

Zhen-Yu Zhu

List of Publications by Year in descending order

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76
papers

1,536
citations

331670

21
h-index

377865

34
g-index

77
all docs

77
docs citations

77
times ranked

2168
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Lipophilic Constituents in <i>Salvia miltiorrhiza</i> Inhibit Activation of the Hepatic Stellate Cells by Suppressing the JAK1/STAT3 Signaling Pathway: A Network Pharmacology Study and Experimental Validation. <i>Frontiers in Pharmacology</i> , 2022, 13, 770344.	3.5	1
3	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
4	Screening of immune cell activators from <i>Astragali Radix</i> using a comprehensive two-dimensional NK-92MI cell membrane chromatography/C18 column/time-of-flight mass spectrometry system. <i>Journal of Pharmaceutical Analysis</i> , 2022, 12, 725-732.	5.3	6
5	Development of a surface plasmon resonance biosensor for accurate and sensitive quantitation of small molecules in blood samples. <i>Journal of Pharmaceutical Analysis</i> , 2022, 12, 929-936.	5.3	4
6	Comparative two-dimensional GPC3 overexpressing SK-Hep1 cell membrane chromatography /C18/ time-of-flight mass spectrometry for screening selective GPC3 inhibitor components from <i>Scutellariae Radix</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1163, 122492.	2.3	7
7	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>Pyrrosia calvata</i> (Bak.) Ching against crystal-induced kidney injury. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 195, 113825.	2.8	11
8	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
9	Optimization of pretreatment methods for cerebrospinal fluid metabolomics based on ultrahigh performance liquid chromatography/mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 197, 113938.	2.8	7
10	Non-target metabolomic analysis reveals the therapeutic effect of <i>Saposhnikovia divaricata</i> decoction on collagen-induced arthritis rats. <i>Journal of Ethnopharmacology</i> , 2021, 271, 113837.	4.1	9
11	Mangiferin enhances the antifungal activities of caspofungin by destroying polyamine accumulation. <i>Virulence</i> , 2021, 12, 217-230.	4.4	8
12	Rapid analysis of <i>Saposhnikovia divaricata</i> decoction metabolism in rats by UHPLC-QTOFMS and multivariate statistical analysis. <i>Biomedical Chromatography</i> , 2020, 34, e4778.	1.7	5
13	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
14	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
15	Chemogenomics analysis of drug targets for the treatment of acute promyelocytic leukemia. <i>Annals of Hematology</i> , 2020, 99, 753-763.	1.8	1
16	Metabolic responses of BV-2 cells to puerarin on its polarization using ultra-performance liquid chromatography-mass spectrometry. <i>Biomedical Chromatography</i> , 2020, 34, e4796.	1.7	2
17	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
18	Cardioprotective mechanisms of salvianic acid A sodium in rats with myocardial infarction based on proteome and transcriptome analysis. <i>Acta Pharmacologica Sinica</i> , 2019, 40, 1513-1522.	6.1	10

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19	Metabonomics on <i>Candida albicans</i> indicate the excessive H3K56ac is involved in the antifungal activity of Shikonin. <i>Emerging Microbes and Infections</i> , 2019, 8, 1243-1253.	6.5	11
20	Metabolomic study of the protective effect of Gandi capsule for diabetic nephropathy. <i>Chemico-Biological Interactions</i> , 2019, 314, 108815.	4.0	28
21	Cardioprotective mechanism study of salvianic acid A sodium based on a proteome microarray approach and metabolomic profiling of rat serum after myocardial infarction. <i>Molecular Omics</i> , 2019, 15, 271-279.	2.8	6
22	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
23	Effect of Nicotinamide Against <i>Candida albicans</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 595.	3.5	21
24	Comparative two-dimensional HepG2 and LO2/ cell membrane chromatography/ C18/ time-of-flight mass spectrometry for screening selective anti-hepatoma components from <i>Scutellariae Radix</i> . <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 164, 550-556.	2.8	19
25	A distinct glycerophospholipid metabolism signature of acute graft versus host disease with predictive value. <i>JCI Insight</i> , 2019, 4, .	5.0	14
26	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
27	A method for screening active components from Chinese herbs by cell membrane chromatography-offline-high performance liquid chromatography/mass spectrometry and an online statistical tool for data processing. <i>Journal of Chromatography A</i> , 2018, 1540, 68-76.	3.7	21
28	Comprehensive two-dimensional APTES-decorated MCF7-cell membrane chromatographic system for characterizing potential anti-breast-cancer components from Yuanhuâ€œBaizhi herbal medicine pair. <i>Journal of Food and Drug Analysis</i> , 2018, 26, 823-833.	1.9	17
29	Metabolic profiles revealed anti-ischemia-reperfusion injury of Yangxinshi tablet in Rats. <i>Journal of Ethnopharmacology</i> , 2018, 214, 124-133.	4.1	12
30	Salvianic acid A sodium protects HUVEC cells against tert -butyl hydroperoxide induced oxidative injury via mitochondria-dependent pathway. <i>Chemico-Biological Interactions</i> , 2018, 279, 234-242.	4.0	18
31	Development and Application of an UHPLC-MS/MS Method for Comparative Pharmacokinetic Study of Eight Major Bioactive Components from Yin Chen Hao Tang in Normal and Acute Liver Injured Rats. <i>Evidence-based Complementary and Alternative Medicine</i> , 2018, 2018, 1-12.	1.2	4
32	Simulation Strategies for Characterizing Phosphodiesterase-5 Inhibitors in Botanical Dietary Supplements. <i>Analytical Chemistry</i> , 2018, 90, 10765-10770.	6.5	6
33	Biosensor-Based Active Ingredients Recognition System for Screening STAT3 Ligands from Medical Herbs. <i>Analytical Chemistry</i> , 2018, 90, 8936-8945.	6.5	29
34	UPLC-QTOF MS-Based Serum Metabolomic Profiling Analysis Reveals the Molecular Perturbations Underlying Uremic Pruritus. <i>BioMed Research International</i> , 2018, 2018, 1-7.	1.9	9
35	The Active Components of Fuzheng Huayu Formula and Their Potential Mechanism of Action in Inhibiting the Hepatic Stellate Cells Viability â€œ A Network Pharmacology and Transcriptomics Approach. <i>Frontiers in Pharmacology</i> , 2018, 9, 525.	3.5	22
36	Combination of comprehensive two-dimensional prostate cancer cell membrane chromatographic system and network pharmacology for characterizing membrane binding active components from <i>Radix et Rhizoma Rhei</i> and their targets. <i>Journal of Chromatography A</i> , 2018, 1564, 145-154.	3.7	15

