Yi Tao

List of Publications by Year in Descending Order

50 papers	727 citations	12 h-index	25 g-index
54 ext. papers	899 ext. citations	3.5 avg, IF	4.29 L-index

#	Paper	IF	Citations
50	Multivariate Statistical Analysis Uncovers Spectrum-Effect Relationship between HPLC Fingerprints and Antioxidant Activity of Saffron. *Journal of Chemistry*, **2021**, 2021, 1-15	2.3	
49	Immunotherapy for Triple-Negative Breast Cancer.. *Pharmaceutics*, **2021**, 13,	6.4	3
48	An efficient high-speed countercurrent chromatography method for preparative isolation of highly potent anti-cancer compound antroquinonol from Antrodia camphorata after experimental design optimized extraction. *Journal of Separation Science*, **2021**, 44, 2655-2662	3.4	2
47	LABEL-FREE BIO-AFFINITY MASS SPECTROMETRY FOR SCREENING AND LOCATING BIOACTIVE MOLECULES. *Mass Spectrometry Reviews*, **2021**, 40, 53-71	11	6
46	Layer-by-layer assembly strategy for fabrication of polydopamine-polyethyleneimine hybrid modified fibers and their application to solid-phase microextraction of bioactive molecules from medicinal plant samples followed by surface plasmon resonance biosensor validation. *Analytica*	6.6	1
45	Tracing anti-osteoporosis components from raw and salt-processed semen of Cuscuta chinensis by employing a biochemometrics strategy that integrates ultrasonic-assisted extraction, quantitation, efficacy assessment in zebrafish, and grey relationship analysis. *Journal of Separation Science*, **2021**, 44, 3229-3236	3.4	1
44	Tailored Biosensors for Drug Screening, Efficacy Assessment, and Toxicity Evaluation. *ACS Sensors*, **2021**, 6, 3146-3162	9.2	4
43	HPLC fingerprinting-based multivariate analysis of chemical components in Tetrastigma Hemsleyanum Diels et Gilg: Correlation to their antioxidant and neuraminidase inhibition activities. *Journal of Pharmaceutical and Biomedical Analysis*, **2021**, 205, 114314	3.5	3
42	Development of an ultra-high-performance liquid chromatography coupled with triple quadrupole mass spectrometry method for comparative pharmacokinetics of six triterpenoids in rat plasma and application to different forms of Phytolacca acinosa. *Journal of Separation Science*, **2020**, 43, 1248-1255	3.4	2
41	Validation of an analytical method using UPLC-MS/MS to quantify four bioactive components in rat plasma and its application to pharmacokinetic study of traditional and dispensing granules decoction of Ziziphi Spinosae Semen. *Biomedical Chromatography*, **2020**, 34, e4797	1.7	2
40	Traditional uses, processing methods, phytochemistry, pharmacology and quality control of Dipsacus asper Wall. ex C.B. Clarke: A review. *Journal of Ethnopharmacology*, **2020**, 258, 112912	5	4
39	A biochemometrics strategy for tracing diuretic components of crude and processed Alisma orientale based on quantitative determination and pharmacological evaluation. *Biomedical Chromatography*, **2020**, 34, e4744	1.7	3
38	A biochemometrics strategy combining quantitative determination, bioactivity evaluation and relationship analysis for identification of analgesic alkaloids of raw and vinegar-processed Corydalis turtschaninovii. *Journal of Separation Science*, **2020**, 43, 1183-1189	3.4	2
37	Establishment of a rapid and sensitive UPLC-MS/MS method for pharmacokinetic determination of nine alkaloids of crude and processed Corydalis turtschaninovii Besser aqueous extracts in rat plasma. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2019**, 1124, 218-225	3.2	7
36	Pharmacokinetic study of six triterpenoids of raw and processed Alisma plantago-aquatica in rat plasma by using ultra performance liquid chromatography-tandem mass spectrometry approach. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2019**, 1124, 323-330	3.2	4
35	Simultaneous Quantitation of Five Bioactive Ingredients in Raw and Processed Fallopia multiflora by Employing UHPLC-Q-TOF-MS. *Journal of Chromatographic Science*, **2019**, 57, 618-624	1.4	1
34	A reliable LC-MS/MS method for the quantification of five bioactive saponins of crude and processed Bupleurum scorzonerifolium in rat plasma and its application to a pharmacokinetic study. *Biomedical Chromatography*, **2019**, 33, e4570	1.7	2

