Zhen-Yu Zhu

List of Publications by Year
in descending order

76	1,536	331670	377865
papers	citations	21 h-index	34 g-index

77	77	77	2168
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rapid separation and identification of phenolic and diterpenoid constituents from RadixSalvia miltiorrhizae by high-performance liquid chromatography diode-array detection, electrospray ionization time-of-flight mass spectrometry and electrospray ionization quadrupole ion trap mass spectrometry. Rapid Communications in Mass Spectrometry, 2007, 21, 1855-1865.	1.5	113
2	Comprehensive two-dimensional HepG2/cell membrane chromatography/monolithic column/time-of-flight mass spectrometry system for screening anti-tumor components from herbal medicines. Journal of Chromatography A, 2012, 1242, 67-74.	3.7	85
3	Comparative pharmacokinetics of baicalin and wogonoside by liquid chromatographyâ€“mass spectrometry after oral administration of Xiaochaihu Tang and Radix scutellariae extract to rats. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2010, 878, 2184-2190.	2.3	78
4	Time Course Analysis of Candida albicans Metabolites during Biofilm Development. Journal of Proteome Research, 2013, 12, 2375-2385.	3.7	56
5	Development of APTES-Decorated HepG2 Cancer Stem Cell Membrane Chromatography for Screening Active Components from Salvia miltiorrhiza. Analytical Chemistry, 2016, 88, 12081-12089.	6.5	56
6	Drug target identification using network analysis: Taking active components in Sini decoction as an example. Scientific Reports, 2016, 6, 24245.	3.3	54
7	Liquid chromatography coupled with time-of-flight and ion trap mass spectrometry for qualitative analysis of herbal medicines. Journal of Pharmaceutical Analysis, 2011, 1, 235-245.	5.3	47
8	Identification of multiple components in Guanxinning injection using hydrophilic interaction liquid chromatography/timeâ€ofâ€flight mass spectrometry and reversedâ€phase liquid chromatography/timeâ€ofâ€flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2011, 25, 1661-1674.	1.5	46
9	Biopharmaceutical and pharmacokinetic characterization of asiatic acid in Centella asiatica as determined by a sensitive and robust HPLCâ€“MS method. Journal of Ethnopharmacology, 2015, 163, 31-38.	4.1	43
10	Quality improvements of cell membrane chromatographic column. Journal of Chromatography A, 2014, 1359, 330-335.	3.7	38
11	On-line comprehensive two-dimensional HepG2 cell membrane chromatographic analysis system for charactering anti-hepatoma components from rat serum after oral administration of Radix scutellariae : A strategy for rapid screening active compounds in vivo. Journal of Pharmaceutical and Biomedical Analysis, 2016, 118, 27-33.	2.8	37
12	UPLC-Q-TOF/MS based metabolomic profiling of serum and urine of hyperlipidemic rats induced by high fat diet. Journal of Pharmaceutical Analysis, 2014, 4, 360-367.	5.3	36
13	Cardiovascular Disease Chemogenomics Knowledgebase-guided Target Identification and Drug Synergy Mechanism Study of an Herbal Formula. Scientific Reports, 2016, 6, 33963.	3.3	32
14	Identification of a ligand for tumor necrosis factor receptor from Chinese herbs by combination of surface plasmon resonance biosensor and UPLC-MS. Analytical and Bioanalytical Chemistry, 2016, 408, 5359-5367.	3.7	32
15	Biosensor-Based Active Ingredients Recognition System for Screening STAT3 Ligands from Medical Herbs. Analytical Chemistry, 2018, 90, 8936-8945.	6.5	29
16	Effect of processing on the alkaloids in Aconitum tubers by HPLC-TOF/MS. Journal of Pharmaceutical Analysis, 2017, 7, 170-175.	5.3	28
17	Metabolomic study of the protective effect of Gandi capsule for diabetic nephropathy. Chemico-Biological Interactions, 2019, 314, 108815.	4.0	28
18	Target Identification of Kinase Inhibitor Alisertib (MLN8237) by Using DNAâ€Programmed Affinity Labeling. Chemistry - A European Journal, 2017, 23, 10906-10914.	3.3	26

