

Xiao-jia Chen

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,173
citations

201674

27
h-index

233421

45
g-index

50
all docs

50
docs citations

50
times ranked

2679
citing authors

#	ARTICLE	IF	CITATIONS
1	Cell Membrane Coating Technology: A Promising Strategy for Biomedical Applications. <i>Nano-Micro Letters</i> , 2019, 11, 100.	27.0	180
2	Chemistry, bioactivity and quality control of <i>Dendrobium</i> , a commonly used tonic herb in traditional Chinese medicine. <i>Phytochemistry Reviews</i> , 2013, 12, 341-367.	6.5	154
3	<i>Ophiopogon japonicus</i> —A phytochemical, ethnomedicinal and pharmacological review. <i>Journal of Ethnopharmacology</i> , 2016, 181, 193-213.	4.1	148
4	Phytochemistry and Pharmacology of <i>Carthamus tinctorius</i> L. <i>The American Journal of Chinese Medicine</i> , 2016, 44, 197-226.	3.8	120
5	Saponins from Chinese Medicines as Anticancer Agents. <i>Molecules</i> , 2016, 21, 1326.	3.8	110
6	A rapid method for simultaneous determination of 15 flavonoids in <i>Epimedium</i> using pressurized liquid extraction and ultra-performance liquid chromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 46, 226-235.	2.8	93
7	Simultaneous determination of 15 flavonoids in <i>Epimedium</i> using pressurized liquid extraction and high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2007, 1163, 96-104.	3.7	90
8	A Systematic Review of the Anticancer Properties of Compounds Isolated from Licorice (<i>Gancao</i>). <i>Planta Medica</i> , 2015, 81, 1670-1687.	1.3	77
9	Anticancer Activities of Protopanaxadiol- and Protopanaxatriol-Type Ginsenosides and Their Metabolites. <i>Evidence-based Complementary and Alternative Medicine</i> , 2016, 2016, 1-19.	1.2	74
10	Differentiation of <i>Herba Cistanches</i> by fingerprint with high-performance liquid chromatography—diode array detection—mass spectrometry. <i>Journal of Chromatography A</i> , 2009, 1216, 2156-2162.	3.7	70
11	Nanoparticles Mediating the Sustained Puerarin Release Facilitate Improved Brain Delivery to Treat Parkinson's Disease. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 45276-45289.	8.0	68
12	Brain-targeted delivery shuttled by black phosphorus nanostructure to treat Parkinson's disease. <i>Biomaterials</i> , 2020, 260, 120339.	11.4	66
13	Simultaneous determination of components with wide polarity and content ranges in <i>Cistanche tubulosa</i> using serially coupled reverse phase-hydrophilic interaction chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2017, 1501, 39-50.	3.7	62
14	Chemical Constituents, Quality Control, and Bioactivity of <i>Epimedii Folium</i> (<i>Yinyanghuo</i>). <i>The American Journal of Chinese Medicine</i> , 2015, 43, 783-834.	3.8	56
15	Simultaneous determination of five flavonoids in licorice using pressurized liquid extraction and capillary electrochromatography coupled with peak suppression diode array detection. <i>Journal of Chromatography A</i> , 2009, 1216, 7329-7335.	3.7	54
16	Polymeric Nanoparticles-Based Brain Delivery with Improved Therapeutic Efficacy of Ginkgolide B in Parkinson's Disease. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 10453-10467.	6.7	54
17	Quality standard of traditional Chinese medicines: comparison between European Pharmacopoeia and Chinese Pharmacopoeia and recent advances. <i>Chinese Medicine</i> , 2020, 15, 76.	4.0	51
18	Oral Delivery of Puerarin Nanocrystals To Improve Brain Accumulation and Anti-Parkinsonian Efficacy. <i>Molecular Pharmaceutics</i> , 2019, 16, 1444-1455.	4.6	47

