

# Zhangjian Huang

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

2,177  
citations

257450

24  
h-index

223800

46  
g-index

50  
all docs

50  
docs citations

50  
times ranked

3186  
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein <i>S</i> -Nitrosation: Biochemistry, Identification, Molecular Mechanisms, and Therapeutic Applications. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 5902-5925.	6.4	17
2	Advanced nitric oxide donors: chemical structure of NO drugs, NO nanomedicines and biomedical applications. <i>Nanoscale</i> , 2021, 13, 444-459.	5.6	83
3	A novel PGAM5 inhibitor LFHP-1c protects blood-brain barrier integrity in ischemic stroke. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 1867-1884.	12.0	22
4	Design, Synthesis, and Biological Evaluation of Organic Nitrite (NO <sub>2</sub> <sup>+</sup> ) Donors as Potential Anticerebral Ischemia Agents. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 10919-10933.	6.4	7
5	Tetrazine-mediated bioorthogonal removal of 3-isocyanopropyl groups enables the controlled release of nitric oxide <i>in vivo</i> . <i>Biomaterials Science</i> , 2021, 9, 1816-1825.	5.4	6
6	Identification of New Nitric Oxide-Donating Peptides with Dual Biofilm Eradication and Antibacterial Activities for Intervention of Device-Related Infections. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 9127-9135.	6.4	30
7	General Strategy for Integrated Bioorthogonal Prodrugs: Pt(II)-Triggered Depropargylation Enables Controllable Drug Activation <i>In Vivo</i> . <i>Journal of Medicinal Chemistry</i> , 2020, 63, 13899-13912.	6.4	22
8	New techniques and strategies in drug discovery. <i>Chinese Chemical Letters</i> , 2020, 31, 1695-1708.	9.0	82
9	Design and synthesis of the ring-opened derivative of 3-n-butylphthalide-ferulic acid-glucose trihybrids as potential anti-ischemic agents. <i>Chinese Chemical Letters</i> , 2020, 31, 1881-1886.	9.0	10
10	Anti-CD24 Antibody-Nitric Oxide Conjugate Selectively and Potently Suppresses Hepatic Carcinoma. <i>Cancer Research</i> , 2019, 79, 3395-3405.	0.9	39
11	Nanoscale Coordination Polymers for Synergistic NO and Chemodynamic Therapy of Liver Cancer. <i>Nano Letters</i> , 2019, 19, 2731-2738.	9.1	158
12	Chemodivergent synthesis of N-(pyridin-2-yl)amides and 3-bromoimidazo[1,2-a]pyridines from $\alpha$ -bromoketones and 2-aminopyridines. <i>RSC Advances</i> , 2019, 9, 34671-34676.	3.6	17
13	Design and synthesis of new hybrids from 2-cyano-3,12-dioxooleana-9-dien-28-oic acid and O <sub>2</sub> -(2,4-dinitrophenyl) diazeniumdiolate for intervention of drug-resistant lung cancer. <i>European Journal of Medicinal Chemistry</i> , 2018, 149, 269-280.	5.5	20
14	Identification of a Novel Hybridization from Isosorbide 5-Mononitrate and Bardoxolone Methyl with Dual Activities of Pulmonary Vasodilation and Vascular Remodeling Inhibition on Pulmonary Arterial Hypertension Rats. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 1474-1482.	6.4	20
15	Glutathione <i>S</i> -Transferase-Activatable O <sub>2</sub> <sup>2</sup> -(Sulfonyl ethyl Derived) Diazeniumdiolates Potently Suppress Melanoma <i>In Vitro</i> and <i>In Vivo</i> . <i>Journal of Medicinal Chemistry</i> , 2018, 61, 1833-1844.	6.4	17
16	Novel Ligustrazine-Based Analogs of Piperlongumine Potently Suppress Proliferation and Metastasis of Colorectal Cancer Cells <i>In Vitro</i> and <i>In Vivo</i> . <i>Journal of Medicinal Chemistry</i> , 2018, 61, 1821-1832.	6.4	45
17	Synthesis and Evaluation of O <sub>2</sub> <sup>2</sup> -Derived Diazeniumdiolates Activatable via Bioorthogonal Chemistry Reactions in Living Cells. <i>Organic Letters</i> , 2018, 20, 2164-2167.	4.6	21
18	A Dual AMPK/Nrf2 Activator Reduces Brain Inflammation After Stroke by Enhancing Microglia M2 Polarization. <i>Antioxidants and Redox Signaling</i> , 2018, 28, 141-163.	5.4	171