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37	Metabolomic profiling for the identification of potential biomarkers involved in a laboratory azole resistance in <i>Candida albicans</i> . <i>PLoS ONE</i> , 2018, 13, e0192328.	2.5	26
38	Effect of processing on the alkaloids in <i>Aconitum</i> tubers by HPLC-TOF/MS. <i>Journal of Pharmaceutical Analysis</i> , 2017, 7, 170-175.	5.3	28
39	Target Identification of Kinase Inhibitor Alisertib (MLN8237) by Using DNA-Programmed Affinity Labeling. <i>Chemistry - A European Journal</i> , 2017, 23, 10906-10914.	3.3	26
40	A metabolomics approach for predicting the response to intravenous iron therapy in peritoneal dialysis patients with anemia. <i>RSC Advances</i> , 2017, 7, 1915-1922.	3.6	3
41	Metabolic profiles revealed synergistically antidepressant effects of lilies and <i>Rhizoma Anemarrhenae</i> in a rat model of depression. <i>Biomedical Chromatography</i> , 2017, 31, e3923.	1.7	15
42	Lysine enhances the effect of amphotericin B against <i>Candida albicans</i> in vitro. <i>Acta Biochimica Et Biophysica Sinica</i> , 2016, 48, 182-193.	2.0	12
43	A novel strategy of profiling the mechanism of herbal medicines by combining network pharmacology with plasma concentration determination and affinity constant measurement. <i>Molecular BioSystems</i> , 2016, 12, 3347-3356.	2.9	22
44	Endogenous nitric oxide accumulation is involved in the antifungal activity of Shikonin against <i>Candida albicans</i> . <i>Emerging Microbes and Infections</i> , 2016, 5, 1-6.	6.5	19
45	A permeation cup method for screening packaging materials for fragrance preservation in Chinese medicine. <i>Analytical Methods</i> , 2016, 8, 7387-7395.	2.7	3
46	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
47	Drug target identification using network analysis: Taking active components in Sini decoction as an example. <i>Scientific Reports</i> , 2016, 6, 24245.	3.3	54
48	Cardiovascular Disease Chemogenomics Knowledgebase-guided Target Identification and Drug Synergy Mechanism Study of an Herbal Formula. <i>Scientific Reports</i> , 2016, 6, 33963.	3.3	32
49	Identification of a ligand for tumor necrosis factor receptor from Chinese herbs by combination of surface plasmon resonance biosensor and UPLC-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 5359-5367.	3.7	32
50	On-line comprehensive two-dimensional HepG2 cell membrane chromatographic analysis system for charactering anti-hepatoma components from rat serum after oral administration of <i>Radix scutellariae</i> : A strategy for rapid screening active compounds in vivo. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 118, 27-33.	2.8	37
51	Activity ranking of synthetic analogs targeting vascular endothelial growth factor receptor 2 by an integrated cell membrane chromatography system. <i>Journal of Separation Science</i> , 2015, 38, 4159-4165.	2.5	10
52	Evidence for Chronic Kidney Disease-Mineral and Bone Disorder Associated With Metabolic Pathway Changes. <i>Medicine (United States)</i> , 2015, 94, e1273.	1.0	18
53	Development and validation of liquid chromatography-tandem mass spectrometry method for simultaneous determination of six steroidal saponins in rat plasma and its application to a pharmacokinetics study. <i>Steroids</i> , 2015, 96, 21-29.	1.8	15
54	Assessment of the hemolysis and endothelial cell cytotoxicity induced by residual linear alkylbenzene sulfonates on pharmaceutical rubber stoppers based on HPLC-ESI-MS. <i>Biomedical Chromatography</i> , 2015, 29, 1350-1355.	1.7	2