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19	Metabolomic profiling for the identification of potential biomarkers involved in a laboratory azole resistance in Candida albicans. PLoS ONE, 2018, 13, e0192328.	2.5	26
20	Effects of glaucocalyxin A on human liver cancer cells as revealed by GC/MS- and LC/MS-based metabolic profiling. Analytical and Bioanalytical Chemistry, 2018, 410, 3325-3335.	3.7	25
21	Absorption and metabolism of three monoester-diterpenoid alkaloids in Aconitum carmichaeli after oral administration to rats by HPLCâ€“MS. Journal of Ethnopharmacology, 2014, 154, 645-652.	4.1	23
22	A novel strategy of profiling the mechanism of herbal medicines by combining network pharmacology with plasma concentration determination and affinity constant measurement. Molecular BioSystems, 2016, 12, 3347-3356.	2.9	22
23	The Active Components of Fuzheng Huayu Formula and Their Potential Mechanism of Action in Inhibiting the Hepatic Stellate Cells Viability â€“ A Network Pharmacology and Transcriptomics Approach. Frontiers in Pharmacology, 2018, 9, 525.	3.5	22
24	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. Journal of Chromatography A, 2018, 1540, 68-76.	3.7	21
25	Effect of Nicotinamide Against Candida albicans. Frontiers in Microbiology, 2019, 10, 595.	3.5	21
26	Endogenous nitric oxide accumulation is involved in the antifungal activity of Shikonin againstCandida albicans. Emerging Microbes and Infections, 2016, 5, 1-6.	6.5	19
27	Comparative two-dimensional HepG2 and L02/ cell membrane chromatography/ C18/ time-of-flight mass spectrometry for screening selective anti-hepatoma components from Scutellariae Radix. Journal of Pharmaceutical and Biomedical Analysis, 2019, 164, 550-556.	2.8	19
28	Evidence for Chronic Kidney Disease-Mineral and Bone Disorder Associated With Metabolic Pathway Changes. Medicine (United States), 2015, 94, e1273.	1.0	18
29	Enhancement of the antibiofilm activity of amphotericin B by polyamine biosynthesis inhibitors. International Journal of Antimicrobial Agents, 2015, 46, 45-52.	2.5	18
30	Comparative pharmacokinetics of three monoesterâ€diterpenoid alkaloids after oral administration of Acontium carmichaeli extract and its compatibility with other herbal medicines in Sini Decoction to rats. Biomedical Chromatography, 2015, 29, 1076-1083.	1.7	18
31	Salvianic acid A sodium protects HUVEC cells against tert -butyl hydroperoxide induced oxidative injury via mitochondria-dependent pathway. Chemico-Biological Interactions, 2018, 279, 234-242.	4.0	18
32	Determination of the Active Metabolite of Prulifloxacin in Human Plasma by HPLC with Fluorescence Detection. Chromatographia, 2007, 66, 37-41.	1.3	17
33	Comparative analysis of essential oils found in Rhizomes Curcumae and Radix Curcumae by gas chromatographyâ€“mass spectrometry. Journal of Pharmaceutical Analysis, 2011, 1, 203-207.	5.3	17
34	Comprehensive two-dimensional APTES-decorated MCF7-cell membrane chromatographic system for characterizing potential anti-breast-cancer components from Yuanhuâ€“Baizhi herbal medicine pair. Journal of Food and Drug Analysis, 2018, 26, 823-833.	1.9	17
35	Surface Plasmon Resonance-Based Membrane Protein-Targeted Active Ingredients Recognition Strategy: Construction and Implementation in Ligand Screening from Herbal Medicines. Analytical Chemistry, 2020, 92, 3972-3980.	6.5	17
36	Rapid and Accurate Analytical Method for the Determination of Gingerols in Three Medicinal Gingers (Zingiber officinaleRoscoe) by High Performance Liquid Chromatography. Analytical Letters, 2008, 41, 1732-1741.	1.8	15