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19	Metal-Free Synthesis of <i>N</i> -(Pyridine-2-yl)amides from Ketones via Selective Oxidative Cleavage of C(O)–C(Alkyl) Bond in Water. <i>Journal of Organic Chemistry</i> , 2018, 83, 14307-14313.	3.2	20
20	Chemotaxis-Instructed Intracellular <i>Staphylococcus aureus</i> Infection Detection by a Targeting and Self-Assembly Signal-Enhanced Photoacoustic Probe. <i>Nano Letters</i> , 2018, 18, 6229-6236.	9.1	72
21	<i>O</i> <sup>2</sup> -3-Aminopropyl diazeniumdiolates suppress the progression of highly metastatic triple-negative breast cancer by inhibition of microvesicle formation <i>via</i> nitric oxide-based epigenetic regulation. <i>Chemical Science</i> , 2018, 9, 6893-6898.	7.4	20
22	A novel design of a polynuclear co-delivery system for safe and efficient cancer therapy. <i>Chemical Communications</i> , 2018, 54, 8737-8740.	4.1	7
23	Dual Intratumoral Redox/Enzyme-Responsive NO-Releasing Nanomedicine for the Specific, High-Efficacy, and Low-Toxic Cancer Therapy. <i>Advanced Materials</i> , 2018, 30, e1704490.	21.0	155
24	Potent Inhibition of Nitric Oxide-Releasing Bifendate Derivatives against Drug-Resistant K562/A02 Cells <i>In Vitro</i> and <i>In Vivo</i> . <i>Journal of Medicinal Chemistry</i> , 2017, 60, 928-940.	6.4	32
25	<i>O</i> <sup>2</sup> -(6-Oxocyclohex-1-en-1-yl)methyl diazen-1-ium-1,2-diolates: a new class of nitric oxide donors activatable by GSH/GST with both anti-proliferative and anti-metastatic activities against melanoma. <i>Chemical Communications</i> , 2017, 53, 5059-5062.	4.1	13
26	Nitric Oxide Donor-Based Cancer Therapy: Advances and Prospects. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 7617-7635.	6.4	260
27	Novel Derivative of Bardoxolone Methyl Improves Safety for the Treatment of Diabetic Nephropathy. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 8847-8857.	6.4	29
28	Synthesis and evaluation of novel <i>O</i> <sup>2</sup> -derived diazeniumdiolates as photochemical and real-time monitoring nitric oxide delivery agents. <i>Organic Chemistry Frontiers</i> , 2017, 4, 2445-2449.	4.5	16
29	Inhibition of high glucose-induced inflammation and fibrosis by a novel curcumin derivative prevents renal and heart injury in diabetic mice. <i>Toxicology Letters</i> , 2017, 278, 48-58.	0.8	52
30	Discovery of phosphorodiamidate mustard-based O <sup>2</sup> -phosphorylated diazeniumdiolates with potent anticancer activity. <i>RSC Advances</i> , 2017, 7, 18893-18899.	3.6	5
31	Synthesis and evaluation of <i>N</i> -heteroaromatic ring-based analogs of piperlongumine as potent anticancer agents. <i>European Journal of Medicinal Chemistry</i> , 2017, 138, 313-319.	5.5	26
32	Novel anticancer oridonin derivatives possessing a diazen-1-ium-1,2-diolate nitric oxide donor moiety: Design, synthesis, biological evaluation and nitric oxide release studies. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 2795-2800.	2.2	31
33	Design, Synthesis, and Evaluation of Diazeniumdiolate-Based DNA Cross-Linking Agents Activatable by Glutathione S-Transferase. <i>Organic Letters</i> , 2016, 18, 5196-5199.	4.6	14
34	Discovery of New Monocarbonyl Ligustrazine–Curcumin Hybrids for Intervention of Drug-Sensitive and Drug-Resistant Lung Cancer. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 1747-1760.	6.4	61
35	Synthesis and Biological Evaluation of Novel Olean-28,13 <sup>lactams</sup> as Potential Antiprostata Cancer Agents. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 4506-4520.	6.4	27
36	Synthesis of CDDO–Amino Acid–Nitric Oxide Donor Trihybrids as Potential Antitumor Agents against Both Drug-Sensitive and Drug-Resistant Colon Cancer. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 2452-2464.	6.4	65