33	Determination of major components from Radix Achyranthes bidentate using ultra high performance liquid chromatography with triple quadrupole tandem mass spectrometry and an evaluation of their anti-osteoporosis effect in vitro. *Journal of Separation Science*, **2019**, 42, 2214-2221	3.4	3
32	A sensitive UPLC-MS/MS method for simultaneous determination of polyphenols in rat plasma: Application to a pharmacokinetic study of dispensing granules and standard decoction of Cinnamomum cassia twigs. *Biomedical Chromatography*, **2019**, 33, e4534	1.7	6
31	Integrated metallomic and metabolomic profiling of plasma and tissues provides deep insights into the protective effect of raw and salt-processed Achyranthes bidentata Blume extract in ovariectomia rats. *Journal of Ethnopharmacology*, **2019**, 234, 85-95	5	9
30	A liquid chromatography-tandem mass spectrometry approach for study the tissue distributions of five components of crude and salt-processed Radix Achyranthes in rats. *Biomedical Chromatography* , **2019**, 33, e4483	1.7	2
29	Simultaneous Determination of Ten Bioactive Components in Raw and Processed Radix Dipsaci by UPLC-Q-TOF-MS. *Journal of Chromatographic Science*, **2019**, 57, 122-129	1.4	3
28	Towards the identification of alkaline phosphatase binding ligands in Li-Dan-Hua-Shi pills: A Box-Behnken design optimized affinity selection approach tandem with UHPLC-Q-TOF/MS analysis. *Journal of Pharmaceutical and Biomedical Analysis*, **2018**, 154, 486-491	3.5	1
27	Pharmacokinetic comparisons of six components from raw and vinegar-processed Daphne genkwa aqueous extracts following oral administration in rats by employing UHPLC-MS/MS approaches. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2018**, 1079, 34-40	3.2	13
26	Development and validation of an UHPLC-MS/MS approach for simultaneous quantification of five bioactive saponins in rat plasma: Application to a comparative pharmacokinetic study of aqueous extracts of raw and salt-processed Achyranthes bidentata. *Journal of Pharmaceutical and*	3.5	13
25	A simple and sensitive LC-MS/MS approach for simultaneous quantification of six bioactive compounds in rats following oral administration of aqueous extract and ultrafine powder of Astragalus propinquus: Application to a comparative pharmacokinetic study. *Journal of*	3.2	9
24	Fabrication and evaluation of magnetic phosphodiesterase-5 linked nanoparticles as adsorbent for magnetic dispersive solid-phase extraction of inhibitors from Chinese herbal medicine prior to ultra-high performance liquid chromatography-quadrupole time-of-flight mass spectrometry analysis. *Journal of Chromatography A*, **2018**, 1532, 58-67	4.5	10
23	Rapid Screening and Quantitative Determination of Active Components in Qing-Hua-Yu-Re-Formula Using UHPLC-Q-TOF/MS and HPLC-UV. *Journal of Analytical Methods in Chemistry*, **2018**, 2018, 8535127	2	6
22	Integrated response surface methodology and UHPLC coupled with triple quadrupole time-of-flight MS quantitation to investigate the salt-processing chemistry of traditional Chinese medicines: A case study on Achyranthes bidentata. *Separation Science Plus*, **2018**, 1, 439-445	1.1	2
21	Global and untargeted metabolomics evidence of the protective effect of different extracts of Dipsacus asper Wall. ex C.B. Clarke on estrogen deficiency after ovariectomia in rats. *Journal of Ethnopharmacology*, **2017**, 199, 20-29	5	16
20	UHPLC-MS/MS quantification combined with chemometrics for the comparative analysis of different batches of raw and wine-processed Dipsacus asper. *Journal of Separation Science*, **2017**, 40, 1686-1693	3.4	10
19	Integrating UHPLC-MS/MS quantification and DAS analysis to investigate the effects of wine-processing on the tissue distributions of bioactive constituents of herbs in rats: Exemplarily shown for Dipsacus asper. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2017**, 1055-1056, 135-143	3.2	10
18	Techniques for biological fingerprinting of traditional Chinese medicine. *TrAC - Trends in Analytical Chemistry*, **2017**, 97, 272-282	14.6	9
17	Chemical Fingerprint of Dachaihu Granule and Its Chemical Correlation Between Raw Herbs. *Journal of Chromatographic Science*, **2017**, 55, 405-410	1.4	3
16	Untargeted serum metabolomics reveals Fu-Zhu-Jiang-Tang tablet and its optimal combination improve an impaired glucose and lipid metabolism in type II diabetic rats. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2017**, 1040, 222-232	3.2	12

