

Zhibin Yin

List of Publications by Year in descending order

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37
papers

581
citations

687363

13
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642732

23
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38
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38
times ranked

388
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical and Topographical Single-Cell Imaging by Near-Field Desorption Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4541-4546.	13.8	62
2	Elemental fractionation and matrix effects in laser sampling based spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 358-382.	3.0	55
3	Micro-Lensed Fiber Laser Desorption Mass Spectrometry Imaging Reveals Subcellular Distribution of Drugs within Single Cells. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17864-17871.	13.8	52
4	Perspective on Advances in Laser-Based High-Resolution Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2020, 92, 543-553.	6.5	47
5	Nanoparticle-immersed paper imprinting mass spectrometry imaging reveals uptake and translocation mechanism of pesticides in plants. <i>Nano Research</i> , 2020, 13, 611-620.	10.4	47
6	Nanoscale surface analysis that combines scanning probe microscopy and mass spectrometry: A critical review. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 75, 24-34.	11.4	25
7	Insights into the degradation and toxicity difference mechanism of neonicotinoid pesticides in honeybees by mass spectrometry imaging. <i>Science of the Total Environment</i> , 2021, 774, 145170.	8.0	24
8	Nanoscale Three-Dimensional Imaging of Drug Distributions in Single Cells via Laser Desorption Post-Ionization Mass Spectrometry. <i>Journal of the American Chemical Society</i> , 2021, 143, 21648-21656.	13.7	20
9	Subcellular chemical imaging of structurally similar acridine drugs by near-field laser desorption/laser postionization mass spectrometry. <i>Nano Research</i> , 2020, 13, 745-751.	10.4	18
10	Cleavable and tunable cysteine-specific arylation modification with aryl thioethers. <i>Chemical Science</i> , 2021, 12, 5209-5215.	7.4	18
11	Stereoselective toxicity mechanism of neonicotinoid dinotefuran in honeybees: New perspective from a spatial metabolomics study. <i>Science of the Total Environment</i> , 2022, 809, 151116.	8.0	18
12	Microtrace Analysis of Rare Earth Element Residues in Femtogram Quantities by Laser Desorption and Laser Postionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2017, 89, 7455-7461.	6.5	15
13	Environmentally-driven metabolite and lipid variations correspond to altered bioactivities of black wolfberry fruit. <i>Food Chemistry</i> , 2022, 372, 131342.	8.2	14
14	Spatiotemporal Visualization of Insecticides and Fungicides within Fruits and Vegetables Using Gold Nanoparticle-Immersed Paper Imprinting Mass Spectrometry Imaging. <i>Nanomaterials</i> , 2021, 11, 1327.	4.1	13
15	Chemical and Topographical Single-Cell Imaging by Near-Field Desorption Mass Spectrometry. <i>Angewandte Chemie</i> , 2019, 131, 4589-4594.	2.0	12
16	Confirmatory surface analysis of equivocal documents with pigment-based gel inks via laser desorption laser postionization mass spectrometry imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 1445-1452.	3.7	11
17	High-Pressure Electrospray Ionization Yields Supercharged Protein Complexes from Native Solutions While Preserving Noncovalent Interactions. <i>Analytical Chemistry</i> , 2020, 92, 12312-12321.	6.5	11
18	Plasmonic Gold Nanoshell-Assisted Laser Desorption/Ionization Mass Spectrometry for Small-Biomolecule Analysis and Tissue Imaging. <i>ACS Applied Nano Materials</i> , 2022, 5, 9633-9645.	5.0	11

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19	Direct and comprehensive analysis of dyes based on integrated molecular and structural information via laser desorption laser postionization mass spectrometry. <i>Talanta</i> , 2018, 176, 116-123.	5.5	10
20	Micro-Lensed Fiber Laser Desorption Mass Spectrometry Imaging Reveals Subcellular Distribution of Drugs within Single Cells. <i>Angewandte Chemie</i> , 2020, 132, 18020-18027.	2.0	10
21	Novel Electrophilic Warhead Targeting a Triple-Negative Breast Cancer Driver in Live Cells Revealed by Inverse Drug Discovery. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 15582-15592.	6.4	10
22	Comprehensive analysis of metalloporphyrins via high irradiance laser ionization time-of-flight mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 1714-1719.	3.0	9
23	Pulsed Microdischarge with Inductively Coupled Plasma Mass Spectrometry for Elemental Analysis on Solid Metal Samples. <i>Analytical Chemistry</i> , 2015, 87, 4871-4878.	6.5	9
24	Discrimination of isomeric monosaccharide derivatives using collision-induced fingerprinting coupled to ion mobility mass spectrometry. <i>Talanta</i> , 2021, 224, 121901.	5.5	9
25	Approaching Standardless Quantitative Elemental Analysis of Solids: Microsecond Pulsed Glow Discharge and Buffer-Gas-Assisted Laser Ionization Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 2018, 90, 13222-13228.	6.5	8
26	Single-cell imaging of AuNPs and AgNPs by near-field desorption ionization mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 927-932.	3.0	7
27	Spatially resolved metabolomics reveals variety-specific metabolic changes in banana pulp during postharvest senescence. <i>Food Chemistry: X</i> , 2022, 15, 100371.	4.3	7
28	Thermal Diffusion Desorption for the Comprehensive Analysis of Organic Compounds. <i>Analytical Chemistry</i> , 2014, 86, 6372-6378.	6.5	5
29	Depth profiling of nanometer thin layers by laser desorption and laser postionization time-of-flight mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 1878-1884.	3.0	5
30	Sample preparation optimization of insects and zebrafish for whole-body mass spectrometry imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 4777-4790.	3.7	5
31	Role of three-body recombination for charge reduction in MALDI process. <i>Analyst</i> , 2013, 138, 2964.	3.5	4
32	Improved detection sensitivity of elements in solids via laser postionization in laser desorption time-of-flight mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2018, 53, 435-443.	1.6	4
33	Probing gas-phase interactions of peptides with naked-metal ions. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 1970-1979.	3.0	3
34	Pulsed radio-frequency discharge inductively coupled plasma mass spectrometry for oxide analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2016, 122, 69-74.	2.9	1
35	Rapid structural discrimination of IgG antibodies by multicharge-state collision-induced unfolding. <i>RSC Advances</i> , 2021, 11, 36502-36510.	3.6	1
36	Single-cell mass spectrometry imaging of TiO ₂ nanoparticles with subcellular resolution. <i>Chinese Journal of Analytical Chemistry</i> , 2022, 50, 100085.	1.7	1

#	ARTICLE	IF	CITATIONS
37	Innenrücktitelbild: Chemical and Topographical Single-Cell Imaging by Near-Field Desorption Mass Spectrometry (Angew. Chem. 14/2019). Angewandte Chemie, 2019, 131, 4793-4793.	2.0	0