

# Jing Zhao

## List of Publications by Year in descending order

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85  
papers

2,779  
citations

159585

30  
h-index

197818

49  
g-index

87  
all docs

87  
docs citations

87  
times ranked

4003  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced extraction of bioactive natural products using tailor-made deep eutectic solvents: application to flavonoid extraction from Flos sophorae. <i>Green Chemistry</i> , 2015, 17, 1718-1727.	9.0	361
2	Green and efficient extraction of four bioactive flavonoids from Pollen Typhae by ultrasound-assisted deep eutectic solvents extraction. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 161, 246-253.	2.8	116
3	Hydrogen sulfide reduces serum triglyceride by activating liver autophagy via the AMPK-mTOR pathway. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 309, E925-E935.	3.5	107
4	Fabrication of an ionic-sensitive in situ gel loaded with resveratrol nanosuspensions intended for direct nose-to-brain delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 147, 376-386.	5.0	106
5	Highly efficient extraction of anthocyanins from grape skin using deep eutectic solvents as green and tunable media. <i>Archives of Pharmacal Research</i> , 2015, 38, 2143-2152.	6.3	100
6	A cost-effective method to prepare curcumin nanosuspensions with enhanced oral bioavailability. <i>Journal of Colloid and Interface Science</i> , 2017, 485, 91-98.	9.4	81
7	Synergistic Mechanisms of Constituents in Herbal Extracts during Intestinal Absorption: Focus on Natural Occurring Nanoparticles. <i>Pharmaceutics</i> , 2020, 12, 128.	4.5	77
8	Ultrasound-assisted deep eutectic solvent as green and efficient media combined with functionalized magnetic multi-walled carbon nanotubes as solid-phase extraction to determine pesticide residues in food products. <i>Food Chemistry</i> , 2020, 310, 125863.	8.2	73
9	Exploring polyvinylpyrrolidone in the engineering of large porous PLGA microparticles via single emulsion method with tunable sustained release in the lung: In vitro and in vivo characterization. <i>Journal of Controlled Release</i> , 2017, 249, 11-22.	9.9	65
10	Nanocrystals embedded in chitosan-based respirable swellable microparticles as dry powder for sustained pulmonary drug delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 99, 137-146.	4.0	63
11	Therapeutic Effects of Astragaloside IV on Myocardial Injuries: Multi-Target Identification and Network Analysis. <i>PLoS ONE</i> , 2012, 7, e44938.	2.5	62
12	BDNF-mediate Down-regulation of MicroRNA-195 Inhibits Ischemic Cardiac Apoptosis in Rats. <i>International Journal of Biological Sciences</i> , 2016, 12, 979-989.	6.4	61
13	Metabolomic identification of biochemical changes induced by fluoxetine and imipramine in a chronic mild stress mouse model of depression. <i>Scientific Reports</i> , 2015, 5, 8890.	3.3	59
14	Brain-Derived Neurotrophic Factor Regulates TRPC3/6 Channels and Protects Against Myocardial Infarction in Rodents. <i>International Journal of Biological Sciences</i> , 2015, 11, 536-545.	6.4	58
15	Protective effect of myricetin in dextran sulphate sodium-induced murine ulcerative colitis. <i>Molecular Medicine Reports</i> , 2013, 7, 565-570.	2.4	54
16	Eco-friendly ultrasonic assisted liquid-liquid microextraction method based on hydrophobic deep eutectic solvent for the determination of sulfonamides in fruit juices. <i>Journal of Chromatography A</i> , 2020, 1609, 460520.	3.7	53
17	Simultaneous enantiomeric analysis of eight pesticides in soils and river sediments by chiral liquid chromatography-tandem mass spectrometry. <i>Chemosphere</i> , 2018, 204, 210-219.	8.2	52
18	Soluplus/TPGS mixed micelles for dioscin delivery in cancer therapy. <i>Drug Development and Industrial Pharmacy</i> , 2017, 43, 1197-1204.	2.0	46

