

Jian Zhang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

83
papers

1,046
citations

18
h-index

28
g-index

86
ext. papers

1,278
ext. citations

5
avg. IF

4.12
L-index

#	Paper	IF	Citations
83	Antihyperglycemic, antihyperlipidemic and antioxidant effects of ethanol and aqueous extracts of <i>Cyclocarya paliurus</i> leaves in type 2 diabetic rats. <i>Journal of Ethnopharmacology</i> , 2013 , 150, 1119-27	5	77
82	A dual-targeting anticancer approach: soil and seed principle. <i>Radiology</i> , 2011 , 260, 799-807	20.5	76
81	Cholesterol-lowering effects and potential mechanisms of different polar extracts from <i>Cyclocarya paliurus</i> leave in hyperlipidemic mice. <i>Journal of Ethnopharmacology</i> , 2015 , 176, 17-26	5	57
80	Antihyperlipidemic effect of <i>Cyclocarya paliurus</i> (Batal.) Iljinskaja extract and inhibition of apolipoprotein B48 overproduction in hyperlipidemic mice. <i>Journal of Ethnopharmacology</i> , 2015 , 166, 286-96	5	46
79	Sequential systemic administrations of combretastatin A4 Phosphate and radioiodinated hypericin exert synergistic targeted theranostic effects with prolonged survival on SCID mice carrying bifocal tumor xenografts. <i>Theranostics</i> , 2013 , 3, 127-37	12.1	45
78	Exploring theranostic potentials of radioiodinated hypericin in rodent necrosis models. <i>Theranostics</i> , 2012 , 2, 1010-9	12.1	41
77	<i>Cyclocarya paliurus</i> extract modulates adipokine expression and improves insulin sensitivity by inhibition of inflammation in mice. <i>Journal of Ethnopharmacology</i> , 2014 , 153, 344-51	5	37
76	Self [3 + 4] Cycloadditions of Isatin N, NSCyclic Azomethine Imine 1,3-Dipole with N-(o-Chloromethyl)aryl Amides. <i>Journal of Organic Chemistry</i> , 2018 , 83, 8410-8416	4.2	32
75	Evaluation of hypericin: effect of aggregation on targeting biodistribution. <i>Journal of Pharmaceutical Sciences</i> , 2015 , 104, 215-22	3.9	31
74	The chloroform extract of <i>Cyclocarya paliurus</i> attenuates high-fat diet induced non-alcoholic hepatic steatosis in Sprague Dawley rats. <i>Phytomedicine</i> , 2016 , 23, 1475-1483	6.5	25
73	<i>Paris polyphylla</i> Suppresses Proliferation and Vasculogenic Mimicry of Human Osteosarcoma Cells and Inhibits Tumor Growth In Vivo. <i>The American Journal of Chinese Medicine</i> , 2017 , 45, 575-598	6	24
72	Discovery of Radioiodinated Monomeric Anthraquinones as a Novel Class of Necrosis Avid Agents for Early Imaging of Necrotic Myocardium. <i>Scientific Reports</i> , 2016 , 6, 21341	4.9	23
71	<i>Cyclocarya paliurus</i> prevents high fat diet induced hyperlipidemia and obesity in Sprague-Dawley rats. <i>Canadian Journal of Physiology and Pharmacology</i> , 2015 , 93, 677-86	2.4	22
70	Triterpenic acids-enriched fraction from <i>Cyclocarya paliurus</i> attenuates insulin resistance and hepatic steatosis via PI3K/Akt/GSK3 β pathway. <i>Phytomedicine</i> , 2020 , 66, 153130	6.5	21
69	Necrosis targeted radiotherapy with iodine-131-labeled hypericin to improve anticancer efficacy of vascular disrupting treatment in rabbit VX2 tumor models. <i>Oncotarget</i> , 2015 , 6, 14247-59	3.3	20
68	Radiolabeled Rhein as Small-Molecule Necrosis Avid Agents for Imaging of Necrotic Myocardium. <i>Analytical Chemistry</i> , 2017 , 89, 1260-1266	7.8	19
67	Necrosis targeted combinational theragnostic approach using radioiodinated Sennidin A in rodent tumor models. <i>Oncotarget</i> , 2014 , 5, 2934-46	3.3	19

