Xiaoyan Gao

List of Publications by Year
in descending order

45 papers	748 citations	516710 16 h-index
55 all docs	55 docs citations	55 times ranked

580821 25 g-index	979 citing authors

#	Article	IF	Citations
1	One single standard substance for the determination of multiple anthraquinone derivatives in rhubarb using high-performance liquid chromatography-diode array detection. Journal of Chromatography A, 2009, 1216, 2118-2123.	3.7	93
2	Plasma Metabolomic Profiling to Reveal Antipyretic Mechanism of Shuang-Huang-Lian Injection on Yeast-Induced Pyrexia Rats. PLoS ONE, 2014, 9, e100017.	2.5	52
3	Metabolism and mutual biotransformations of anthraquinones and anthrones in rhubarb by human intestinal flora using UPLC-Q-TOF/MS. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2019, 1104, 59-66.	2.3	48
4	Effects of Ginsenoside Rg1 on the Expression of Toll-Like Receptor 3, 4 and Their Signalling Transduction Factors in the NG108-15 Murine Neuroglial Cell Line. Molecules, 2014, 19, 16925-16936.	3.8	42
5	Global chemical profiling based quality evaluation approach of rhubarb using ultra performance liquid chromatography with tandem quadrupole time-of-flight mass spectrometry. Journal of Separation Science, 2015, 38, 511-522.	2.5	33
6	UPLC Q-TOF/MS-Based Metabolic Profiling of Urine Reveals the Novel Antipyretic Mechanisms of Qingkailing Injection in a Rat Model of Yeast-Induced Pyrexia. Evidence-based Complementary and Alternative Medicine, 2013, 2013, 1-8.	1.2	30
7	Integration of Metabolomics With Pharmacodynamics to Elucidate the Anti-myocardial Ischemia Effects of Combination of Notoginseng Total Saponins and Safflower Total Flavonoids. Frontiers in Pharmacology, 2018, 9, 667.	3.5	27
8	Pharmacokinetic-Pharmacodynamic Modeling to Study the Antipyretic Effect of Qingkailing Injection on Pyrexia Model Rats. Molecules, 2016, 21, 317.	3.8	24
9	Identification of chemical constituents in traditional Chinese medicine formula using HPLC coupled with linear ion trap-Orbitrap MS from high doses of medicinal materials to equivalent doses of formula: Study on Xiang-Sha-Liu-Jun-Zi-Jia-Jian granules. Journal of Separation Science, 2016, 39, 1619-1627.	2.5	24
10	Rhein Ameliorates Cognitive Impairment in an APP/PS1 Transgenic Mouse Model of Alzheimer's Disease by Relieving Oxidative Stress through Activating the SIRT1/PGC-1± Pathway. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-14.	4.0	24
11	A urinary metabonomics study on biochemical changes in yeast-induced pyrexia rats: A new approach to elucidating the biochemical basis of the febrile response. Chemico-Biological Interactions, 2013, 204, 39-48.	4.0	21
12	Characterization of the potential new phthalides in <i>Ligusticum chuanxiong</i> Hort. using ultra-performance liquid chromatography coupled with quadrupole time of flight tandem mass spectrometry. Journal of Separation Science, 2017, 40, 2123-2130.	2.5	21
13	A strategy to improve the identification reliability of the chemical constituents by high-resolution mass spectrometry-based isomer structure prediction combined with a quantitative structure retention relationship analysis: Phthalide compounds in Chuanxiong as a test case. Journal of Chromatography A, 2018, 1552, 17-28.	3.7	21
14	On-line incubation and real-time detection by ultra-performance liquid chromatography-quadrupole time-of-flight mass spectrometry for rapidly analyzing metabolites of anthraquinones in rat liver microsomes. Journal of Chromatography A, 2018, 1571, 94-106.	3.7	20
15	A rapid and sensitive UPLC-MS/MS method for quantification of two caffeoylquinic acids and four main active components in rat plasma after an intravenous administration of Qingkailing injection and its application to a pharmacokinetic study. Biomedical Chromatography, 2014, 28, 601-609.	1.7	19
16	A metabolomic strategy to screen the prototype components and metabolites of Qingkailing injection in rat urine by high‐performance liquid chromatography with tandem mass spectrometry. Journal of Separation Science, 2014, 37, 2844-2850.	2.5	19
17	Rhein Relieves Oxidative Stress in an Aβ1-42 Oligomer-Burdened Neuron Model by Activating the SIRT1/PGC-1±-Regulated Mitochondrial Biogenesis. Frontiers in Pharmacology, 2021, 12, 746711.	3.5	18
18	Plasma metabolomics combined with lipidomics profiling reveals the potential antipyretic mechanisms of Qingkailing injection in a rat model. Chemico-Biological Interactions, 2016, 254, 24-33.	4.0	16

