

Bin Li

List of Publications by Year in Descending Order

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Version: 2024-04-29

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46
papers

1,752
citations

24
h-index

41
g-index

51
ext. papers

2,225
ext. citations

6.9
avg, IF

4.91
L-index

#	Paper	IF	Citations
46	Unraveling metabolic alterations in transgenic mouse model of Alzheimer's disease using MALDI MS imaging with 4-aminocinnoline-3-carboxamide matrix.. <i>Analytica Chimica Acta</i> , 2022 , 1192, 339337	6.6	2
45	Gold-TiO ₂ @gallic acid nanospheres for enhanced surface-assisted laser desorption/ionization mass spectrometry imaging. <i>Applied Materials Today</i> , 2022 , 26, 101336	6.6	1
44	Mass spectrometry imaging and its potential in food microbiology.. <i>International Journal of Food Microbiology</i> , 2022 , 371, 109675	5.8	0
43	Characterizing the spatial distribution of dipeptides in rodent tissue using MALDI MS imaging with on-tissue derivatization. <i>Chemical Communications</i> , 2021 , 57, 12460-12463	5.8	0
42	Unveiling spatial metabolome of <i>Paeonia suffruticosa</i> and <i>Paeonia lactiflora</i> roots using MALDI MS imaging. <i>New Phytologist</i> , 2021 , 231, 892-902	9.8	5
41	Development of MALDI MS peptide array for thrombin inhibitor screening. <i>Talanta</i> , 2021 , 226, 122129	6.2	1
40	Hydralazine as a Versatile and Universal Matrix for High-Molecular Coverage and Dual-Polarity Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2021 , 93, 9083-9093	7.8	6
39	Development of an Integrated Tissue Pretreatment Protocol for Enhanced MALDI MS Imaging of Drug Distribution in the Brain. <i>Journal of the American Society for Mass Spectrometry</i> , 2020 , 31, 1066-1073	7.5	5
38	Enhancement of On-tissue Chemical Derivatization by Laser-Assisted Tissue Transfer for MALDI MS Imaging. <i>Analytical Chemistry</i> , 2020 , 92, 1431-1438	7.8	16
37	Porous TiO ₂ Film Immobilized with Gold Nanoparticles for Dual-Polarity MALDI MS Detection and Imaging. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 42567-42575	9.5	18
36	3-Aminophthalhydrazide (Luminol) As a Matrix for Dual-Polarity MALDI MS Imaging. <i>Analytical Chemistry</i> , 2019 , 91, 8221-8228	7.8	23
35	Tanshinone IIA Activates Nuclear Factor-Erythroid 2-Related Factor 2 to Restrain Pulmonary Fibrosis via Regulation of Redox Homeostasis and Glutaminolysis. <i>Antioxidants and Redox Signaling</i> , 2019 , 30, 1831-1848	8.4	21
34	Quantitative MALDI Imaging of Spatial Distributions and Dynamic Changes of Tetrandrine in Multiple Organs of Rats. <i>Theranostics</i> , 2019 , 9, 932-944	12.1	30
33	A Versatile Strategy for Characterization and Imaging of Drip Flow Microbial Biofilms. <i>Analytical Chemistry</i> , 2018 , 90, 6725-6734	7.8	9
32	Rapid and non-invasive detection and imaging of the hydrocolloid-injected prawns with low-field NMR and MRI. <i>Food Chemistry</i> , 2018 , 242, 16-21	8.5	56
31	A fast and accurate method for the identification of peroxidase inhibitors from <i>Radix Salvia Miltiorrhizae</i> by on-flow biochemical assay coupled with LC/Q-TOF-MS: comparison with ultrafiltration-based affinity selection. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 4311-4322	4.4	12
30	A strategy for absolute quantitation of isomers using high performance liquid chromatography-ion mobility mass spectrometry and material balance principle. <i>Journal of Chromatography A</i> , 2018 , 1571, 140-146	4.5	3

