

Bindesh Shrestha

List of Publications by Year in descending order

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42
papers

2,380
citations

331670

21
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395702

33
g-index

44
all docs

44
docs citations

44
times ranked

2497
citing authors

#	ARTICLE	IF	CITATIONS
1	Feature-based molecular networking in the GNPS analysis environment. <i>Nature Methods</i> , 2020, 17, 905-908.	19.0	650
2	In Situ Metabolic Profiling of Single Cells by Laser Ablation Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2009, 81, 8265-8271.	6.5	259
3	Atmospheric Pressure Molecular Imaging by Infrared MALDI Mass Spectrometry. <i>Analytical Chemistry</i> , 2007, 79, 523-532.	6.5	185
4	Atmospheric Pressure Infrared MALDI Imaging Mass Spectrometry for Plant Metabolomics. <i>Analytical Chemistry</i> , 2008, 80, 407-420.	6.5	163
5	In Situ Cell-by-Cell Imaging and Analysis of Small Cell Populations by Mass Spectrometry. <i>Analytical Chemistry</i> , 2011, 83, 2947-2955.	6.5	143
6	Human T-lymphotropic Virus Type 1-infected Cells Secrete Exosomes That Contain Tax Protein. <i>Journal of Biological Chemistry</i> , 2014, 289, 22284-22305.	3.4	134
7	Observation of Subcellular Metabolite Gradients in Single Cells by Laser Ablation Electrospray Ionization Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10386-10389.	13.8	102
8	Direct analysis of lipids and small metabolites in mouse brain tissue by AP IR-MALDI and reactive LAESI mass spectrometry. <i>Analyst</i> , The, 2010, 135, 751.	3.5	90
9	In Situ metabolic analysis of single plant cells by capillary microsampling and electrospray ionization mass spectrometry with ion mobility separation. <i>Analyst</i> , The, 2014, 139, 5079-5085.	3.5	82
10	Infrared Laser Ablation Atmospheric Pressure Photoionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 1630-1636.	6.5	69
11	High-Throughput Cell and Tissue Analysis with Enhanced Molecular Coverage by Laser Ablation Electrospray Ionization Mass Spectrometry Using Ion Mobility Separation. <i>Analytical Chemistry</i> , 2014, 86, 4308-4315.	6.5	55
12	Molecular imaging by Mid-IR laser ablation mass spectrometry. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 93, 885-891.	2.3	47
13	Direct Analysis of Phycobilisomal Antenna Proteins and Metabolites in Small Cyanobacterial Populations by Laser Ablation Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 34-38.	6.5	38
14	Ablation and analysis of small cell populations and single cells by consecutive laser pulses. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 101, 121-126.	2.3	36
15	Subcellular Metabolite and Lipid Analysis of <i>Xenopus laevis</i> Eggs by LAESI Mass Spectrometry. <i>PLoS ONE</i> , 2014, 9, e115173.	2.5	33
16	Direct Detection of Diverse Metabolic Changes in Virally Transformed and Tax-Expressing Cells by Mass Spectrometry. <i>PLoS ONE</i> , 2010, 5, e12590.	2.5	30
17	In Situ Analysis of Small Populations of Adherent Mammalian Cells Using Laser Ablation Electrospray Ionization Mass Spectrometry in Transmission Geometry. <i>Analytical Chemistry</i> , 2015, 87, 12130-12136.	6.5	29
18	Simultaneous Detection of Nonpolar and Polar Compounds by Heat-Assisted Laser Ablation Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2013, 85, 177-184.	6.5	27

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19	Comparative local analysis of metabolites, lipids and proteins in intact fish tissues by LAESI mass spectrometry. <i>Analyst, The</i> , 2013, 138, 3444.	3.5	26
20	Laser ablation atmospheric pressure photoionization mass spectrometry imaging of phytochemicals from sage leaves. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 2490-2496.	1.5	26
21	Rapid analysis of pharmaceuticals and excreted xenobiotic and endogenous metabolites with atmospheric pressure infrared MALDI mass spectrometry. <i>Metabolomics</i> , 2008, 4, 297-311.	3.0	22
22	Rapid, non-targeted discovery of biochemical transformation and biomarker candidates in oncovirus-infected cell lines using LAESI mass spectrometry. <i>Chemical Communications</i> , 2012, 48, 3700-3702.	4.1	18
23	Automated Cell-by-Cell Tissue Imaging and Single-Cell Analysis for Targeted Morphologies by Laser Ablation Electrospray Ionization Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2015, 1203, 117-127.	0.9	17
24	Minimally invasive monitoring of cellulose degradation by desorption electrospray ionization and laser ablation electrospray ionization mass spectrometry. <i>Analyst, The</i> , 2010, 135, 2434.	3.5	16
25	Single-Cell Metabolomics by Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2020, 2064, 1-8.	0.9	16
26	Metabolic transformation of microalgae due to light acclimation and genetic modifications followed by laser ablation electrospray ionization mass spectrometry with ion mobility separation. <i>Analyst, The</i> , 2014, 139, 5945-5953.	3.5	13
27	Turnover rates in microorganisms by laser ablation electrospray ionization mass spectrometry and pulse-chase analysis. <i>Analytica Chimica Acta</i> , 2016, 902, 1-7.	5.4	13
28	Direct Analysis of Single Cells by Mass Spectrometry at Atmospheric Pressure. <i>Journal of Visualized Experiments</i> , 2010, , .	0.3	10
29	Ion-Mobility Mass Spectrometry for Lipidomics Applications. <i>NeuroMethods</i> , 2017, , 61-79.	0.3	5
30	Relative Quantitation in Single-Cell Metabolomics by Laser Ablation Electrospray Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2014, 1083, 31-39.	0.9	5
31	Microprobe MS Imaging of Live Tissues, Cells, and Bacterial Colonies Using LAESI. , 2016, , 149-167.		4
32	Metabolomic approaches to study the tumor microenvironment. <i>Methods in Enzymology</i> , 2020, 636, 93-108.	1.0	3
33	Direct Metabolomics from Tissues and Cells: Laser Ablation Electrospray Ionization for Small Molecule and Lipid Characterization. , 0, , 140-158.		1
34	RA¼ctitelbild: Observation of Subcellular Metabolite Gradients in Single Cells by Laser Ablation Electrospray Ionization Mass Spectrometry (<i>Angew. Chem.</i> 41/2012). <i>Angewandte Chemie</i> , 2012, 124, 10566-10566.	2.0	0
35	Multimodal imaging mass spectrometry. , 2021, , 147-164.		0
36	Molecule identification approaches in imaging mass spectrometry. , 2021, , 77-90.		0

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37	Ionization sources for imaging mass spectrometry. , 2021, , 11-22.		0
38	Spatial resolution of imaging mass spectrometry. , 2021, , 109-118.		0
39	Imaging mass spectrometry: small drugs and metabolites in tissue. , 2021, , 233-244.		0
40	Imaging mass spectrometry: endogenous mammalian metabolites. , 2021, , 191-202.		0
41	Imaging mass spectrometry: neurotransmitter distribution using reactive matrix and chemical derivatization. , 2021, , 221-232.		0
42	Sample preparation for imaging mass spectrometry. , 2021, , 23-48.		0