66	Base-mediated [2 + 4] cycloadditions of in situ formed azaoxyallyl cations with N-(2-chloromethyl)aryl amides. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 7336-7339	3.9	19
65	Necrosis affinity evaluation of ¹³¹ I-hypericin in a rat model of induced necrosis. <i>Journal of Drug Targeting</i> , 2013 , 21, 604-10	5.4	18
64	Synthesis and Preclinical Evaluation of Radioiodinated Hypericin Dicarboxylic Acid as a Necrosis Avid Agent in Rat Models of Induced Hepatic, Muscular, and Myocardial Necroses. <i>Molecular Pharmaceutics</i> , 2016 , 13, 232-40	5.6	17
63	Radioiodinated hypericin: its biodistribution, necrosis avidity and therapeutic efficacy are influenced by formulation. <i>Pharmaceutical Research</i> , 2014 , 31, 278-90	4.5	16
62	Radioiodinated hypericin disulfonic acid sodium salts as a DNA-binding probe for early imaging of necrotic myocardium. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017 , 117, 151-159	5.7	15
61	Updated developments on molecular imaging and therapeutic strategies directed against necrosis. <i>Acta Pharmaceutica Sinica B</i> , 2019 , 9, 455-468	15.5	15
60	Improvement of solubility and targetability of radioiodinated hypericin by using sodium cholate based solvent in rat models of necrosis. <i>Journal of Drug Targeting</i> , 2014 , 22, 304-12	5.4	14
59	DMAP-catalyzed alkylation of isatin N,N?-cyclic azomethine imine 1,3-dipoles with Morita-Baylis-Hillman carbonates. <i>New Journal of Chemistry</i> , 2018 , 42, 7025-7029	3.6	13
58	Combretastatin A4 phosphate treatment induces vasculogenic mimicry formation of W256 breast carcinoma tumor in vitro and in vivo. <i>Tumor Biology</i> , 2015 , 36, 8499-510	2.9	11
57	Radiopharmaceutical study on Iodine-131-labelled hypericin in a canine model of hepatic RFA-induced coagulative necrosis. <i>Radiologia Medica</i> , 2015 , 120, 213-21	6.5	11
56	Sodium cholate, a solubilizing agent for the necrosis avid radioiodinated hypericin in rabbits with acute myocardial infarction. <i>Drug Delivery</i> , 2015 , 22, 427-35	7	11
55	C21 steroidal glycosides from <i>Cynanchum stauntonii</i> induce apoptosis in HepG2 cells. <i>Steroids</i> , 2016 , 106, 55-61	2.8	11
54	Triterpenoids Improve Diabetes-Induced Hepatic Inflammation the Rho-Kinase-Dependent Pathway. <i>Frontiers in Pharmacology</i> , 2019 , 10, 811	5.6	11
53	Hypericin as a marker for determination of myocardial viability in a rat model of myocardial infarction. <i>Photochemistry and Photobiology</i> , 2014 , 90, 867-72	3.6	11
52	Synthesis and Biological Evaluation of Rhein-Based MRI Contrast Agents for in Vivo Visualization of Necrosis. <i>Analytical Chemistry</i> , 2018 , 90, 13249-13256	7.8	11
51	Radiopharmaceutical evaluation of (¹³¹ I)-protohypericin as a necrosis avid compound. <i>Journal of Drug Targeting</i> , 2015 , 23, 417-26	5.4	10
50	Imaging Cell Death: Focus on Early Evaluation of Tumor Response to Therapy. <i>Bioconjugate Chemistry</i> , 2020 , 31, 1025-1051	6.3	10
49	Synthesis and Evaluation of I-Skyrin as a Necrosis Avid Agent for Potential Targeted Radionuclide Therapy of Solid Tumors. <i>Molecular Pharmaceutics</i> , 2016 , 13, 180-189	5.6	10

