

# Zhanying Hong

## List of Publications by Year in descending order

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44  
papers

811  
citations

471509

17  
h-index

552781

26  
g-index

47  
all docs

47  
docs citations

47  
times ranked

996  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative Normal/Failing Rat Myocardium Cell Membrane Chromatographic Analysis System for Screening Specific Components That Counteract Doxorubicin-Induced Heart Failure from <i>Acontium carmichaeli</i> . <i>Analytical Chemistry</i> , 2014, 86, 4748-4757.	6.5	87
2	Recent advances in microfluidic devices for bacteria and fungus research. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 112, 175-195.	11.4	58
3	Development of APTES-Decorated HepG2 Cancer Stem Cell Membrane Chromatography for Screening Active Components from <i>Salvia miltiorrhiza</i> . <i>Analytical Chemistry</i> , 2016, 88, 12081-12089.	6.5	56
4	Ultrasound-assisted low-density solvent dispersive liquid-liquid microextraction for the simultaneous determination of 12 new antidepressants and 2 antipsychotics in whole blood by gas chromatography-mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 142, 19-27.	2.8	50
5	Quality improvements of cell membrane chromatographic column. <i>Journal of Chromatography A</i> , 2014, 1359, 330-335.	3.7	38
6	Brain pharmacokinetics and tissue distribution of tetrahydropalmatine enantiomers in rats after oral administration of the racemate. <i>Biopharmaceutics and Drug Disposition</i> , 2006, 27, 111-117.	1.9	32
7	Biosensor-Based Active Ingredients Recognition System for Screening STAT3 Ligands from Medical Herbs. <i>Analytical Chemistry</i> , 2018, 90, 8936-8945.	6.5	29
8	Recent advances in microfluidic technology and applications for anti-cancer drug screening. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 134, 116118.	11.4	28
9	Stereoselective pharmacokinetics of tetrahydropalmatine after oral administration of (?)-enantiomer and the racemate. <i>Chirality</i> , 2005, 17, 293-296.	2.6	25
10	Effects of glaucocalyxin A on human liver cancer cells as revealed by GC/MS- and LC/MS-based metabolic profiling. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 3325-3335.	3.7	25
11	Comparative studies on pharmacokinetic fates of tetrahydropalmatine enantiomers in different chemical environments in rats. <i>Chirality</i> , 2008, 20, 119-124.	2.6	22
12	UHPLC-QTOF/MS-based metabolomics investigation for the protective mechanism of Danshen in Alzheimer's disease cell model induced by A $\beta$ 1-42. <i>Metabolomics</i> , 2019, 15, 13.	3.0	21
13	A rapid LC-MS/MS method for simultaneous determination of quetiapine and duloxetine in rat plasma and its application to pharmacokinetic interaction study. <i>Journal of Food and Drug Analysis</i> , 2019, 27, 323-331.	1.9	21
14	A practical strategy for characterization of the metabolic profile of chiral drugs using combinatory liquid chromatography-mass spectrometric techniques: Application to tetrahydropalmatine enantiomers and their metabolites in rat urine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 94, 152-162.	2.8	19
15	Microfluidic adhesion analysis of single glioma cells for evaluating the effect of drugs. <i>Science China Chemistry</i> , 2020, 63, 865-870.	8.2	18
16	Determination of the Active Metabolite of Prulifloxacin in Human Plasma by HPLC with Fluorescence Detection. <i>Chromatographia</i> , 2007, 66, 37-41.	1.3	17
17	Innovative microwave-assisted oximation and silylation procedures for metabolomic analysis of plasma samples using gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2012, 1254, 14-22.	3.7	17
18	Surface Plasmon Resonance-Based Membrane Protein-Targeted Active Ingredients Recognition Strategy: Construction and Implementation in Ligand Screening from Herbal Medicines. <i>Analytical Chemistry</i> , 2020, 92, 3972-3980.	6.5	17