29	Histology-guided high-resolution AP-SMALDI mass spectrometry imaging of wheat- interaction at the root-shoot junction. <i>Plant Methods</i> , 2018 , 14, 103	5.8	8
28	Sample preparation for mass spectrometry imaging of leaf tissues: a case study on analyte delocalization. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 7449-7456	4.4	14
27	Interrogation of spatial metabolome of Ginkgo biloba with high-resolution matrix-assisted laser desorption/ionization and laser desorption/ionization mass spectrometry imaging. <i>Plant, Cell and Environment</i> , 2018 , 41, 2693-2703	8.4	23
26	Mass Spectrometry Imaging of Complex Microbial Communities. <i>Accounts of Chemical Research</i> , 2017 , 50, 96-104	24.3	83
25	Profiling of Microbial Colonies for High-Throughput Engineering of Multistep Enzymatic Reactions via Optically Guided Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. <i>Journal of the American Chemical Society</i> , 2017 , 139, 12466-12473	16.4	35
24	A one-step matrix application method for MALDI mass spectrometry imaging of bacterial colony biofilms. <i>Journal of Mass Spectrometry</i> , 2016 , 51, 1030-1035	2.2	27
23	High-resolution MALDI mass spectrometry imaging of gallotannins and monoterpene glucosides in the root of Paeonia lactiflora. <i>Scientific Reports</i> , 2016 , 6, 36074	4.9	24
22	Analytical capabilities of mass spectrometry imaging and its potential applications in food science. <i>Trends in Food Science and Technology</i> , 2016 , 47, 50-63	15.3	36
21	Sample Preparation for Mass Spectrometry Imaging of Plant Tissues: A Review. <i>Frontiers in Plant Science</i> , 2016 , 7, 60	6.2	88
20	Metal-assisted polyatomic SIMS and laser desorption/ionization for enhanced small molecule imaging of bacterial biofilms. <i>Biointerphases</i> , 2016 , 11, 02A325	1.8	14
19	Characterization of Bacillus subtilis Colony Biofilms via Mass Spectrometry and Fluorescence Imaging. <i>Journal of Proteome Research</i> , 2016 , 15, 1955-62	5.6	22
18	More than Pictures: When MS Imaging Meets Histology. <i>Trends in Plant Science</i> , 2016 , 21, 686-698	13.1	52
17	On-Tissue Derivatization via Electrospray Deposition for Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Imaging of Endogenous Fatty Acids in Rat Brain Tissues. <i>Analytical Chemistry</i> , 2016 , 88, 5988-95	7.8	65
16	Mass spectrometry imaging of plant metabolites--principles and possibilities. <i>Natural Product Reports</i> , 2014 , 31, 818-37	15.1	144
15	Natural products in Glycyrrhiza glabra (licorice) rhizome imaged at the cellular level by atmospheric pressure matrix-assisted laser desorption/ionization tandem mass spectrometry imaging. <i>Plant Journal</i> , 2014 , 80, 161-71	6.9	54
14	Design and implementation of an automated liquid-phase microextraction-chip system coupled on-line with high performance liquid chromatography. <i>Talanta</i> , 2014 , 120, 224-9	6.2	31
13	Influence of konjac glucomannan on gelling properties and water state in egg white protein gel. <i>Food Research International</i> , 2013 , 51, 437-443	7	80
12	Direct imaging of plant metabolites in leaves and petals by desorption electrospray ionization mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2013 , 348, 15-22	1.9	33

11	Easy peak tracking in CE-UV and CE-UV-ESI-MS by incorporating temperature-correlated mobility scaling. <i>Electrophoresis</i> , 2013 , 34, 1787-95	3.6	5
10	Nano-electromembrane extraction. <i>Analytica Chimica Acta</i> , 2013 , 785, 60-6	6.6	44
9	Visualizing metabolite distribution and enzymatic conversion in plant tissues by desorption electrospray ionization mass spectrometry imaging. <i>Plant Journal</i> , 2013 , 74, 1059-71	6.9	56
8	Characterization of barley leaf tissue using direct and indirect desorption electrospray ionization imaging mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2011 , 46, 1241-6	2.2	54
7	Radix Astragali (Astragalus): Latest Advancements and Trends in Chemistry, Analysis, Pharmacology and Pharmacokinetics. <i>Current Organic Chemistry</i> , 2010 , 14, 1792-1807	1.7	53
6	Deregulation of sphingolipid metabolism in Alzheimer's disease. <i>Neurobiology of Aging</i> , 2010 , 31, 398-403	3.6	342
5	Characterization of novel astragaloside malonates from Radix Astragali by HPLC with ESI quadrupole TOF MS. <i>Journal of Separation Science</i> , 2010 , 33, 570-81	3.4	46
4	Rapid and Sensitive Analysis of Tannins and Monoterpene Glycosides in Radix Paeoniae Alba Products by HPLC-MS. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2009 , 32, 2232-2245	1.3	6
3	Direct on-line analysis of neutral analytes by dual sweeping via complexation and organic solvent field enhancement in nonionic MEKC. <i>Electrophoresis</i> , 2009 , 30, 1372-9	3.6	24
2	High-speed separation and characterization of major constituents in Radix Paeoniae Rubra by fast high-performance liquid chromatography coupled with diode-array detection and time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2009 , 23, 119-30	2.2	54
1	Microsomal metabolism of calycosin, formononetin and drug-drug interactions by dynamic microdialysis sampling and HPLC-DAD-MS analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2009 , 50, 100-5	3.5	25