

Jian Zhang

List of Publications by Year in descending order

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84
papers

1,432
citations

393982

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86
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docs citations

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times ranked

1224
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 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, 1119-1127. | 2.0 | 106 |
| 2 | 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. | 2.0 | 83 |
| 3 | A Dual-targeting Anticancer Approach: Soil and Seed Principle. <i>Radiology</i> , 2011, 260, 799-807. | 3.6 | 81 |
| 4 | 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, 286-296. | 2.0 | 71 |
| 5 | 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, 127-137. | 4.6 | 48 |
| 6 | <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, 344-351. | 2.0 | 48 |
| 7 | <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, 677-686. | 0.7 | 48 |
| 8 | Self [3 + 4] Cycloadditions of Isatin <i>N</i> , <i>N</i> - ϵ^2 -Cyclic Azomethine Imine 1,3-Dipole with <i>N</i> -(2-chloromethyl)aryl Amides. <i>Journal of Organic Chemistry</i> , 2018, 83, 8410-8416. | 1.7 | 45 |
| 9 | Exploring Theranostic Potentials of Radioiodinated Hypericin in Rodent Necrosis Models. <i>Theranostics</i> , 2012, 2, 1010-1019. | 4.6 | 44 |
| 10 | 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. | 2.3 | 43 |
| 11 | 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. | 2.3 | 36 |
| 12 | Evaluation of Hypericin: Effect of Aggregation on Targeting Biodistribution. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 215-222. | 1.6 | 34 |
| 13 | <i>Paris polyphylla</i> Suppresses Proliferation and Vasculogenic Mimicry of Human Osteosarcoma Cells and Inhibits Tumor Growth <i>In Vivo</i> . <i>The American Journal of Chinese Medicine</i> , 2017, 45, 575-598. | 1.5 | 29 |
| 14 | 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. | 1.6 | 26 |
| 15 | Aloe vera mitigates dextran sulfate sodium-induced rat ulcerative colitis by potentiating colon mucus barrier. <i>Journal of Ethnopharmacology</i> , 2021, 279, 114108. | 2.0 | 25 |
| 16 | Base-mediated [2 + 4] cycloadditions of <i>in situ</i> formed azaoxyallyl cations with <i>N</i> -(2-chloromethyl)aryl amides. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 7336-7339. | 1.5 | 24 |
| 17 | Radiolabeled Rhein as Small-Molecule Necrosis Avid Agents for Imaging of Necrotic Myocardium. <i>Analytical Chemistry</i> , 2017, 89, 1260-1266. | 3.2 | 23 |
| 18 | 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, 14247-14259. | 0.8 | 22 |