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19	Study on the stereoselective excretion of tetrahydropalmatine enantiomers in rats and identification of in vivo metabolites by liquid chromatography-tandem mass spectrometry. <i>Chirality</i> , 2010, 22, 355-360.	2.6	16
20	High-performance liquid chromatography-time-of-flight mass spectrometry with adjustment of fragmentor voltages for rapid identification of alkaloids in rat plasma after oral administration of <i>Scopolamine</i> and <i>Corydalis</i> extracts. <i>Journal of Separation Science</i> , 2012, 35, 1690-1696.	2.5	16
21	The Effects of Traditional Chinese Medicine on P-Glycoprotein-Mediated Multidrug Resistance and Approaches for Studying the Herb-P-Glycoprotein Interactions. <i>Drug Metabolism and Disposition</i> , 2020, 48, 972-979.	3.3	16
22	Protective effects of timosaponin BII on oxidative stress damage in PC12 cells based on metabolomics. <i>Biomedical Chromatography</i> , 2018, 32, e4321.	1.7	14
23	A distinct glycerophospholipid metabolism signature of acute graft versus host disease with predictive value. <i>JCI Insight</i> , 2019, 4, .	5.0	14
24	Enantioseparation of new triadimenol antifungal active compounds by electrokinetic chromatography and molecular modeling study of chiral recognition mechanisms. <i>Electrophoresis</i> , 2014, 35, 2855-2862.	2.4	12
25	Enantiospecific determination of arotinolol in rat plasma by LC-MS/MS: Application to a stereoselective pharmacokinetic study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 102, 299-304.	2.8	11
26	High-throughput LC-MS/MS method with 96-well plate precipitation for the determination of arotinolol and amlodipine in a small volume of rat plasma: Application to a pharmacokinetic interaction study. <i>Journal of Separation Science</i> , 2018, 41, 618-629.	2.5	11
27	A stop-flow comprehensive two-dimensional HK-2 and HK-2/CIK1 cell membrane chromatography comparative analysis system for screening the active ingredients from <i>Pyrosia calvata</i> (Bak.) Ching against crystal-induced kidney injury. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 195, 113825.	2.8	11
28	Screening potential P-glycoprotein inhibitors by combination of a detergent-free membrane protein extraction with surface plasmon resonance biosensor. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 3113-3123.	12.0	11
29	LC-MS/MS combined with in vivo microdialysis sampling from conscious rat striatum for simultaneous determination of active constituents of Yuanhu- Baizhi herb pair and endogenous neurotransmitters: Application to pharmacokinetic and pharmacodynamic study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 176, 112807.	2.8	10
30	Covalent Design of Cell Membrane Stationary Phase with Enhanced Stability for Fast Screening P-Glycoprotein Inhibitors. <i>ACS Applied Bio Materials</i> , 2020, 3, 5000-5006.	4.6	9
31	Rapid determination and comparative pharmacokinetics of tetrahydropalmatine in spontaneously hypertensive rats and normotensive rats. <i>Biomedical Chromatography</i> , 2012, 26, 749-753.	1.7	8
32	Evaluation of Tetrahydropalmatine Enantiomers on the Activity of Five Cytochrome P450 Isozymes in Rats Using a Liquid Chromatography / Mass Spectrometric Method and a Cocktail Approach. <i>Chirality</i> , 2015, 27, 551-556.	2.6	8
33	Identification of eupatilin and ginkgolide B as p38 ligands from medicinal herbs by surface plasmon resonance biosensor-based active ingredients recognition system. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 171, 35-42.	2.8	7
34	Rapid and sensitive determination of ambroxol hydrochloride injection by Raman spectroscopy combined with chemometric models. <i>Analytical Methods</i> , 2014, 6, 1096-1100.	2.7	6
35	Steroid hormone profiles plus $\alpha$ -fetoprotein for diagnosing primary liver cancer by liquid chromatography tandem mass spectrometry. <i>Clinica Chimica Acta</i> , 2016, 457, 92-98.	1.1	6
36	High-throughput Chiral LC-MS/MS Method Using Overlapping Injection Mode for the Determination of Pantoprazole Enantiomers in Human Plasma with Application to Pharmacokinetic Study. <i>Chirality</i> , 2016, 28, 569-575.	2.6	6

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37	Nuclear magnetic resonance-based plasma metabolomics revealed the protective effect of tea polyphenols on sulfur mustard-induced injury in rats. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 186, 113278.	2.8	6
38	Surface plasmon resonance biosensor combined with lentiviral particle stabilization strategy for rapid and specific screening of P-Glycoprotein ligands. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 2021-2031.	3.7	6
39	In situ synthesis and unidirectional insertion of membrane proteins in liposome-immobilized silica stationary phase for rapid preparation of microaffinity chromatography. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 3682-3693.	12.0	6
40	Rapid solid-phase extraction coupled with GC-MS method for the determination of venlafaxine in rat plasma: Application to the drug-drug pharmacokinetic interaction study of venlafaxine combined with fluoxetine. <i>Journal of Separation Science</i> , 2017, 40, 3462-3468.	2.5	5
41	Discovery of a Potent Botulinum Neurotoxin A Inhibitor <sc>ZM299</sc> with Effective Protections in Botulism Mice. <i>Chinese Journal of Chemistry</i> , 2022, 40, 357-364.	4.9	5
42	Simultaneous Determination of Seven Lipophilic and Hydrophilic Components in <i>Salvia miltiorrhiza</i> Bunge by LC-MS/MS Method and Its Application to a Transport Study in a Blood-Brain-Barrier Cell Model. <i>Molecules</i> , 2022, 27, 657.	3.8	4
43	Rapid and sensitive liquid chromatography with tandem mass spectrometry method for the simultaneous determination of 11 major components of Yuanhu-Baizhi herb-pair in rat perfusion fluids. <i>Journal of Separation Science</i> , 2014, 37, 1429-1437.	2.5	2
44	High-throughput LC-MS/MS Method for Simultaneous Determination of Pantoprazole and Atorvastatin in Rat Plasma: Application to a Pharmacokinetic Interaction Study. <i>Current Drug Metabolism</i> , 2021, 22, 481-490.	1.2	2