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37	The protective effect of CDDO-Me on lipopolysaccharide-induced acute lung injury in mice. <i>International Immunopharmacology</i> , 2015, 25, 55-64.	3.8	143
38	Novel hybrids of 3-n-butylphthalide and edaravone: Design, synthesis and evaluations as potential anti-ischemic stroke agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 3535-3540.	2.2	33
39	Nitric oxide donating anilinoimidazopyridines: Synthesis and biological evaluation as EGFR inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2013, 66, 82-90.	5.5	19
40	Synthesis and biological evaluation of nitric oxide releasing derivatives of 6-amino-3-n-butylphthalide as potential antiplatelet agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 1985-1988.	2.2	18
41	Novel Hybrids of Optically Active Ring-Opened 3-n-Butylphthalide Derivative and Isosorbide as Potential Anti-Ischemic Stroke Agents. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 3078-3089.	6.4	38
42	Novel Hybrids of (Phenylsulfonyl)furoxan and Anilinoimidazopyridine as Potent and Selective Epidermal Growth Factor Receptor Inhibitors for Intervention of Non-Small-Cell Lung Cancer. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 4738-4748.	6.4	67
43	Hybrid Molecule from <i>O</i> <sup>2</sup> -(2,4-Dinitrophenyl)diazoniumdiolate and Oleanolic Acid: A Glutathione <i>S</i> -Transferase $\text{I}\epsilon$ -Activated Nitric Oxide Prodrug with Selective Anti-Human Hepatocellular Carcinoma Activity and Improved Stability. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 4641-4655.	6.4	55
44	<i>O</i> <sup>2</sup> -Sulfonylethyl Protected Isopropylamine Diazen-1-ium-1,2-diolates as Nitroxyl (HNO) Donors: Synthesis, $\text{I}^2$ -Elimination Fragmentation, HNO Release, Positive Inotropic Properties, and Blood Pressure Lowering Studies. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 10262-10271.	6.4	19
45	<i>O</i> <sup>2</sup> -( <i>N</i> -Hydroxy(methoxy)-2-ethanesulfonamido) Protected Diazen-1-ium-1,2-diolates: Nitric Oxide Release via a Base-Induced $\text{I}^2$ -Elimination Cleavage. <i>Organic Letters</i> , 2011, 13, 1178-1181.	4.6	6
46	Ethanesulfohydroxamic Acid Ester Prodrugs of Nonsteroidal Anti-inflammatory Drugs (NSAIDs): Synthesis, Nitric oxide and Nitroxyl Release, Cyclooxygenase Inhibition, Anti-inflammatory, and Ulcerogenicity Index Studies. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 1356-1364.	6.4	64
47	Acyclic triaryl olefins possessing a sulfohydroxamic acid pharmacophore: synthesis, nitric oxide/nitroxyl release, cyclooxygenase inhibition, and anti-inflammatory studies. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 4124.	2.8	19