15	A UPLC-MS/MS approach for simultaneous determination of eight flavonoids in rat plasma, and its application to pharmacokinetic studies of Fu-Zhu-Jiang-Tang tablet in rats. *Biomedical Chromatography*, **2017**, 31, e3828	1.7	3
14	Simultaneous Determination of 10 Flavonoids in Crude and Wine-Processed Radix scutellariae by UHPLC. *Journal of Chromatographic Science*, **2016**, 54, 312-7	1.4	9
13	Magnetic solid-phase extraction coupled with HPLC-Q-TOF-MS for rapid analysis of tyrosinase binders from San-Bai decoction by Box-Behnken statistical design. *RSC Advances*, **2016**, 6, 109730-109741	3.7	14
12	Zeolite based solid-phase extraction coupled with UPLC-Q-TOF-MS for rapid analysis of acetylcholinesterase binders from crude extract of Corydalis yanhusuo. *RSC Advances*, **2016**, 6, 98476-98486	3.7	10
11	Rapid magnetic solid-phase extraction combined with ultra-high performance liquid chromatography and quadrupole-time-of-flight mass spectrometry for analysis of thrombin binders from a crude extract and injection of Erigeron breviscapus. *RSC Advances*, **2016**, 6, 34782-34790	3.7	15
10	Rapid characterization and determination of isoflavones and triterpenoid saponins in Fu-Zhu-Jiang-Tang tablets using UHPLC-Q-TOF/MS and HPLC-UV. *Analytical Methods*, **2016**, 8, 4211-4219	3.2	12
9	Comparative pharmacokinetic analysis of extracts of crude and wine-processed Dipsacus asper in rats by a sensitive ultra performance liquid chromatography-tandem mass spectrometry approach. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2016**, 1036-1037, 33-41	3.2	5
8	Ultrafiltration coupled with high-performance liquid chromatography and quadrupole-time-of-flight mass spectrometry for screening lipase binders from different extracts of Dendrobium officinale. *Analytical and Bioanalytical Chemistry*, **2015**, 407, 6081-93	4.4	48
7	Simultaneous determination of ten alkaloids of crude and wine-processed Rhizoma Coptidis aqueous extracts in rat plasma by UHPLC-ESI-MS/MS and its application to a comparative pharmacokinetic study. *Journal of Pharmaceutical and Biomedical Analysis*, **2015**, 105, 64-73	3.5	44
6	Rapid screening and identification of α-glucosidase inhibitors from mulberry leaves using enzyme-immobilized magnetic beads coupled with HPLC/MS and NMR. *Biomedical Chromatography*, **2013**, 27, 148-55	1.7	234
5	Immobilized magnetic beads based multi-target affinity selection coupled with high performance liquid chromatography-mass spectrometry for screening anti-diabetic compounds from a Chinese medicine "Tang-Zhi-Qing". *Journal of Pharmaceutical and Biomedical Analysis*, **2013**, 78-79, 190-201	3.5	43
4	Hollow fiber based affinity selection combined with high performance liquid chromatography-mass spectroscopy for rapid screening lipase inhibitors from lotus leaf. *Analytica Chimica Acta*, **2013**, 785, 75-81	6.6	37
3	Preparation and Characterization of Water-Soluble Chitosan Microparticles Loaded with Insulin Using the Polyelectrolyte Complexation Method. *Journal of Nanomaterials*, **2011**, 2011, 1-6	3.2	7
2	Preparation and Characterization of Water-Soluble Chitosan Nanoparticles as Protein Delivery System. *Journal of Nanomaterials*, **2010**, 2010, 1-5	3.2	45
1	Integrated analysis of serum and liver metabonome in liver transplanted rats by gas chromatography coupled with mass spectrometry. *Analytica Chimica Acta*, **2009**, 633, 65-70	6.6	17