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|----|--|-----|-----------|
| 19 | Necrosis-targeted combinational theragnostic approach to treat cancer. <i>Oncotarget</i> , 2014, 5, 2934-2946. | 0.8 | 21 |
| 20 | Cyclocarya paliurus Triterpenoids Improve Diabetes-Induced Hepatic Inflammation via the Rho-Kinase-Dependent Pathway. <i>Frontiers in Pharmacology</i> , 2019, 10, 811. | 1.6 | 20 |
| 21 | Necrosis affinity evaluation of ¹³¹ I-hypericin in a rat model of induced necrosis. <i>Journal of Drug Targeting</i> , 2013, 21, 604-610. | 2.1 | 19 |
| 22 | Radioiodinated Hypericin: Its Biodistribution, Necrosis Avidity and Therapeutic Efficacy are Influenced by Formulation. <i>Pharmaceutical Research</i> , 2014, 31, 278-290. | 1.7 | 19 |
| 23 | 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, 232-240. | 2.3 | 19 |
| 24 | Updated developments on molecular imaging and therapeutic strategies directed against necrosis. <i>Acta Pharmaceutica Sinica B</i> , 2019, 9, 455-468. | 5.7 | 19 |
| 25 | 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. | 2.0 | 17 |
| 26 | Hypericin as a Marker for Determination of Myocardial Viability in a Rat Model of Myocardial Infarction. <i>Photochemistry and Photobiology</i> , 2014, 90, 867-872. | 1.3 | 16 |
| 27 | DMAP-catalyzed alkylation of isatin <i>N</i> , <i>N'</i> - α^2 -cyclic azomethine imine 1,3-dipoles with Morita-Baylis-Hillman carbonates. <i>New Journal of Chemistry</i> , 2018, 42, 7025-7029. | 1.4 | 16 |
| 28 | 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, 304-312. | 2.1 | 15 |
| 29 | Imaging Cell Death: Focus on Early Evaluation of Tumor Response to Therapy. <i>Bioconjugate Chemistry</i> , 2020, 31, 1025-1051. | 1.8 | 15 |
| 30 | Radiopharmaceutical evaluation of ¹³¹ I-protohypericin as a necrosis avid compound. <i>Journal of Drug Targeting</i> , 2015, 23, 417-426. | 2.1 | 14 |
| 31 | Radiopharmaceutical study on Iodine-131-labelled hypericin in a canine model of hepatic RFA-induced coagulative necrosis. <i>Radiologia Medica</i> , 2015, 120, 213-221. | 4.7 | 14 |
| 32 | Synthesis and Biological Evaluation of Rhein-Based MRI Contrast Agents for in Vivo Visualization of Necrosis. <i>Analytical Chemistry</i> , 2018, 90, 13249-13256. | 3.2 | 14 |
| 33 | 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. | 1.2 | 14 |
| 34 | Combretastatin A4 phosphate treatment induces vasculogenic mimicry formation of W256 breast carcinoma tumor in vitro and in vivo. <i>Tumor Biology</i> , 2015, 36, 8499-8510. | 0.8 | 13 |
| 35 | C21 steroidal glycosides from <i>Cynanchum stauntonii</i> induce apoptosis in HepG2 cells. <i>Steroids</i> , 2016, 106, 55-61. | 0.8 | 13 |
| 36 | Direct Cyclopropanation of Quinolinium Zwitterionic Thiolates via Dearomative Reactions. <i>Journal of Organic Chemistry</i> , 2021, 86, 15640-15647. | 1.7 | 13 |

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|----|---|-----|-----------|
| 37 | Sodium cholate, a solubilizing agent for the necrosis avid radioiodinated hypericin in rabbits with acute myocardial infarction. <i>Drug Delivery</i> , 2015, 22, 427-435. | 2.5 | 12 |
| 38 | Laxative effect and mechanism of Tiantian Capsule on loperamide-induced constipation in rats. <i>Journal of Ethnopharmacology</i> , 2021, 266, 113411. | 2.0 | 12 |
| 39 | Tumor necrosis targeted radiotherapy of non-small cell lung cancer using radioiodinated protohypericin in a mouse model. <i>Oncotarget</i> , 2015, 6, 26400-26410. | 0.8 | 12 |
| 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, 371-379. | 2.1 | 11 |
| 41 | Synthesis and Evaluation of ¹³¹ I-Skyrin as a Necrosis Avid Agent for Potential Targeted Radionuclide Therapy of Solid Tumors. <i>Molecular Pharmaceutics</i> , 2016, 13, 180-189. | 2.3 | 11 |
| 42 | Facile synthesis of 1,2,4,5-tetrahydro-1,4-benzodiazepin-3-ones via cyclization of N-alkoxy β -halogenoacetamides with N-(2-chloromethyl)aryl amides. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 9708-9711. | 1.5 | 10 |
| 43 | 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. | 1.3 | 10 |
| 44 | Exploring diagnostic potentials of radioiodinated sennidin A in rat model of reperfused myocardial infarction. <i>International Journal of Pharmaceutics</i> , 2015, 495, 31-40. | 2.6 | 9 |
| 45 | <i>Cyclocarya paliurus</i> extract attenuates hepatic lipid deposition in HepG2 cells by the lipophagy pathway. <i>Pharmaceutical Biology</i> , 2020, 58, 838-844. | 1.3 | 9 |
| 46 | A [3 + 2] cycloaddition/C-arylation of isatin β -cyclic azomethine imine 1,3-dipole with arynes. <i>RSC Advances</i> , 2020, 10, 30620-30623. | 1.7 | 9 |
| 47 | 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. | 2.1 | 9 |
| 48 | 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. | 0.8 | 9 |
| 49 | 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. | 0.8 | 9 |
| 50 | 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, 436-443. | 2.1 | 8 |
| 51 | Experimental evaluation of radioiodinated sennoside B as a necrosis-avid tracer agent. <i>Journal of Drug Targeting</i> , 2015, 23, 180-190. | 2.1 | 8 |
| 52 | 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. | 1.3 | 8 |
| 53 | Molecular imaging of myocardial necrosis: an updated mini-review. <i>Journal of Drug Targeting</i> , 2020, 28, 565-573. | 2.1 | 8 |
| 54 | β ,23-Dihydroxy-12-ene-28-ursolic Acid Isolated from <i>Cyclocarya paliurus</i> Alleviates NLRP3 Inflammasome-Mediated Gout via PI3K-AKT-mTOR-Dependent Autophagy. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-15. | 0.5 | 8 |