48	Tumor necrosis targeted radiotherapy of non-small cell lung cancer using radioiodinated protohypericin in a mouse model. <i>Oncotarget</i> , 2015 , 6, 26400-10	3.3	10
47	Improved therapeutic outcomes of thermal ablation on rat orthotopic liver allograft sarcoma models by radioiodinated hypericin induced necrosis targeted radiotherapy. <i>Oncotarget</i> , 2016 , 7, 51450-51461	3.3	8
46	Synthesis and Evaluation of Ga-68-Labeled Rhein for Early Assessment of Treatment-Induced Tumor Necrosis. <i>Molecular Imaging and Biology</i> , 2020 , 22, 515-525	3.8	8
45	Novel F-Labeled 1-Hydroxyanthraquinone Derivatives for Necrotic Myocardium Imaging. <i>ACS Medicinal Chemistry Letters</i> , 2017 , 8, 191-195	4.3	7
44	Experimental evaluation of radioiodinated sennoside B as a necrosis-avid tracer agent. <i>Journal of Drug Targeting</i> , 2015 , 23, 180-90	5.4	7
43	Exploring diagnostic potentials of radioiodinated sennidin A in rat model of reperfused myocardial infarction. <i>International Journal of Pharmaceutics</i> , 2015 , 495, 31-40	6.5	7
42	Molecular imaging of myocardial necrosis: an updated mini-review. <i>Journal of Drug Targeting</i> , 2020 , 28, 565-573	5.4	7
41	Trapping effect on a small molecular drug with vascular-disrupting agent CA4P in rodent H22 hepatic tumor model: in vivo magnetic resonance imaging and postmortem inductively coupled plasma atomic emission spectroscopy. <i>Journal of Drug Targeting</i> , 2015 , 23, 436-43	5.4	7
40	Biodistribution and anti-tumor efficacy of intratumorally injected necrosis-avid theranostic agent radioiodinated hypericin in rodent tumor models. <i>Journal of Drug Targeting</i> , 2015 , 23, 371-9	5.4	7
39	Facile synthesis of 1,2,4,5-tetrahydro-1,4-benzodiazepin-3-ones via cyclization of N-alkoxy halogenoacetamides with N-(2-chloromethyl)aryl amides. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 9708-9711	3.9	7
38	SPECT Imaging of Treatment-Related Tumor Necrosis Using Technetium-99m-Labeled Rhein. <i>Molecular Imaging and Biology</i> , 2019 , 21, 660-668	3.8	7
37	Target exploration of rhein as a small-molecule necrosis avid agent by post-treatment click modification. <i>New Journal of Chemistry</i> , 2019 , 43, 6121-6125	3.6	6
36	Effects of Glycosylation on Biodistribution and Imaging Quality of Necrotic Myocardium of Iodine-131-Labeled Sennidins. <i>Molecular Imaging and Biology</i> , 2016 , 18, 877-886	3.8	6
35	Rhein-based necrosis-avid MRI contrast agents for early evaluation of tumor response to microwave ablation therapy. <i>Magnetic Resonance in Medicine</i> , 2019 , 82, 2212-2224	4.4	6
34	extract attenuates hepatic lipid deposition in HepG2 cells by the lipophagy pathway. <i>Pharmaceutical Biology</i> , 2020 , 58, 838-844	3.8	6
33	A [3 + 2] cycloaddition/C-arylation of isatin ,Scyclic azomethine imine 1,3-dipole with arynes.. <i>RSC Advances</i> , 2020 , 10, 30620-30623	3.7	6
32	Laxative effect and mechanism of Tiantian Capsule on loperamide-induced constipation in rats. <i>Journal of Ethnopharmacology</i> , 2021 , 266, 113411	5	6
31	Ultrasensitive fluorescence detection of sequence-specific DNA via labeling hairpin DNA probes for fluorescein o-acrylate polymers. <i>Analytica Chimica Acta</i> , 2019 , 1088, 144-149	6.6	5

30	Enhancing intratumoral biodistribution and antitumor activity of nab-paclitaxel through combination with a vascular disrupting agent, combretastatin A-4-phosphate. <i>Cancer Chemotherapy and Pharmacology</i> , 2019 , 84, 1187-1194	3.5	5
29	Discovery of necrosis avidity of rhein and its applications in necrosis imaging. <i>Journal of Drug Targeting</i> , 2020 , 28, 904-912	5.4	5
28	A new flavonol derivative from <i>Fagopyrum dibotrys</i> . <i>Chemistry of Natural Compounds</i> , 2008 , 44, 701-703	0.7	5
27	Combretastatin-A4 phosphate improves the distribution and antitumor efficacy of albumin-bound paclitaxel in W256 breast carcinoma model. <i>Oncotarget</i> , 2016 , 7, 58133-58141	3.3	5
26	Preclinical Evaluation of Radioiodinated Hoechst 33258 for Early Prediction of Tumor Response to Treatment of Vascular-Disrupting Agents. <i>Contrast Media and Molecular Imaging</i> , 2018 , 2018, 5237950	3.2	5
25	Evaluation of Radioiodinated 1,4-Naphthoquinones as Necrosis Avid Agents for Rapid Myocardium Necrosis Imaging. <i>Molecular Imaging and Biology</i> , 2018 , 20, 74-84	3.8	4
24	Effects of skeleton structure on necrosis targeting and clearance properties of radioiodinated dianthrones. <i>Journal of Drug Targeting</i> , 2016 , 24, 566-77	5.4	4
23	Combining combretastatin A4 phosphate with ginsenoside Rd synergistically inhibited hepatocellular carcinoma by reducing HIF-1 α via PI3K/AKT/mTOR signalling pathway. <i>Journal of Pharmacy and Pharmacology</i> , 2021 , 73, 263-271	4.8	4
22	A dual signal amplification strategy combining thermally initiated SI-RAFT polymerization and DNA-templated silver nanoparticles for electrochemical determination of DNA. <i>Mikrochimica Acta</i> , 2019 , 187, 35	5.8	4
21	First Evaluation of Radioiodinated Flavonoids as Necrosis-Avid Agents and Application in Early Assessment of Tumor Necrosis. <i>Molecular Pharmaceutics</i> , 2018 , 15, 207-215	5.6	4
20	Aloe vera mitigates dextran sulfate sodium-induced rat ulcerative colitis by potentiating colon mucus barrier. <i>Journal of Ethnopharmacology</i> , 2021 , 279, 114108	5	4
19	Evaluation of Necrosis Avidity and Potential for Rapid Imaging of Necrotic Myocardium of Radioiodinated Hypocrellins. <i>Molecular Imaging and Biology</i> , 2018 , 20, 551-561	3.8	3
18	Tributylphosphane-promoted [3 + 2] annulation of 3-hydroxyoxindoles with acrylates: Synthesis of spirocyclic oxindole-lactones. <i>Journal of Saudi Chemical Society</i> , 2018 , 22, 27-33	4.3	3
17	Biliary and duodenal drainage for reducing the radiotoxic risk of antineoplastic ¹³¹ I-hypericin in rat models. <i>Experimental Biology and Medicine</i> , 2015 , 240, 1764-73	3.7	3
16	Synthesis and Evaluation of Diindole-Based MRI Contrast Agent for In Vivo Visualization of Necrosis. <i>Molecular Imaging and Biology</i> , 2020 , 22, 593-601	3.8	3
15	I-Evans blue: evaluation of necrosis targeting property and preliminary assessment of the mechanism in animal models. <i>Acta Pharmaceutica Sinica B</i> , 2018 , 8, 390-400	15.5	2
14	Direct Cyclopropanation of Quinolinium Zwitterionic Thiolates via Dearomative Reactions. <i>Journal of Organic Chemistry</i> , 2021 , 86, 15640-15647	4.2	2
13	Pyrrolo[2,3-b]pyridine-3-one derivatives as novel fibroblast growth factor receptor 4 inhibitors for the treatment of hepatocellular carcinoma. <i>Bioorganic and Medicinal Chemistry</i> , 2021 , 29, 115862	3.4	2