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37	Development and validation of liquid chromatographyâ€“tandem mass spectrometry method for simultaneous determination of six steroidal saponins in rat plasma and its application to a pharmacokinetics study. Steroids, 2015, 96, 21-29.	1.8	15
38	Metabolic profiles revealed synergistically antidepressant effects of lilies and Rhizoma Anemarrhenae in a rat model of depression. Biomedical Chromatography, 2017, 31, e3923.	1.7	15
39	Combination of comprehensive two-dimensional prostate cancer cell membrane chromatographic system and network pharmacology for characterizing membrane binding active components from Radix et Rhizoma Rhei and their targets. Journal of Chromatography A, 2018, 1564, 145-154.	3.7	15
40	A distinct glycerophospholipid metabolism signature of acute graft versus host disease with predictive value. JCI Insight, 2019, 4, .	5.0	14
41	Metabolite target analysis of isoprenoid pathway in Saccharomyces cerevisiae in response to genetic modification by GC-SIM-MS coupled with chemometrics. Metabolomics, 2011, 7, 134-146.	3.0	13
42	Enantioseparation of the New Antifungal Drug Iodiconazole and Structurally Related Triadimenol Analogues by CE with Neutral Cyclodextrin Additives. Chromatographia, 2011, 73, 1009-1014.	1.3	13
43	Lipidomic profiling reveals significant alterations in lipid biochemistry in hypothyroid rat cerebellum and the therapeutic effects of Sini decoction. Journal of Ethnopharmacology, 2015, 159, 262-273.	4.1	13
44	Lysine enhances the effect of amphotericin B against <italic>Candida albicans in vitro</italic>. Acta Biochimica Et Biophysica Sinica, 2016, 48, 182-193.	2.0	12
45	Metabolic profiles revealed anti-ischemia-reperfusion injury of Yangxinshi tablet in Rats. Journal of Ethnopharmacology, 2018, 214, 124-133.	4.1	12
46	Urinary Metabolites of Isoliquiritigenin in Wistar Rats using UHPLCâ€“TOFâ€“MS-based Xenometabolomics. Chromatographia, 2011, 74, 341-348.	1.3	11
47	Metabonomics on Candida albicans indicate the excessive H3K56ac is involved in the antifungal activity of Shikonin. Emerging Microbes and Infections, 2019, 8, 1243-1253.	6.5	11
48	A stop-flow comprehensive two-dimensional HK-2 and HK-2/CIKI cell membrane chromatography comparative analysis system for screening the active ingredients from Pyrrosia calvata (Bak.) Ching against crystal-induced kidney injury. Journal of Pharmaceutical and Biomedical Analysis, 2021, 195, 113825.	2.8	11
49	Screening potential P-glycoprotein inhibitors by combination of a detergent-free membrane protein extraction with surface plasmon resonance biosensor. Acta Pharmaceutica Sinica B, 2022, 12, 3113-3123.	12.0	11
50	Activity ranking of synthetic analogs targeting vascular endothelial growth factor receptor 2 by an integrated cell membrane chromatography system. Journal of Separation Science, 2015, 38, 4159-4165.	2.5	10
51	Cardioprotective mechanisms of salvianic acid A sodium in rats with myocardial infarction based on proteome and transcriptome analysis. Acta Pharmacologica Sinica, 2019, 40, 1513-1522.	6.1	10
52	UPLC-QTOF MS-Based Serum Metabolomic Profiling Analysis Reveals the Molecular Perturbations Underlying Uremic Pruritus. BioMed Research International, 2018, 2018, 1-7.	1.9	9
53	Covalent Design of Cell Membrane Stationary Phase with Enhanced Stability for Fast Screening P-Glycoprotein Inhibitors. ACS Applied Bio Materials, 2020, 3, 5000-5006.	4.6	9
54	Non-target metabolomic analysis reveals the therapeutic effect of Saposhnikovia divaricata decoction on collagen-induced arthritis rats. Journal of Ethnopharmacology, 2021, 271, 113837.	4.1	9