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19	Autophagy exacerbates electrical remodeling in atrial fibrillation by ubiquitin-dependent degradation of L-type calcium channel. <i>Cell Death and Disease</i> , 2018, 9, 873.	6.3	45
20	Development and evaluation of a novel drug delivery: Soluplus <sup>®</sup> /TPGS mixed micelles loaded with piperine <i>in vitro</i> and <i>in vivo</i> . <i>Drug Development and Industrial Pharmacy</i> , 2018, 44, 1409-1416.	2.0	42
21	Neutrophils, as “Trojan horses”, participate in the delivery of therapeutic PLGA nanoparticles into a tumor based on the chemotactic effect. <i>Drug Delivery</i> , 2020, 27, 1-14.	5.7	42
22	Brain-derived neurotrophic factor attenuates doxorubicin-induced cardiac dysfunction through activating Akt signalling in rats. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 685-696.	3.6	40
23	Effects of extraction methods on immunology activity and chemical profiles of <i>Lycium barbarum</i> polysaccharides. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 185, 113219.	2.8	40
24	Chronic obstructive sleep apnea causes atrial remodeling in canines: mechanisms and implications. <i>Basic Research in Cardiology</i> , 2014, 109, 427.	5.9	39
25	Design, synthesis, and <i>in vitro</i> evaluation of novel antifungal triazoles. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 2171-2173.	2.2	38
26	The different response of cardiomyocytes and cardiac fibroblasts to mitochondria inhibition and the underlying role of STAT3. <i>Basic Research in Cardiology</i> , 2019, 114, 12.	5.9	38
27	Ultrasound-assisted emulsification liquid phase microextraction method based on deep eutectic solvent as extraction solvent for determination of five pesticides in traditional Chinese medicine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 166, 213-221.	2.8	36
28	2,3,5,4-tetrahydroxystilbene-2-O- $\beta$ -D-glucoside protects human umbilical vein endothelial cells against lysophosphatidylcholine-induced apoptosis by upregulating superoxide dismutase and glutathione peroxidase. <i>IUBMB Life</i> , 2014, 66, 711-722.	3.4	35
29	Activation of cardiac TrkB receptor by its small molecular agonist 7,8-dihydroxyflavone inhibits doxorubicin-induced cardiotoxicity via enhancing mitochondrial oxidative phosphorylation. <i>Free Radical Biology and Medicine</i> , 2019, 130, 557-567.	2.9	33
30	Functionalization of a SiO <sub>2</sub> -coated magnetic graphene oxide composite with polyaniline-polypyrrole for magnetic solid phase extraction of ultra-trace Cr(III) and Pb(II) in water and food samples using a Box-Behnken design. <i>New Journal of Chemistry</i> , 2019, 43, 12126-12136.	2.8	32
31	Brain-derived neurotrophic factor mimetic, 7,8-dihydroxyflavone, protects against myocardial ischemia by rebalancing optic atrophy 1 processing. <i>Free Radical Biology and Medicine</i> , 2019, 145, 187-197.	2.9	31
32	Sustained therapeutic efficacy of budesonide-loaded chitosan swellable microparticles after lung delivery: Influence of <i>in vitro</i> release, treatment interval and dose. <i>Journal of Controlled Release</i> , 2018, 283, 163-174.	9.9	30
33	Characterizations of mitochondrial uncoupling induced by chemical mitochondrial uncouplers in cardiomyocytes. <i>Free Radical Biology and Medicine</i> , 2018, 124, 288-298.	2.9	29
34	Metoprolol prevents chronic obstructive sleep apnea-induced atrial fibrillation by inhibiting structural, sympathetic nervous and metabolic remodeling of the atria. <i>Scientific Reports</i> , 2017, 7, 14941.	3.3	27
35	Elucidating inhaled liposome surface charge on its interaction with biological barriers in the lung. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2022, 172, 101-111.	4.3	27
36	Diosgenin attenuates the brain injury induced by transient focal cerebral ischemia-reperfusion in rats. <i>Steroids</i> , 2016, 113, 103-112.	1.8	26

