Xiaozhe Zhang

List of Publications by Year in Descending Order

38 papers	409 citations	12 h-index	18 g-index
40 ext. papers	511 ext. citations	4 avg, IF	3.39 L-index

#	Paper	IF	Citations
38	Design, Preparation, and Application of Magnetic Nanoparticles for Food Safety Analysis: A Review of Recent Advances.. *Journal of Agricultural and Food Chemistry*, **2021**,	5.7	5
37	Computational exploration of natural peptides targeting ACE2. *Journal of Biomolecular Structure and Dynamics*, **2021**, 1-12	3.6	1
36	High sensitivity and specificity feature detection in liquid chromatography-mass spectrometry data: A deep learning framework. *Talanta*, **2021**, 222, 121580	6.2	1
35	Bidentatide, a Novel Plant Peptide Derived from Blume: Isolation, Characterization, and Neuroprotection through Inhibition of NR2B-Containing NMDA Receptors. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	1
34	Active Pyrylium Salt 2,4,5-Triphenylpyrylium for Improved Mass Spectrometry-Based Detection of Peptides. *Analytical Chemistry*, **2021**, 93, 11072-11080	7.8	1
33	Plasma nontargeted peptidomics discovers potential biomarkers for major depressive disorder. *Proteomics - Clinical Applications*, **2021**, 15, e2000058	3.1	1
32	Untargeted Metabolomic Characterization of Ovarian Tumors. *Cancers*, **2020**, 12,	6.6	4
31	Alpha-Synuclein Dopaminylation Presented in Plasma of Both Healthy Subjects and Parkinson's Disease Patients. *Proteomics - Clinical Applications*, **2020**, 14, e1900117	3.1	1
30	Discovery and validation of biomarkers for Zhongning goji berries using liquid chromatography mass spectrometry. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2020**, 1142, 122037	3.2	6
29	In situ derivatization of Au nanoclusters via aurophilic interactions of a triphenylphosphine gold(i) salt with neurotransmitters and their rapid MALDI-TOF-MS detection in mice brain tissue extracts. *Journal of Materials Chemistry B*, **2020**, 8, 38-44	7.3	4
28	Peptides as Potential Biomarkers for Authentication of Mountain-Cultivated Ginseng and Cultivated Ginseng of Different Ages Using UPLC-HRMS. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 2263-2275	5.7	11
27	Quinetides: diverse posttranslational modified peptides of ribonuclease-like storage protein from as markers for differentiating ginseng species. *Journal of Ginseng Research*, **2020**, 44, 680-689	5.8	1
26	Measurement of ultra-trace level of intact oxytocin in plasma using SALLE combined with nano-LC-MS. *Journal of Pharmaceutical and Biomedical Analysis*, **2019**, 173, 62-67	3.5	9
25	Preparative isolation of caffeoylquinic acid isomers from Kuding tea by salt-containing aqueous two-phase extraction and purification by high-speed countercurrent chromatography. *Separation Science Plus*, **2019**, 2, 170-177	1.1	
24	Various Multicharged Anions of Ginsenosides in Negative Electrospray Ionization with QTOF High-Resolution Mass Spectrometry. *Journal of the American Society for Mass Spectrometry*, **2019**, 30, 403-418	3.5	3
23	Rapid discrimination between red and white ginseng based on unique mass-spectrometric features. *Journal of Pharmaceutical and Biomedical Analysis*, **2019**, 164, 202-210	3.5	5
22	Extensive characterization and differential analysis of endogenous peptides from Bombyx batryticatus using mass spectrometric approach. *Journal of Pharmaceutical and Biomedical Analysis*, **2019**, 163, 78-87	3.5	4

21	Potential biomarkers of Parkinson's disease revealed by plasma metabolic profiling. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2018**, 1081-1082, 101-108	3.2	43
20	Stress Impacts the Regulation Neuropeptides in the Rat Hippocampus and Prefrontal Cortex. *Proteomics*, **2018**, 18, e1700408	4.8	18
19	Separation and identification of mouse brain tissue microproteins using top-down method with high resolution nanocapillary liquid chromatography mass spectrometry. *Proteomics*, **2017**, 17, 1600419	4.8	11
18	N-Butyl-4-hydroxy-1,8-naphthalimide: A new matrix for small molecule analysis by matrix-assisted laser desorption/ionization mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2017**, 31, 1779-1784	2.2	3
17	Extensive characterization of peptides from Panax ginseng C. A. Meyer using mass spectrometric approach. *Proteomics*, **2016**, 16, 2788-2791	4.8	12
16	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 Stellera chamaejasme extracts. *Journal of Separation Science*	3.4	17
15	Polarity, selectivity and performance of hydrophilic organic/salt-containing aqueous two-phase system on counter-current chromatography for polar compounds. *Journal of Chromatography A*, **2016**, 1448, 49-57	4.5	6
14	High-Efficiency Recognition and Identification of Disulfide Bonded Peptides in Rat Neuropeptidome Using Targeted Electron Transfer Dissociation Tandem Mass Spectrometry. *Analytical Chemistry*, **2015**, 87, 11646-51	7.8	8
13	Rapid and sensitive analysis of parishin and its metabolites in rat plasma using ultra high performance liquid chromatography-fluorescence detection. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2014**, 973C, 104-109	3.2	15
12	Altered neurochemical levels in the rat brain following chronic nicotine treatment. *Journal of Chemical Neuroanatomy*, **2014**, 59-60, 29-35	3.2	8
11	A novel preparative liquid chromatograph for repetitive enrichment and purification of low-abundance compounds. *Journal of Chromatography A*, **2014**, 1351, 90-5	4.5	3
10	Isolation and characterization of two new phenolic acids from cultured cells of Saussurea involucrata. *Phytochemistry Letters*, **2014**, 7, 133-136	1.9	9
9	Extending the scope of neuropeptidomics in the mammalian brain. *EuPA Open Proteomics*, **2014**, 3, 273-279	3.2	7
8	Neuropeptide alterations in the tree shrew hypothalamus during volatile anesthesia. *Journal of Proteomics*, **2013**, 80, 311-9	3.9	14
7	Chronic nicotine treatment impacts the regulation of opioid and non-opioid peptides in the rat dorsal striatum. *Molecular and Cellular Proteomics*, **2013**, 12, 1553-62	7.6	19
6	High identification rates of endogenous neuropeptides from mouse brain. *Journal of Proteome Research*, **2012**, 11, 2819-27	5.6	32
5	Extensive characterization of Tupaia belangeri neuropeptidome using an integrated mass spectrometric approach. *Journal of Proteome Research*, **2012**, 11, 886-96	5.6	25
4	Determination of Dissociation Constants of Strychnos Alkaloids from Strychnos nux-vomica L. by Capillary Electrophoresis. *Mikrochimica Acta*, **2005**, 150, 305-310	5.8	0

3	Direct characterization of bitter acids in a crude hop extract by liquid chromatography-atmospheric pressure chemical ionization mass spectrometry. *Journal of the American Society for Mass Spectrometry*, **2004**, 15, 180-7	3.5	37
2	Iridoid glucosides from Strychnos nux-vomica. *Phytochemistry*, **2003**, 64, 1341-4	4	34
1	Characterization of phthalides in Ligusticum chuanxiong by liquid chromatographic-atmospheric pressure chemical ionization-mass spectrometry. *Journal of Chromatographic Science*, **2003**, 41, 428-33	1.4	29