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55	An Optimized Ion-Pair HPLC Method for Simultaneous Analysis of Nucleoside Triphosphate Levels in Hepatoma Cell Line. Chromatographia, 2011, 73, 755-759.	1.3	8
56	Mangiferin enhances the antifungal activities of caspofungin by destroying polyamine accumulation. Virulence, 2021, 12, 217-230.	4.4	8
57	Identification of eupatilin and ginkgolide B as p38 ligands from medicinal herbs by surface plasmon resonance biosensor-based active ingredients recognition system. Journal of Pharmaceutical and Biomedical Analysis, 2019, 171, 35-42.	2.8	7
58	Comparative two-dimensional GPC3 overexpressing SK-Hep1 cell membrane chromatography /C18/ time-of-flight mass spectrometry for screening selective GPC3 inhibitor components from Scutellariae Radix. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2021, 1163, 122492.	2.3	7
59	Optimization of pretreatment methods for cerebrospinal fluid metabolomics based on ultrahigh performance liquid chromatography/mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2021, 197, 113938.	2.8	7
60	Simulation Strategies for Characterizing Phosphodiesterase-5 Inhibitors in Botanical Dietary Supplements. Analytical Chemistry, 2018, 90, 10765-10770.	6.5	6
61	Cardioprotective mechanism study of salvianic acid A sodium based on a proteome microarray approach and metabolomic profiling of rat serum after myocardial infarction. Molecular Omics, 2019, 15, 271-279.	2.8	6
62	Nuclear magnetic resonance-based plasma metabolomics revealed the protective effect of tea polyphenols on sulfur mustard-induced injury in rats. Journal of Pharmaceutical and Biomedical Analysis, 2020, 186, 113278.	2.8	6
63	Surface plasmon resonance biosensor combined with lentiviral particle stabilization strategy for rapid and specific screening of P-Glycoprotein ligands. Analytical and Bioanalytical Chemistry, 2021, 413, 2021-2031.	3.7	6
64	In situ synthesis and unidirectional insertion of membrane proteins in liposome-immobilized silica stationary phase for rapid preparation of microaffinity chromatography. Acta Pharmaceutica Sinica B, 2022, 12, 3682-3693.	12.0	6
65	Screening of immune cell activators from Astragali Radix using a comprehensive two-dimensional NK-92MI cell membrane chromatography/C18 column/time-of-flight mass spectrometry system. Journal of Pharmaceutical Analysis, 2022, 12, 725-732.	5.3	6
66	Rapid analysis of Saposhnikovia divaricate decoction metabolism in rats by UHPLCâ€“Qâ€TOFMS and multivariate statistical analysis. Biomedical Chromatography, 2020, 34, e4778.	1.7	5
67	Characterization of Nucleotides and Nucleotide Sugars in‹i›Candida albicans‹/i›by High Performance Liquid Chromatographyâ€“Mass Spectrometry with a Porous Graphite Carbon Column. Analytical Letters, 2014, 47, 234-249.	1.8	4
68	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. Evidence-based Complementary and Alternative Medicine, 2018, 2018, 1-12.	1.2	4
69	Development of a surface plasmon resonance biosensor for accurate and sensitive quantitation of small molecules in blood samples. Journal of Pharmaceutical Analysis, 2022, 12, 929-936.	5.3	4
70	LC Separation and Determination of Five Diester-Diterpenoid Alkaloids in the Unprocessed and Processed Aconite Roots. Chromatographia, 2008, 67, 1003-1006.	1.3	3
71	A permeation cup method for screening packaging materials for fragrance preservation in Chinese medicine. Analytical Methods, 2016, 8, 7387-7395.	2.7	3
72	A metabolomics approach for predicting the response to intravenous iron therapy in peritoneal dialysis patients with anemia. RSC Advances, 2017, 7, 1915-1922.	3.6	3

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73	Assessment of the hemolysis and endothelial cell cytotoxicity induced by residual linear alkylbenzene sulfonates on pharmaceutical rubber stoppers based on HPLCâ€ESIâ€MS. Biomedical Chromatography, 2015, 29, 1350-1355.	1.7	2
74	Metabolic responses of BVâ€2 cells to puerarin on its polarization using ultraâ€performance liquid chromatographyâ€“mass spectrometry. Biomedical Chromatography, 2020, 34, e4796.	1.7	2
75	Chemogenomics analysis of drug targets for the treatment of acute promyelocytic leukemia. Annals of Hematology, 2020, 99, 753-763.	1.8	1
76	Lipophilic Constituents in Salvia miltiorrhiza Inhibit Activation of the Hepatic Stellate Cells by Suppressing the JAK1/STAT3 Signaling Pathway: A Network Pharmacology Study and Experimental Validation. Frontiers in Pharmacology, 2022, 13, 770344.	3.5	1