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37	A comprehensive metabolomics investigation of hippocampus, serum, and feces affected by chronic fluoxetine treatment using the chronic unpredictable mild stress mouse model of depression. <i>Scientific Reports</i> , 2019, 9, 7566.	3.3	26
38	Fabrication and characterization of magnetic molecularly imprinted polymer based on deep eutectic solvent for specific recognition and quantification of vanillin in infant complementary food. <i>Food Chemistry</i> , 2022, 374, 131720.	8.2	25
39	<scp>TSG</scp> attenuates <scp>LPC</scp>-induced endothelial cells inflammatory damage through notch signaling inhibition. <i>IUBMB Life</i> , 2016, 68, 37-50.	3.4	24
40	Exploring the influence of inhaled liposome membrane fluidity on its interaction with pulmonary physiological barriers. <i>Biomaterials Science</i> , 2020, 8, 6786-6797.	5.4	24
41	Ultrasound-assisted deep eutectic solvent as green and efficient media for the extraction of flavonoids from <i>Radix scutellariae</i> . <i>New Journal of Chemistry</i> , 2019, 43, 644-650.	2.8	23
42	The Emerging Role of BDNF/TrkB Signaling in Cardiovascular Diseases. <i>Life</i> , 2021, 11, 70.	2.4	23
43	Increased Drp1 promotes autophagy and ESCC progression by mtDNA stress mediated cGAS-STING pathway. <i>Journal of Experimental and Clinical Cancer Research</i> , 2022, 41, 76.	8.6	22
44	Deep eutectic solvent combined with ultrasound-assisted extraction as high efficient extractive media for extraction and quality evaluation of <i>Herba Epimedii</i> . <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 185, 113228.	2.8	21
45	Autophagy: A potential novel mechanistic contributor to atrial fibrillation. <i>International Journal of Cardiology</i> , 2014, 172, 492-494.	1.7	20
46	A novel magnetic multi-walled carbon nanotube-based magnetic solid-phase extraction combined with dispersive liquid-liquid microextraction method for the determination of four phenoxy carboxylic acid herbicides in food crops by using ultra-high performance liquid chromatography-tandem mass spectrometry. <i>Analytical Methods</i> , 2018, 10, 3263-3272.	2.7	19
47	Comprehensive Investigation of the Effects of Brewing Conditions in Sample Preparation of Green Tea Infusions. <i>Molecules</i> , 2019, 24, 1735.	3.8	18
48	Chronic obstructive sleep apnea promotes aortic remodeling in canines through miR-145/Smad3 signaling pathway. <i>Oncotarget</i> , 2017, 8, 37705-37716.	1.8	18
49	Proliferation of rat cardiac stem cells is induced by 2, 3, 5, 4'-tetrahydroxystilbene-2-O- $\beta$ -D-glucoside in vitro. <i>Life Sciences</i> , 2015, 132, 68-76.	4.3	17
50	<sup>1</sup> H-NMR-based urinary metabolomic analysis for the preventive effects of gushudan on glucocorticoid-induced osteoporosis rats. <i>Analytical Biochemistry</i> , 2020, 610, 113992.	2.4	17
51	Inhibitory effects of Shenkang injection and its main component emodin on the proliferation of high glucose-induced renal mesangial cells through cell cycle regulation and induction of apoptosis. <i>Molecular Medicine Reports</i> , 2016, 14, 3381-3388.	2.4	16
52	Determination of enantiomeric vigabatrin by derivatization with diacetyl-L-tartaric anhydride followed by ultra-high performance liquid chromatography-quadrupole-time-of-flight mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1040, 199-207.	2.3	16
53	Deep eutectic solvent-based magnetic colloidal gel assisted magnetic solid-phase extraction: A simple and rapid method for the determination of sex hormones in cosmetic skin care toners. <i>Chemosphere</i> , 2020, 255, 127004.	8.2	16
54	Dihydroartemisinin and doxorubicin co-loaded Soluplus <sup>®</sup> -TPGS mixed micelles: formulation characterization, cellular uptake, and pharmacodynamic studies. <i>Pharmaceutical Development and Technology</i> , 2019, 24, 1125-1132.	2.4	14

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55	Efficient extraction and determination of prenylflavonol glycosides in <i>Epimedium pubescens</i> Maxim. using deep eutectic solvents. <i>Phytochemical Analysis</i> , 2020, 31, 375-383.	2.4	14
56	Multi-class determination of steroid hormones and antibiotics in fatty hotpot ingredients by pressurized liquid extraction and liquid chromatography-tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 171, 193-203.	2.8	13
57	Integrated metabolomic analysis for intervention effects of Gushudan on glucocorticoid-induced osteoporotic rat plasma based on RP/HILIC-UHPLC-Q-Orbitrap HRMS. <i>Analytical Biochemistry</i> , 2020, 591, 113559.	2.4	13
58	Phospholipase C $\beta$ 2 signalling contributes to the haemostatic effect of Notoginsenoside Ft1. <i>Journal of Pharmacy and Pharmacology</i> , 2019, 71, 878-886.	2.4	12
59	Synthesis and Biological Evaluation of Novel $\alpha$ -Aminonicotinamide Derivatives as Antifungal Agents. <i>ChemMedChem</i> , 2017, 12, 319-326.	3.2	10
60	Integrated renal metabolomic and metallomic profiling revealed protective effect and metabolic mechanism of Gushudan on glucocorticoid-induced osteoporotic rat based on GC-MS and ICP-MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 193, 113705.	2.8	10
61	A Simple, Rapid and Reliable Method to Determine Imipramine and Desipramine in Mouse Serum Using Ultra-High-Performance Liquid Chromatography-Quadrupole-Time-of-Flight Mass Spectrometry. <i>Journal of Chromatographic Science</i> , 2016, 54, 561-568.	1.4	9
62	A simple and reliable analytical method based on HPLC-UV to determine oleanonic acid content in Chios gum mastic for quality control. <i>Archives of Pharmacal Research</i> , 2017, 40, 49-56.	6.3	9
63	Metoprolol prevents neuronal dendrite remodeling in a canine model of chronic obstructive sleep apnea. <i>Acta Pharmacologica Sinica</i> , 2020, 41, 620-628.	6.1	8
64	Investigation of pathogenesis and therapeutic targets of acute myeloid leukemia based on untargeted plasma metabolomics and network pharmacology approach. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 195, 113824.	2.8	8
65	Increased Susceptibility of Atrial Fibrillation Induced by Hyperuricemia in Rats: Mechanisms and Implications. <i>Cardiovascular Toxicology</i> , 2021, 21, 192-205.	2.7	8
66	Quantitative determination of gracillin by HPLC-MS/MS after oral administration and its application to a pharmacokinetic study. <i>Steroids</i> , 2016, 113, 78-86.	1.8	7
67	The Inhibitory Effect of Rhein on Proliferation of High Glucose-induced Mesangial Cell Through Cell Cycle Regulation and Induction of Cell Apoptosis. <i>Pharmacognosy Magazine</i> , 2016, 12, 257.	0.6	7
68	Anthelmintic niclosamide attenuates pressure-overload induced heart failure in mice. <i>European Journal of Pharmacology</i> , 2021, 912, 174614.	3.5	7
69	Hydrophilic molecularly imprinted membranes based on GO-loading for simultaneously selective recognition and detection of three amphenicols drugs in pork and milk. <i>Food Chemistry</i> , 2022, 384, 132542.	8.2	7
70	Design, synthesis, and SAR study of 3-(benzo[d][1,3]dioxol-5-yl)-N-benzylpropanamide as novel potent synergists against fluconazole-resistant <i>Candida albicans</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 4571-4575.	2.2	6
71	Integrative metabolic profile of myelodysplastic syndrome based on UHPLC-MS. <i>Biomedical Chromatography</i> , 2021, 35, e5136.	1.7	6
72	<i>Schisandra chinensis</i> essential oil attenuates acetaminophen-induced liver injury through alleviating oxidative stress and activating autophagy. <i>Pharmaceutical Biology</i> , 2022, 60, 958-967.	2.9	6