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55	Biopharmaceutical and pharmacokinetic characterization of asiatic acid in <i>Centella asiatica</i> as determined by a sensitive and robust HPLC-MS method. <i>Journal of Ethnopharmacology</i> , 2015, 163, 31-38.	4.1	43
56	Lipidomic profiling reveals significant alterations in lipid biochemistry in hypothyroid rat cerebellum and the therapeutic effects of Sini decoction. <i>Journal of Ethnopharmacology</i> , 2015, 159, 262-273.	4.1	13
57	Enhancement of the antibiofilm activity of amphotericin B by polyamine biosynthesis inhibitors. <i>International Journal of Antimicrobial Agents</i> , 2015, 46, 45-52.	2.5	18
58	Comparative pharmacokinetics of three monoester-diterpenoid alkaloids after oral administration of <i>Aconitum carmichaeli</i> extract and its compatibility with other herbal medicines in Sini Decoction to rats. <i>Biomedical Chromatography</i> , 2015, 29, 1076-1083.	1.7	18
59	Characterization of Nucleotides and Nucleotide Sugars in <i>Candida albicans</i> by High Performance Liquid Chromatography-Mass Spectrometry with a Porous Graphite Carbon Column. <i>Analytical Letters</i> , 2014, 47, 234-249.	1.8	4
60	Quality improvements of cell membrane chromatographic column. <i>Journal of Chromatography A</i> , 2014, 1359, 330-335.	3.7	38
61	Absorption and metabolism of three monoester-diterpenoid alkaloids in <i>Aconitum carmichaeli</i> after oral administration to rats by HPLC-MS. <i>Journal of Ethnopharmacology</i> , 2014, 154, 645-652.	4.1	23
62	UPLC-Q-TOF/MS based metabolomic profiling of serum and urine of hyperlipidemic rats induced by high fat diet. <i>Journal of Pharmaceutical Analysis</i> , 2014, 4, 360-367.	5.3	36
63	Time Course Analysis of <i>Candida albicans</i> Metabolites during Biofilm Development. <i>Journal of Proteome Research</i> , 2013, 12, 2375-2385.	3.7	56
64	Comprehensive two-dimensional HepG2/cell membrane chromatography/monolithic column/time-of-flight mass spectrometry system for screening anti-tumor components from herbal medicines. <i>Journal of Chromatography A</i> , 2012, 1242, 67-74.	3.7	85
65	Comparative analysis of essential oils found in Rhizomes <i>Curcumae</i> and Radix <i>Curcumae</i> by gas chromatography-mass spectrometry. <i>Journal of Pharmaceutical Analysis</i> , 2011, 1, 203-207.	5.3	17
66	Liquid chromatography coupled with time-of-flight and ion trap mass spectrometry for qualitative analysis of herbal medicines. <i>Journal of Pharmaceutical Analysis</i> , 2011, 1, 235-245.	5.3	47
67	Metabolite target analysis of isoprenoid pathway in <i>Saccharomyces cerevisiae</i> in response to genetic modification by GC-SIM-MS coupled with chemometrics. <i>Metabolomics</i> , 2011, 7, 134-146.	3.0	13
68	An Optimized Ion-Pair HPLC Method for Simultaneous Analysis of Nucleoside Triphosphate Levels in Hepatoma Cell Line. <i>Chromatographia</i> , 2011, 73, 755-759.	1.3	8
69	Enantioseparation of the New Antifungal Drug Iodiconazole and Structurally Related Triadimenol Analogues by CE with Neutral Cyclodextrin Additives. <i>Chromatographia</i> , 2011, 73, 1009-1014.	1.3	13
70	Urinary Metabolites of Isoliquiritigenin in Wistar Rats using UHPLC-TOF-MS-based Xenometabolomics. <i>Chromatographia</i> , 2011, 74, 341-348.	1.3	11
71	Identification of multiple components in <i>Guanxinning</i> injection using hydrophilic interaction liquid chromatography/time-of-flight mass spectrometry and reversed-phase liquid chromatography/time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 1661-1674.	1.5	46
72	Comparative pharmacokinetics of baicalin and wogonoside by liquid chromatography-mass spectrometry after oral administration of Xiaochaihu Tang and Radix <i>scutellariae</i> extract to rats. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 2184-2190.	2.3	78

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73	LC Separation and Determination of Five Diester-Diterpenoid Alkaloids in the Unprocessed and Processed Aconite Roots. <i>Chromatographia</i> , 2008, 67, 1003-1006.	1.3	3
74	Rapid and Accurate Analytical Method for the Determination of Gingerols in Three Medicinal Gingers (<i>Zingiber officinale</i> Roscoe) by High Performance Liquid Chromatography. <i>Analytical Letters</i> , 2008, 41, 1732-1741.	1.8	15
75	Rapid separation and identification of phenolic and diterpenoid constituents from <i>Radix Salvia miltiorrhizae</i> by high-performance liquid chromatography diode-array detection, electrospray ionization time-of-flight mass spectrometry and electrospray ionization quadrupole ion trap mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 1855-1865.	1.5	113
76	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