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19	Using UHPLC Q-Trap/MS as a complementary technique to in-depth mine UPLC Q-TOF/MS data for identifying modified nucleosides in urine. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1051, 108-117.	2.3	16
20	Applying characteristic fragment filtering for rapid detection and identification of ingredients in rhubarb by HPLC coupled with linear ion trap-Orbitrap mass spectrometry. Journal of Separation Science, 2017, 40, 2854-2862.	2.5	15
21	Application of characteristic fragment filtering with ultra high performance liquid chromatography coupled with high‐resolution mass spectrometry for comprehensive identification of components in Schisandrae chinensis Fructus. Journal of Separation Science, 2019, 42, 1323-1331.	2.5	15
22	A Metabolomic Strategy to Screen the Prototype Components and Metabolites ofShuang-Huang-Lian Injectionin Human Serum by Ultra Performance Liquid Chromatography Coupled with Quadrupole Time-of-Flight Mass Spectrometry. Journal of Analytical Methods in Chemistry, 2014, 2014, 1-12.	1.6	12
23	Characterization of rational biomarkers accompanying fever in yeast-induced pyrexia rats using urine metabolic footprint analysis. Journal of Pharmaceutical and Biomedical Analysis, 2014, 95, 68-75.	2.8	12
24	Hypothalamus metabolomic profiling to elucidate the tissue-targeted biochemical basis of febrile response in yeast-induced pyrexia rats. Chemico-Biological Interactions, 2015, 231, 61-70.	4.0	10
25	Improved Understanding of the High Shear Wet Granulation Process under the Paradigm of Quality by Design Using Salvia miltiorrhiza Granules. Pharmaceutics, 2019, 11, 519.	4.5	10
26	One Single Amino Acid for Estimation the Content of Total Free Amino Acids in<i>Qingkailing Injection</i>Using High-Performance Liquid Chromatography-Diode Array Detection. Journal of Analytical Methods in Chemistry, 2014, 2014, 1-9.	1.6	9
27	Deciphering biochemical basis of Qingkailing injection-induced anaphylaxis in a rat model by time-dependent metabolomic profiling based on metabolite polarity-oriented analysis. Journal of Ethnopharmacology, 2018, 225, 287-296.	4.1	8
28	Comparative efficacy of Chinese herbal injections for angina pectoris: A Bayesian network meta-analysis of randomized controlled trials. Complementary Therapies in Medicine, 2019, 43, 208-217.	2.7	8
29	Comparative study of xuesaitong injection and compound <i>salvia miltiorrhizae</i> injection in the treatment of acute cerebral infarction: a meta-analysis. Journal of International Medical Research, 2019, 47, 5375-5388.	1.0	7
30	An integrated strategy based on characteristic fragment filter supplemented by multivariate statistical analysis in multi-stage mass spectrometry chromatograms for the large-scale detection and identification of natural plant-derived components in rat: The rhubarb case. Journal of Pharmaceutical and Biomedical Analysis, 2019, 174, 89-103.	2.8	7
31	The Study on the Mechanism of Hugan Tablets in Treating Drug-Induced Liver Injury Induced by Atorvastatin. Frontiers in Pharmacology, 2021, 12, 683707.	3.5	7
32	Metabolomics Profiling to Investigate the Pharmacologic Mechanisms of Berberine for the Treatment of High-Fat Diet-Induced Nonalcoholic Steatohepatitis. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-9.	1.2	6
33	An integrated strategy by using target tissue metabolomics biomarkers as pharmacodynamic surrogate indices to screen antipyretic components of Qingkaikling injection. Scientific Reports, 2017, 7, 6310.	3.3	6
34	A method toward constituents with weak response in mass spectra for comprehensively characterizing constituents in traditional Chinese medicine formula, Kangfuxiaoyanshuan as a case. Journal of Separation Science, 2019, 42, 3152-3160.	2.5	6
35	Pharmacometabolomics in Endogenous Drugs: A New Approach for Predicting the Individualized Pharmacokinetics of Cholic Acid. Journal of Proteome Research, 2017, 16, 3529-3535.	3.7	5
36	Delipidation‐based solid‐phase extraction pretreatment technique for plasma broad‐coverage metabolomic profiling to reveal the potential pathogenesis of yeast‐induced fever in rats. Journal of Separation Science, 2016, 39, 2616-2625.	2.5	4

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37	Applying target data screening followed by characteristic fragment filtering for the comprehensive screening and identification of alkaloids in *Corydalis yanhusuo*ÂW. T. Wang by UPLC-Q-TOF/MS^E. RSC Advances, 2017, 7, 53545-53551.	3.6	4
38	Discovering Temporal Patterns in Longitudinal Nontargeted Metabolomics Data via Group and Nuclear Norm Regularized Multivariate Regression. Metabolites, 2020, 10, 33.	2.9	4
39	Corydalis Rhizoma as a model for herb-derived trace metabolites exploration: A cross-mapping strategy involving multiple doses and samples. Journal of Pharmaceutical Analysis, 2021, 11, 308-319.	5.3	4
40	Serum metabolic profiling of traditional Chinese medicine syndromes in patients with diarrhea-predominant irritable bowel syndrome. Journal of Integrative Medicine, 2021, 19, 274-281.	3.1	4
41	Integrated Metabolomics and Network Pharmacology Study on the Mechanism of Kangfuxiaoyan Suppository for Treating Chronic Pelvic Inflammatory Disease. Frontiers in Pharmacology, 2022, 13, 812587.	3.5	4
42	Ultra high performance liquid chromatography with tandem mass spectrometry for rapid separation and identification of main constituents in Chinese herbal formula Xuan Hu Suo San. Natural Product Research, 2017, 31, 1620-1624.	1.8	1
43	Photostable Red-Emitting Fluorescent Rhein-Magnesium(â…¡) Coordination Polymer Nanodot-Based Nanostructures With a Large Stokes Shift for Imaging Mitochondria in Cancer Cell. Frontiers in Oncology, 2021, 11, 758268.	2.8	1
44	BH+/MH+-matching method for discovery of cis-diol-containing modified nucleosides in urine by ribose-targeted solid phase extraction followed by dual-mass spectrometry platform identification. Journal of Pharmaceutical and Biomedical Analysis, 2022, 210, 114555.	2.8	1
45	Rheum tanguticum Alleviates Cognitive Impairment in APP/PS1 Mice by Regulating Drug-Responsive Bacteria and Their Corresponding Microbial Metabolites. Frontiers in Pharmacology, 2021, 12, 766120.	3.5	1