-13201.	6.5	27
8	Structural elucidation of phosphatidylcholines from tissue using electron induced dissociation. <i>International Journal of Mass Spectrometry</i> , 2020, 452, 116338.	1.5	32
9	Multiple TOF/TOF events in a single laser shot for multiplexed lipid identifications in MALDI imaging mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2019, 437, 30-37.	1.5	12
10	Imaging mass spectrometry enables molecular profiling of mouse and human pancreatic tissue. <i>Diabetologia</i> , 2019, 62, 1036-1047.	6.3	33
11	Enhanced Ion Transmission Efficiency up to $\times 24,000$ for MALDI Protein Imaging Mass Spectrometry. <i>Analytical Chemistry</i> , 2018, 90, 5090-5099.	6.5	41
12	Protein identification in imaging mass spectrometry through spatially targeted liquid micro-extractions. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 442-450.	1.5	27
13	Integrated molecular imaging reveals tissue heterogeneity driving host-pathogen interactions. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	58
14	Integrated, High-Throughput, Multiomics Platform Enables Data-Driven Construction of Cellular Responses and Reveals Global Drug Mechanisms of Action. <i>Journal of Proteome Research</i> , 2017, 16, 1364-1375.	3.7	34
15	Enhanced Spatially Resolved Proteomics Using On-Tissue Hydrogel-Mediated Protein Digestion. <i>Analytical Chemistry</i> , 2017, 89, 2948-2955.	6.5	27
16	Laser-Induced Acoustic Desorption/Electron Ionization of Amino Acids and Small Peptides. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 1091-1098.	2.8	7
17	Label-free molecular imaging of the kidney. <i>Kidney International</i> , 2017, 92, 580-598.	5.2	24
18	The Use of Multiple Fragmentation Events in a Single Laser Shot for Improved Drug Quantification by MALDI TOF/TOF Mass Spectrometry. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2017, , 269-276.	0.5	0

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19	Absolute Quantification of Rifampicin by MALDI Imaging Mass Spectrometry Using Multiple TOF/TOF Events in a Single Laser Shot. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 136-144.	2.8	56
20	Selective Covalent Chemistry via Gas-Phase Ion/ion Reactions: An Exploration of the Energy Surfaces Associated with N-Hydroxysuccinimide Ester Reagents and Primary Amines and Guanidine Groups. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 1089-1098.	2.8	20
21	Multiple Time-of-Flight/Time-of-Flight Events in a Single Laser Shot for Improved Matrix-Assisted Laser Desorption/Ionization Tandem Mass Spectrometry Quantification. <i>Analytical Chemistry</i> , 2016, 88, 9780-9788.	6.5	12
22	Standard Reticle Slide To Objectively Evaluate Spatial Resolution and Instrument Performance in Imaging Mass Spectrometry. <i>Analytical Chemistry</i> , 2016, 88, 7302-7311.	6.5	10
23	The innate immune protein calprotectin promotes <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> interaction. <i>Nature Communications</i> , 2016, 7, 11951.	12.8	114
24	The Need for Speed in Matrix-Assisted Laser Desorption/Ionization Imaging Mass Spectrometry. <i>Postdoc Journal</i> , 2016, 4, 3-13.	0.4	17
25	Strategies for generating peptide radical cations via ion/ion reactions. <i>Journal of Mass Spectrometry</i> , 2015, 50, 418-426.	1.6	9
26	Synthesis and Electronic Structure of $\text{Ru}^{2+}(\text{X}^{\text{ap}})^{4+}(\text{Y}^{\text{gem}}\text{-DEE})$ Type Compounds: Effect of Cross-Conjugation . <i>Inorganic Chemistry</i> , 2015, 54, 7645-7652.	4.0	25
27	Selective Removal of Alkali Metal Cations from Multiply-Charged Ions via Gas-Phase Ion/ion Reactions Using Weakly Coordinating Anions. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 404-414.	2.8	12
28	A method for isolating ions in quadrupole ion traps using an excitation waveform generated by frequency modulation and mixing. <i>International Journal of Mass Spectrometry</i> , 2015, 377, 329-337.	1.5	6
29	Ion/ion Reactions with $\text{Onium}^{\text{Reagents}}$: An Approach for the Gas-phase Transfer of Organic Cations to Multiply-Charged Anions. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 818-825.	2.8	13
30	High-speed MALDI MS/MS imaging mass spectrometry using continuous raster sampling. <i>Journal of Mass Spectrometry</i> , 2015, 50, 703-710.	1.6	85
31	Reagent Cluster Anions for Multiple Gas-Phase Covalent Modifications of Peptide and Protein Cations. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 1045-1052.	2.8	9
32	Strategies for the gas phase modification of cationized arginine via ion/ion reactions. <i>International Journal of Mass Spectrometry</i> , 2013, 354-355, 211-218.	1.5	10
33	Gas-Phase Reactivity of Carboxylic Acid Functional Groups with Carbodiimides. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 30-37.	2.8	22
34	Gas-phase ion/ion reactions of peptides and proteins: acid/base, redox, and covalent chemistries. <i>Chemical Communications</i> , 2013, 49, 947-965.	4.1	50
35	New Diruthenium Bis-alkynyl Compounds as Potential Ditopic Linkers. <i>Organometallics</i> , 2013, 32, 6461-6467.	2.3	5
36	Photoactive Chromium(III)-Cyclam Complexes with Axially Bound $\text{geminal-Diethynylethenes}$. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 5616-5620.	2.0	34

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37	Analysis of High Mass-to-Charge Ions in a Quadrupole Ion Trap Mass Spectrometer via an End-Cap Quadrupolar Direct Current Downscan. <i>Analytical Chemistry</i> , 2012, 84, 7562-7569.	6.5	8
38	Diruthenium(III,III) Bis(alkynyl) Compounds with Donor/Acceptor-Substituted geminal-Diethynylethene Ligands. <i>Inorganic Chemistry</i> , 2012, 51, 3261-3269.	4.0	26
39	Dipolar DC Collisional Activation in a "Stretched" 3-D Ion Trap: The Effect of Higher Order Fields on rf-Heating. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 736-744.	2.8	30
40	DC potentials applied to an end-cap electrode of a 3D ion trap for enhanced MSn functionality. <i>International Journal of Mass Spectrometry</i> , 2011, 306, 114-122.	1.5	22
41	Adaptation of a 3-D Quadrupole Ion Trap for Dipolar DC Collisional Activation. <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 1486-1492.	2.8	31
42	Electrospray droplet exposure to gaseous acids for reduction of metal counter-ions in nucleic acid ions. <i>International Journal of Mass Spectrometry</i> , 2011, 300, 158-166.	1.5	21
43	Electrospray Droplet Exposure to Gaseous Acids for the Manipulation of Protein Charge State Distributions. <i>Analytical Chemistry</i> , 2010, 82, 7422-7429.	6.5	84
44	Investigation of the Use of <i>Cucumis sativus</i> for Remediation of Chromium from Contaminated Environmental Matrices. An Interdisciplinary Instrumental Analysis Project. <i>Journal of Chemical Education</i> , 2009, 86, 1095.	2.3	2