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|----|--|-----|-----------|
| 55 | Novel ¹⁸ F-Labeled 1-Hydroxyanthraquinone Derivatives for Necrotic Myocardium Imaging. <i>ACS Medicinal Chemistry Letters</i> , 2017, 8, 191-195. | 1.3 | 7 |
| 56 | 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. | 2.6 | 7 |
| 57 | 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. | 1.4 | 7 |
| 58 | SPECT Imaging of Treatment-Related Tumor Necrosis Using Technetium-99m-Labeled Rhein. <i>Molecular Imaging and Biology</i> , 2019, 21, 660-668. | 1.3 | 7 |
| 59 | Cyclocarya paliurus triterpenoids attenuate glomerular endothelial injury in the diabetic rats via ROCK pathway. <i>Journal of Ethnopharmacology</i> , 2022, 291, 115127. | 2.0 | 7 |
| 60 | A new flavonol derivative from <i>Fagopyrum dibotrys</i> . <i>Chemistry of Natural Compounds</i> , 2008, 44, 701-703. | 0.2 | 6 |
| 61 | 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. | 1.9 | 6 |
| 62 | 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. | 1.1 | 6 |
| 63 | 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> , 2020, 187, 35. | 2.5 | 6 |
| 64 | Discovery of necrosis avidity of rhein and its applications in necrosis imaging. <i>Journal of Drug Targeting</i> , 2020, 28, 904-912. | 2.1 | 6 |
| 65 | 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. | 1.4 | 6 |
| 66 | Effects of skeleton structure on necrosis targeting and clearance properties of radioiodinated dianthrones. <i>Journal of Drug Targeting</i> , 2016, 24, 566-577. | 2.1 | 5 |
| 67 | 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. | 1.3 | 5 |
| 68 | 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. | 2.3 | 5 |
| 69 | 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, 1-9. | 0.4 | 5 |
| 70 | 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. | 1.6 | 5 |
| 71 | <i>Cyclocarya paliurus</i> triterpenoids suppress hepatic gluconeogenesis via AMPK-mediated cAMP/PKA/CREB pathway. <i>Phytomedicine</i> , 2022, 102, 154175. | 2.3 | 5 |
| 72 | 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. | 2.0 | 4 |

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|----|--|-----|-----------|
| 73 | 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, 1764-1773. | 1.1 | 3 |
| 74 | 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. | 1.3 | 3 |
| 75 | 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. | 2.4 | 3 |
| 76 | ¹³¹ 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. | 5.7 | 3 |
| 77 | 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. | 1.3 | 3 |
| 78 | A formal aza-Michael addition and [4+3] annulation reactions of dichloro-substituted haloamides | 0.7 | 3 |
| 79 | Untiring Pursuit for Glucarate-Based Molecular Imaging Probes. <i>Molecular Imaging and Biology</i> , 2021, 23, 310-322. | 1.3 | 2 |
| 80 | 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. | 1.3 | 2 |
| 81 | Development of Duramycin-Based Molecular Probes for Cell Death Imaging. <i>Molecular Imaging and Biology</i> , 2022, 24, 612-629. | 1.3 | 2 |
| 82 | 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. | 4.8 | 1 |
| 83 | 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, 29, 3432-3439. | 1.4 | 1 |
| 84 | Target identification and occupancy measurement of necrosis avid agent rhein using bioorthogonal chemistry-enabling probes. <i>RSC Advances</i> , 2022, 12, 16491-16495. | 1.7 | 1 |