12	Tandem mass tag-based proteomic analysis reveals the treatment mechanism of Bushen Huoxue Formula on psychological stress-induced premature ovarian insufficiency. <i>Journal of Ethnopharmacology</i> , 2020 , 258, 112870	5	1
11	Evaluation of necrosis avidity of radioiodinated 5-hydroxytryptophan and its potential applications in myocardial infarction imaging. <i>Chinese Chemical Letters</i> , 2019 , 30, 83-86	8.1	1
10	3,23-Dihydroxy-12-ene-28-ursolic Acid Isolated from <i>Alleviates</i> NLRP3 Inflammasome-Mediated Gout via PI3K-AKT-mTOR-Dependent Autophagy.. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022 , 2022, 5541232	2.3	1
9	A formal aza-Michael addition and [4+3] annulation reactions of dichloro-substituted haloamides with N-(2-chloromethyl)aryl) amides. <i>Tetrahedron Letters</i> , 2020 , 61, 152225	2	1
8	Design and Evaluation of Rhein-Based MRI Contrast Agents for Visualization of Tumor Necrosis Induced by Combretastatin A-4 Disodium Phosphate. <i>Molecular Imaging and Biology</i> , 2021 , 23, 220-229	3.8	1
7	Arjunolic acid from <i>Cyclocarya paliurus</i> ameliorates nonalcoholic fatty liver disease in mice via activating Sirt1/AMPK, triggering autophagy and improving gut barrier function. <i>Journal of Functional Foods</i> , 2021 , 86, 104686	5.1	1
6	Development of Duramycin-Based Molecular Probes for Cell Death Imaging.. <i>Molecular Imaging and Biology</i> , 2022 , 1	3.8	0
5	Comparative study of the laxative effects of konjac oligosaccharides and konjac glucomannan on loperamide-induced constipation in rats. <i>Food and Function</i> , 2021 , 12, 7709-7717	6.1	0
4	Radioiodinated hypericin as a tracer for detection of acute myocardial infarction: SPECT-CT imaging in a swine model.. <i>Journal of Nuclear Cardiology</i> , 2022 , 1	2.1	0
3	<i>Cyclocarya paliurus</i> triterpenoids attenuate glomerular endothelial injury in the diabetic rats via ROCK pathway.. <i>Journal of Ethnopharmacology</i> , 2022 , 291, 115127	5	0
2	<i>Cyclocarya paliurus</i> triterpenoids suppress hepatic gluconeogenesis via AMPK-mediated cAMP/PKA/CREB pathway. <i>Phytomedicine</i> , 2022 , 154175	6.5	0
1	Untiring Pursuit for Glucarate-Based Molecular Imaging Probes. <i>Molecular Imaging and Biology</i> , 2021 , 23, 310-322	3.8	