

Ellen D Inutan

List of Publications by Year in descending order

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41
papers

1,618
citations

257450

24
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289244

40
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42
all docs

42
docs citations

42
times ranked

620
citing authors

#	ARTICLE	IF	CITATIONS
1	Laserspray Ionization, a New Atmospheric Pressure MALDI Method for Producing Highly Charged Gas-phase Ions of Peptides and Proteins Directly from Solid Solutions. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 362-367.	3.8	127
2	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
3	New Paradigm in Ionization: Multiply Charged Ion Formation from a Solid Matrix without a Laser or Voltage. <i>Analytical Chemistry</i> , 2010, 82, 9164-9168.	6.5	94
4	Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Method for Selectively Producing Either Singly or Multiply Charged Molecular Ions. <i>Analytical Chemistry</i> , 2010, 82, 11-15.	6.5	92
5	Matrix Assisted Ionization in Vacuum, a Sensitive and Widely Applicable Ionization Method for Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 722-732.	2.8	87
6	Matrix Assisted Ionization Vacuum (MAIV), a New Ionization Method for Biological Materials Analysis Using Mass Spectrometry. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 792-796.	3.8	77
7	Automated Solvent-Free Matrix Deposition for Tissue Imaging by Mass Spectrometry. <i>Analytical Chemistry</i> , 2010, 82, 359-367.	6.5	62
8	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
9	Laserspray Ionization, a New Method for Protein Analysis Directly from Tissue at Atmospheric Pressure with Ultrahigh Mass Resolution and Electron Transfer Dissociation. <i>Molecular and Cellular Proteomics</i> , 2011, 10, S1-S8.	3.8	59
10	Field-free transmission geometry atmospheric pressure matrix-assisted laser desorption/ionization for rapid analysis of unadulterated tissue samples. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 3023-3027.	1.5	56
11	Inlet Ionization: A New Highly Sensitive Approach for Liquid Chromatography/Mass Spectrometry of Small and Large Molecules. <i>Analytical Chemistry</i> , 2011, 83, 7591-7594.	6.5	55
12	Laserspray ionization (LSI) ion mobility spectrometry (IMS) mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 1260-1264.	2.8	52
13	Commercial Intermediate Pressure MALDI Ion Mobility Spectrometry Mass Spectrometer Capable of Producing Highly Charged Laserspray Ionization Ions. <i>Analytical Chemistry</i> , 2011, 83, 678-684.	6.5	52
14	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
15	Laserspray Ionization-Ion Mobility Spectrometry~Mass Spectrometry: Baseline Separation of Isomeric Amyloids without the Use of Solvents Desorbed and Ionized Directly from a Surface. <i>Journal of Proteome Research</i> , 2010, 9, 6077-6081.	3.7	49
16	New Ionization Method for Analysis on Atmospheric Pressure Ionization Mass Spectrometers Requiring Only Vacuum and Matrix Assistance. <i>Analytical Chemistry</i> , 2013, 85, 2005-2009.	6.5	49
17	Magic matrices for ionization in mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2015, 377, 532-545.	1.5	43
18	A New Matrix Assisted Ionization Method for the Analysis of Volatile and Nonvolatile Compounds by Atmospheric Probe Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 1102-1107.	2.8	41

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19	Laserspray Ionization Imaging of Multiply Charged Ions Using a Commercial Vacuum MALDI Ion Source. <i>Analytical Chemistry</i> , 2012, 84, 9079-9084.	6.5	40
20	The potential for clinical applications using a new ionization method combined with ion mobility spectrometry-mass spectrometry. <i>International Journal for Ion Mobility Spectrometry</i> , 2013, 16, 145-159.	1.4	33
21	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
22	High-Throughput Characterization of Small and Large Molecules Using Only a Matrix and the Vacuum of a Mass Spectrometer. <i>Analytical Chemistry</i> , 2015, 87, 4667-4674.	6.5	31
23	A New Approach to High Sensitivity Liquid Chromatography-Mass Spectrometry of Peptides using Nanoflow Solvent Assisted Inlet Ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 442-445.	2.8	29
24	Laserspray and Matrix-Assisted Ionization Inlet Coupled to High-Field FT-ICR Mass Spectrometry for Peptide and Protein Analysis. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 320-328.	2.8	28
25	Spontaneous Charge Separation and Sublimation Processes are Ubiquitous in Nature and in Ionization Processes in Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 304-315.	2.8	26
26	Simplifying the ion source for mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 2568-2572.	1.5	22
27	Rapid high mass resolution mass spectrometry using matrix-assisted ionization. <i>Methods</i> , 2016, 104, 63-68.	3.8	21
28	A broad-based study on hyphenating new ionization technologies with MS/MS for PTMs and tissue characterization. <i>Proteomics</i> , 2016, 16, 1695-1706.	2.2	19
29	Fundamental Studies of New Ionization Technologies and Insights from IMS-MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 1133-1147.	2.8	17
30	Unprecedented Ionization Processes in Mass Spectrometry Provide Missing Link between ESI and MALDI. <i>ChemPhysChem</i> , 2018, 19, 581-589.	2.1	16
31	Development of an easily adaptable, high sensitivity source for inlet ionization. <i>Analytical Methods</i> , 2017, 9, 4971-4978.	2.7	14
32	Toward understanding the ionization mechanism of matrix-assisted ionization using mass spectrometry experiment and theory. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e8382.	1.5	13
33	Toward high spatial resolution sampling and characterization of biological tissue surfaces using mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 4053-4061.	3.7	12
34	Expression and <i>In Vivo</i> Characterization of the Antimicrobial Peptide Oncocin and Variants Binding to Ribosomes. <i>Biochemistry</i> , 2020, 59, 3380-3391.	2.5	12
35	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
36	Development of a robotics platform for automated multi-ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e8449.	1.5	9

#	ARTICLE	IF	CITATIONS
37	Sublimation Driven Ionization for Use in Mass Spectrometry: Mechanistic Implications. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 114-123.	2.8	9
38	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
39	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
40	New mass spectrometry concepts for characterization of synthetic polymers and additives. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8768.	1.5	1
41	Unprecedented Ionization Processes in Mass Spectrometry Provide Missing Link between ESI and MALDI. <i>ChemPhysChem</i> , 2018, 19, 550-550.	2.1	0