

Christopher B Lietz

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11899667/publications.pdf>

Version: 2024-02-01

27
papers

981
citations

394421

19
h-index

526287

27
g-index

28
all docs

28
docs citations

28
times ranked

1032
citing authors

#	ARTICLE	IF	CITATIONS
1	A Mechanism for Ionization of Nonvolatile Compounds in Mass Spectrometry: Considerations from MALDI and Inlet Ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 1644-1660.	2.8	110
2	Qualitative and quantitative mass spectrometry imaging of drugs and metabolites. <i>Advanced Drug Delivery Reviews</i> , 2013, 65, 1074-1085.	13.7	91
3	Site-Specific Characterization of <scp>d</scp>-Amino Acid Containing Peptide Epimers by Ion Mobility Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 2972-2981.	6.5	91
4	Imaging mass spectrometry in transmission geometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 815-820.	1.5	61
5	Matrix Assisted Ionization: New Aromatic and Nonaromatic Matrix Compounds Producing Multiply Charged Lipid, Peptide, and Protein Ions in the Positive and Negative Mode Observed Directly from Surfaces. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 1625-1643.	2.8	61
6	Extending the Laserspray Ionization Concept to Produce Highly Charged Ions at High Vacuum on a Time-of-Flight Mass Analyzer. <i>Analytical Chemistry</i> , 2011, 83, 5469-5475.	6.5	51
7	Mass Defect-Based <i>N</i>,<i>N</i>-Dimethyl Leucine Labels for Quantitative Proteomics and Amine Metabolomics of Pancreatic Cancer Cells. <i>Analytical Chemistry</i> , 2017, 89, 1138-1146.	6.5	49
8	Peroxydisulfate Rapidly Inactivates the Disease-Associated Prion Protein. <i>Environmental Science & Technology</i> , 2016, 50, 7095-7105.	10.0	45
9	Large-Scale Collision Cross-Section Profiling on a Traveling Wave Ion Mobility Mass Spectrometer. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 2009-2019.	2.8	42
10	Improved isobaric tandem mass tag quantification by ion mobility mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1051-1060.	1.5	37
11	Localization and imaging of gangliosides in mouse brain tissue sections by laserspray ionization inlet. <i>Journal of Lipid Research</i> , 2012, 53, 1390-1398.	4.2	36
12	Novel isotopic <i>N</i>,<i>N</i>-Dimethyl Leucine (iDiLeu) Reagents Enable Absolute Quantification of Peptides and Proteins Using a Standard Curve Approach. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 107-119.	2.8	35
13	A multi-scale strategy for discovery of novel endogenous neuropeptides in the crustacean nervous system. <i>Journal of Proteomics</i> , 2013, 91, 1-12.	2.4	33
14	High-definition De Novo Sequencing of Crustacean Hyperglycemic Hormone (CHH)-family Neuropeptides. <i>Molecular and Cellular Proteomics</i> , 2012, 11, 1951-1964.	3.8	31
15	New ionization processes and applications for use in mass spectrometry. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2013, 48, 409-429.	5.2	31
16	In Situ Characterization of Proteins Using Laserspray Ionization on a High-Performance MALDI-LTQ-Orbitrap Mass Spectrometer. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 2177-2180.	2.8	31
17	Inlet ionization: protein analyses from the solid state without the use of a voltage or a laser producing up to 67 charges on the 66 kDa BSA protein. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 3453-3456.	1.5	29
18	Matrix-assisted ionization vacuum for protein detection, fragmentation and PTM analysis on a high resolution linear ion trap-orbitrap platform. <i>Analytica Chimica Acta</i> , 2016, 916, 52-59.	5.4	22

#	ARTICLE	IF	CITATIONS
19	Producing Highly Charged Ions without Solvent Using Laserspray Ionization: A Total Solvent-Free Analysis Approach at Atmospheric Pressure. <i>Analytical Chemistry</i> , 2011, 83, 4076-4084.	6.5	21
20	Evaluation and Application of Dimethylated Amino Acids as Isobaric Tags for Quantitative Proteomics of the TGF- β 2/Smad3 Signaling Pathway. <i>Journal of Proteome Research</i> , 2016, 15, 3420-3431.	3.7	18
21	Gas-Phase Ion Isomer Analysis Reveals the Mechanism of Peptide Sequence Scrambling. <i>Analytical Chemistry</i> , 2014, 86, 2917-2924.	6.5	17
22	Coupling matrix-assisted ionization with high resolution mass spectrometry and electron transfer dissociation to characterize intact proteins and post-translational modifications. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 1007-1017.	3.7	12
23	An overview of biological applications and fundamentals of new <i>inlet</i> and <i>vacuum</i> ionization technologies. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e8829.	1.5	9
24	Multiple gas-phase conformations of proline-containing peptides: is it always cis/trans isomerization?. <i>Analyst</i> , 2016, 141, 4863-4869.	3.5	6
25	Resolving Isomers of Star-Branched Poly(Ethylene Glycols) by IMS-MS Using Multiply Charged Ions. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 21-32.	2.8	6
26	Comparison of gaseous ubiquitin ion structures obtained from a solid and solution matrix using ion mobility spectrometry/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e8793.	1.5	3
27	Site-specific Localization of D-Amino Acids in Bioactive Peptides by Ion Mobility Spectrometry. <i>NeuroMethods</i> , 2016, , 43-53.	0.3	2