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73	Valsartan inhibits transient receptor potential canonical-3 channel in canine atrial fibrillation. <i>International Journal of Cardiology</i> , 2013, 168, 4417-4418.	1.7	5
74	7,8-Dihydroxyflavone suppresses proliferation and induces apoptosis of human osteosarcoma cells. <i>Acta Biochimica Et Biophysica Sinica</i> , 2021, 53, 903-911.	2.0	5
75	Intra-Herb Interactions: Primary Metabolites in <i>Coptidis Rhizoma</i> Extract Improved the Pharmacokinetics of Oral Berberine Hydrochloride in Mice. <i>Frontiers in Pharmacology</i> , 2021, 12, 675368.	3.5	5
76	Cdc25C/cdc2/cyclin B, raf/MEK/ERK and PERK/eIF2 $\pm$ /CHOP pathways are involved in forskolin-induced growth inhibition of MM.1S cells by G2/M arrest and mitochondrion-dependent apoptosis. <i>Cell Cycle</i> , 2021, 20, 2402-2412.	2.6	4
77	The regulatory role of the BDNF/TrkB pathway in organ and tissue fibrosis. <i>Histology and Histopathology</i> , 2021, , 18368.	0.7	4
78	Indirect enantioseparation of fluoxetine in mouse serum by derivatization with 1 <i>R</i> -menthyl chloroformate followed by ultra high performance liquid chromatography and quadrupole time-of-flight mass spectrometry. <i>Journal of Separation Science</i> , 2016, 39, 1041-1049.	2.5	3
79	Development and Validation of an Analytical Method Readily Applicable for Quality Control of <i>Tabebuia impetiginosa</i> (Taheebo) Ethanolic Extract. <i>Journal of AOAC INTERNATIONAL</i> , 2018, 101, 695-700.	1.5	3
80	Structure-Based Site-Specific PEGylation of Fibroblast Growth Factor 2 Facilitates Rational Selection of Conjugate Sites. <i>Biotechnology Journal</i> , 2020, 15, 1900203.	3.5	3
81	The application of information technology in the hospital pharmacy management based on HIS. , 2012, , .		1
82	MicroRNAs: New players in pharmacotherapy for ischemic heart diseases?. <i>International Journal of Cardiology</i> , 2015, 185, 117-118.	1.7	1
83	Triterpenoids with Cytotoxicity from <i>Abelia engleriana</i> . <i>Chemistry of Natural Compounds</i> , 2021, 57, 1163-1166.	0.8	1
84	Effects of glycerol concentrations on the bioproduction of PGHX by <i>Agrobacterium HX1126</i> . <i>Preparative Biochemistry and Biotechnology</i> , 2019, 49, 584-589.	1.9	0
85	Letter by Hang and Zhao Regarding Article, "Cardiac Overexpression of PDE4B Blunts $\beta$ -Adrenergic Response and Maladaptive Remodeling in Heart Failure". <i>Circulation</i> , 2021, 143, e24-e25.	1.6	0