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19	Zebrafish: A Promising Model for Evaluating the Toxicity of Carbon Dot-Based Nanomaterials. ACS Applied Materials & Interfaces, 2020, 12, 49012-49020.	8.0	44
20	Serially coupled reversed phase-hydrophilic interaction liquid chromatographyâ€“tailored multiple reaction monitoring, a fit-for-purpose tool for large-scale targeted metabolomics of medicinal bile. Analytica Chimica Acta, 2018, 1037, 119-129.	5.4	43
21	Enhancement of oral bioavailability and anti-Parkinsonian efficacy of resveratrol through a nanocrystal formulation. Asian Journal of Pharmaceutical Sciences, 2020, 15, 518-528.	9.1	43
22	Comparison of polysaccharides from different Dendrobium using saccharide mapping. Journal of Pharmaceutical and Biomedical Analysis, 2011, 55, 977-983.	2.8	41
23	Highly stabilized nanocrystals delivering Ginkgolide B in protecting against the Parkinsonâ€™s disease. International Journal of Pharmaceutics, 2020, 577, 119053.	5.2	36
24	Natural formulas and the nature of formulas: Exploring potential therapeutic targets based on traditional Chinese herbal formulas. PLoS ONE, 2017, 12, e0171628.	2.5	36
25	Quality evaluation of Polygonum multiflorum in China based on HPLC analysis of hydrophilic bioactive compounds and chemometrics. Journal of Pharmaceutical and Biomedical Analysis, 2013, 72, 223-230.	2.8	35
26	Simultaneous determination of seven flavonoids in <i>Epimedium</i> using pressurized liquid extraction and capillary electrochromatography. Journal of Separation Science, 2008, 31, 881-887.	2.5	31
27	CE and CEC of nucleosides and nucleotides in food materials. Electrophoresis, 2010, 31, 2092-2105.	2.4	28
28	CE and CEC analysis of phytochemicals in herbal medicines. Electrophoresis, 2012, 33, 168-179.	2.4	23
29	Nonthermally driven volatile evolution of food matrices: The case of high pressure processing. Trends in Food Science and Technology, 2020, 106, 365-381.	15.1	23
30	Black phosphorus as a versatile nanoplatform: From unique properties to biomedical applications. Journal of Innovative Optical Health Sciences, 2020, 13, .	1.0	18
31	NIR-II-Activated Yolkâ€“Shell Nanostructures as an Intelligent Platform for Parkinsonian Therapy. ACS Applied Bio Materials, 2020, 3, 6876-6887.	4.6	17
32	Effect of stability of internal standard on quantification of 15 flavonoids in <i>Epimedium</i> using CZE. Journal of Separation Science, 2009, 32, 275-281.	2.5	16
33	An untargeted metabolomic insight into the high-pressure stress effect on the germination of wholegrain <i>Oryza sativa</i> L.. Food Research International, 2021, 140, 109984.	6.2	16
34	Metabolic Profiling of Saponin-Rich <i>Ophiopogon japonicus</i> Roots Based on ¹ H NMR and HPTLC Platforms. Planta Medica, 2019, 85, 917-924.	1.3	15
35	Quantitative determination of arenobufagin in rat plasma by ultra fast liquid chromatographyâ€“tandem mass spectrometry and its application in a pharmacokinetic study. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2013, 939, 86-91.	2.3	13
36	Discrimination of Three <i>Panax</i> Species Based on Differences in Volatile Organic Compounds Using a Static Headspace GC-MS-Based Metabolomics Approach. The American Journal of Chinese Medicine, 2016, 44, 663-676.	3.8	13

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37	Effect of ion adsorption on <sc>CEC</sc> separation of small molecules using hypercrosslinked porous polymer monolithic capillary columns. <i>Journal of Separation Science</i> , 2012, 35, 1502-1506.	2.5	12
38	Traceability and Quality Control in Traditional Chinese Medicine: From Chemical Fingerprint to Two-Dimensional Barcode. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-6.	1.2	12
39	New instrumentation for large-scale quantitative analysis of components spanning a wide polarity range by column-switching hydrophilic interaction chromatography-turbulent flow chromatography-reversed phase liquid chromatography-tandem mass spectrometry. <i>RSC Advances</i> , 2017, 7, 31838-31849.	3.6	12
40	Rational Design of Thermosensitive Hydrogel to Deliver Nanocrystals with Intranasal Administration for Brain Targeting in Parkinson's Disease. <i>Research</i> , 2021, 2021, 9812523.	5.7	12
41	Cucurbituril-Oriented Nanoplatfoms in Biomedical Applications. <i>ACS Applied Bio Materials</i> , 2020, 3, 8211-8240.	4.6	11
42	Isolation of Two Sucrose Esters from <i>Polygala tenuifolia</i> by High Speed Countercurrent Chromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2005, 28, 1583-1592.	1.0	10
43	Stability profiling and degradation products of dihydromyricetin in Dulbecco's modified eagle's medium. <i>Food Chemistry</i> , 2022, 378, 132033.	8.2	10
44	Determination of six polyynes in <i>Oplopanax horridus</i> and <i>Oplopanax elatus</i> using polyethylene glycol modified reversed migration microemulsion electrokinetic chromatography. <i>Electrophoresis</i> , 2014, 35, 2959-2964.	2.4	9
45	Simultaneous determination of seven hydrophilic bioactive compounds in water extract of <i>Polygonum multiflorum</i> using pressurized liquid extraction and short-end injection micellar electrokinetic chromatography. <i>Chemistry Central Journal</i> , 2013, 7, 45.	2.6	7
46	Key quality factors for Chinese herbal medicines entering the EU market. <i>Chinese Medicine</i> , 2022, 17, 29.	4.0	5
47	Rapid Screening of Lipase Inhibitors from <i>Ophiopogonis Radix</i> Using High-Performance Thin Layer Chromatography by Two Step Gradient Elution Combined with Bioautographic Method. <i>Molecules</i> , 2022, 27, 1155.	3.8	4
48	Chemical Comparison of Monk Fruit Products Processed by Different Drying Methods Using High-Performance Thin-Layer Chromatography Combined With Chemometric Analysis. <i>Frontiers in Nutrition</i> , 2022, 9, 887992.	3.7	3
49	Application of Chemometrics in Capillary Electrophoresis Analysis of Herbal Medicines. , 0, , 227-242.		1
50	Chemical Stability of a Chinese Herbal Spirit Using LC-MS-Based Metabolomics and Accelerated Tests. <i>Frontiers in Pharmacology</i> , 2022, 13, 857706.	3.5	0