

Xiaozhe Zhang

List of Publications by Year in descending order

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38
papers

594
citations

623188

14
h-index

642321

23
g-index

40
all docs

40
docs citations

40
times ranked

921
citing authors

#	ARTICLE	IF	CITATIONS
1	Potential biomarkers of Parkinson's disease revealed by plasma metabolic profiling. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1081-1082, 101-108.	1.2	82
2	Direct characterization of bitter acids in a crude hop extract by liquid chromatography-atmospheric pressure chemical ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2004, 15, 180-187.	1.2	45
3	Iridoid glucosides from <i>Strychnos nux-vomica</i> . <i>Phytochemistry</i> , 2003, 64, 1341-1344.	1.4	38
4	Characterization of Phthalides in <i>Ligusticum chuanxiong</i> by Liquid Chromatographic-Atmospheric Pressure Chemical Ionization-Mass Spectrometry. <i>Journal of Chromatographic Science</i> , 2003, 41, 428-433.	0.7	37
5	High Identification Rates of Endogenous Neuropeptides from Mouse Brain. <i>Journal of Proteome Research</i> , 2012, 11, 2819-2827.	1.8	36
6	Design, Preparation, and Application of Magnetic Nanoparticles for Food Safety Analysis: A Review of Recent Advances. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 46-62.	2.4	29
7	Extensive Characterization of <i>Tupaia belangeri</i> Neuropeptidome Using an Integrated Mass Spectrometric Approach. <i>Journal of Proteome Research</i> , 2012, 11, 886-896.	1.8	27
8	Stress Impacts the Regulation Neuropeptides in the Rat Hippocampus and Prefrontal Cortex. <i>Proteomics</i> , 2018, 18, e1700408.	1.3	24
9	Peptides as Potential Biomarkers for Authentication of Mountain-Cultivated Ginseng and Cultivated Ginseng of Different Ages Using UPLC-HRMS. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 2263-2275.	2.4	23
10	Chronic Nicotine Treatment Impacts the Regulation of Opioid and Non-opioid Peptides in the Rat Dorsal Striatum. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 1553-1562.	2.5	22
11	Ultra-high performance liquid chromatography with linear ion trap-Orbitrap hybrid mass spectrometry combined with a systematic strategy based on fragment ions for the rapid separation and characterization of components in <i>Stellera chamaejasme</i> extracts. <i>Journal of Separation Science</i> , 2016, 39, 1379-1388.	1.3	20
12	Rapid and sensitive analysis of parishin and its metabolites in rat plasma using ultra high performance liquid chromatography-fluorescence detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 973, 104-109.	1.2	17
13	Extensive characterization of peptides from <i>Panax ginseng</i> C. A. Meyer using mass spectrometric approach. <i>Proteomics</i> , 2016, 16, 2788-2791.	1.3	17
14	Neuropeptide alterations in the tree shrew hypothalamus during volatile anesthesia. <i>Journal of Proteomics</i> , 2013, 80, 311-319.	1.2	16
15	Separation and identification of mouse brain tissue microproteins using top-down method with high resolution nanocapillary liquid chromatography mass spectrometry. <i>Proteomics</i> , 2017, 17, 1600419.	1.3	13
16	Discovery and validation of biomarkers for Zhongning goji berries using liquid chromatography mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1142, 122037.	1.2	12
17	Measurement of ultra-trace level of intact oxytocin in plasma using SALLE combined with nano-LC-MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 173, 62-67.	1.4	11
18	Untargeted Metabolomic Characterization of Ovarian Tumors. <i>Cancers</i> , 2020, 12, 3642.	1.7	10

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19	Isolation and characterization of two new phenolic acids from cultured cells of <i>Saussurea involucreata</i> . <i>Phytochemistry Letters</i> , 2014, 7, 133-136.	0.6	9
20	Altered neurochemical levels in the rat brain following chronic nicotine treatment. <i>Journal of Chemical Neuroanatomy</i> , 2014, 59-60, 29-35.	1.0	9
21	Polarity, selectivity and performance of hydrophilic organic/salt-containing aqueous two-phase system on counter-current chromatography for polar compounds. <i>Journal of Chromatography A</i> , 2016, 1448, 49-57.	1.8	9
22	High-Efficiency Recognition and Identification of Disulfide Bonded Peptides in Rat Neuropeptidome Using Targeted Electron Transfer Dissociation Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2015, 87, 11646-11651.	3.2	8
23	Extensive characterization and differential analysis of endogenous peptides from <i>Bombyx batryticatus</i> using mass spectrometric approach. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 163, 78-87.	1.4	8
24	$\hat{\pm}$ -Active Pyrylium Salt 2,4,5-Triphenylpyrylium for Improved Mass Spectrometry-Based Detection of Peptides. <i>Analytical Chemistry</i> , 2021, 93, 11072-11080.	3.2	8
25	Extending the scope of neuropeptidomics in the mammalian brain. <i>EuPA Open Proteomics</i> , 2014, 3, 273-279.	2.5	7
26	Various Multicharged Anions of Ginsenosides in Negative Electrospray Ionization with QTOF High-Resolution Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 403-418.	1.2	7
27	Rapid discrimination between red and white ginseng based on unique mass-spectrometric features. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 164, 202-210.	1.4	7
28	<i>In situ</i> derivatization of Au nanoclusters via aurophilic interactions of a triphenylphosphine gold(Au^{I}) salt with neurotransmitters and their rapid MALDI-TOF-MS detection in mice brain tissue extracts. <i>Journal of Materials Chemistry B</i> , 2020, 8, 38-44.	2.9	7
29	Alpha-Synuclein Dopaminylation Presented in Plasma of Both Healthy Subjects and Parkinson's Disease Patients. <i>Proteomics - Clinical Applications</i> , 2020, 14, 1900117.	0.8	6
30	A novel preparative liquid chromatograph for repetitive enrichment and purification of low-abundance compounds. <i>Journal of Chromatography A</i> , 2014, 1351, 90-95.	1.8	5
31	High sensitivity and specificity feature detection in liquid chromatography-mass spectrometry data: A deep learning framework. <i>Talanta</i> , 2021, 222, 121580.	2.9	5
32	Bidentatide, a Novel Plant Peptide Derived from <i>Achyranthes bidentata</i> Blume: Isolation, Characterization, and Neuroprotection through Inhibition of NR2B-Containing NMDA Receptors. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7977.	1.8	5
33	<i>N</i> -Butyl-4-hydroxy-1,8-naphthalimide: A new matrix for small molecule analysis by matrix-assisted laser desorption/ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 1779-1784.	0.7	4
34	Computational exploration of natural peptides targeting ACE2. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 8018-8029.	2.0	4
35	Quinetides: diverse posttranslational modified peptides of ribonuclease-like storage protein from <i>Panax quinquefolius</i> as markers for differentiating ginseng species. <i>Journal of Ginseng Research</i> , 2020, 44, 680-689.	3.0	3
36	Plasma nontargeted peptidomics discovers potential biomarkers for major depressive disorder. <i>Proteomics - Clinical Applications</i> , 2021, 15, e2000058.	0.8	2

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37	Determination of Dissociation Constants of Strychnos Alkaloids from <i>Strychnos nux-vomica</i> L. by Capillary Electrophoresis. <i>Mikrochimica Acta</i> , 2005, 150, 305-310.	2.5	1
38	Preparative isolation of caffeoylquinic acid isomers from Kuding tea by salt-containing aqueous two-phase extraction and purification by high-speed countercurrent chromatography. <i>Separation Science Plus</i> , 2019, 2, 170-177.	0.3	0