Zhangjian Huang

List of Publications by Year
in descending order

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47	2,177	257450	223800
papers	citations	24 h-index	46 g-index

50	50	50	3186
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nitric Oxide Donor-Based Cancer Therapy: Advances and Prospects. Journal of Medicinal Chemistry, 2017, 60, 7617-7635.	6.4	260
2	A Dual AMPK/Nrf2 Activator Reduces Brain Inflammation After Stroke by Enhancing Microglia M2 Polarization. Antioxidants and Redox Signaling, 2018, 28, 141-163.	5.4	171
3	Nanoscale Coordination Polymers for Synergistic NO and Chemodynamic Therapy of Liver Cancer. Nano Letters, 2019, 19, 2731-2738.	9.1	158
4	Dual Intratumoral Redox/Enzymeâ€Responsive NOâ€Releasing Nanomedicine for the Specific, Highâ€Efficacy, and Lowâ€Toxic Cancer Therapy. Advanced Materials, 2018, 30, e1704490.	21.0	155
5	The protective effect of CDDO-Me on lipopolysaccharide-induced acute lung injury in mice. International Immunopharmacology, 2015, 25, 55-64.	3.8	143
6	Advanced nitric oxide donors: chemical structure of NO drugs, NO nanomedicines and biomedical applications. Nanoscale, 2021, 13, 444-459.	5.6	83
7	New techniques and strategies in drug discovery. Chinese Chemical Letters, 2020, 31, 1695-1708.	9.0	82
8	Chemotaxis-Instructed Intracellular Staphylococcus aureus Infection Detection by a Targeting and Self-Assembly Signal-Enhanced Photoacoustic Probe. Nano Letters, 2018, 18, 6229-6236.	9.1	72
9	Novel Hybrids of (Phenylsulfonyl)furoxan and Anilinopyrimidine as Potent and Selective Epidermal Growth Factor Receptor Inhibitors for Intervention of Non-Small-Cell Lung Cancer. Journal of Medicinal Chemistry, 2013, 56, 4738-4748.	6.4	67
10	Synthesis of CDDOâ€“Amino Acidâ€“Nitric Oxide Donor Trihybrids as Potential Antitumor Agents against Both Drug-Sensitive and Drug-Resistant Colon Cancer. Journal of Medicinal Chemistry, 2015, 58, 2452-2464.	6.4	65
11	Ethanesulfohydroxamic Acid Ester Prodrugs of Nonsteroidal Anti-inflammatory Drugs (NSAIDs): Synthesis, Nitric oxide and Nitroxyl Release, Cyclooxygenase Inhibition, Anti-inflammatory, and Ulcerogenicity Index Studies. Journal of Medicinal Chemistry, 2011, 54, 1356-1364.	6.4	64
12	Discovery of New Monocarbonyl Ligustrazineâ€“Curcumin Hybrids for Intervention of Drug-Sensitive and Drug-Resistant Lung Cancer. Journal of Medicinal Chemistry, 2016, 59, 1747-1760.	6.4	61
13	Hybrid Molecule from O²-(2,4-Dinitrophenyl)diazeniumdiolate and Oleanolic Acid: A Glutathione S-Transferase Ï€-Activated Nitric Oxide Prodrug with Selective Anti-Human Hepatocellular Carcinoma Activity and Improved Stability. Journal of Medicinal Chemistry, 2013, 56, 4641-4655.	6.4	55
14	Inhibition of high glucose-induced inflammation and fibrosis by a novel curcumin derivative prevents renal and heart injury in diabetic mice. Toxicology Letters, 2017, 278, 48-58.	0.8	52
15	Novel Ligustrazine-Based Analogs of Piperlongumine Potently Suppress Proliferation and Metastasis of Colorectal Cancer Cells in Vitro and in Vivo. Journal of Medicinal Chemistry, 2018, 61, 1821-1832.	6.4	45
16	Anti-CD24 Antibodyâ€“Nitric Oxide Conjugate Selectively and Potently Suppresses Hepatic Carcinoma. Cancer Research, 2019, 79, 3395-3405.	0.9	39
17	Novel Hybrids of Optically Active Ring-Opened 3-n-Butylphthalide Derivative and Isosorbide as Potential Anti-Ischemic Stroke Agents. Journal of Medicinal Chemistry, 2013, 56, 3078-3089.	6.4	38
18	Novel hybrids of 3-n-butylphthalide and edaravone: Design, synthesis and evaluations as potential anti-ischemic stroke agents. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 3535-3540.	2.2	33

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19	Potent Inhibition of Nitric Oxide-Releasing Bifendate Derivatives against Drug-Resistant K562/A02 Cells in Vitro and in Vivo. Journal of Medicinal Chemistry, 2017, 60, 928-940.	6.4	32
20	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. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 2795-2800.	2.2	31
21	Identification of New Nitric Oxide-Donating Peptides with Dual Biofilm Eradication and Antibacterial Activities for Intervention of Device-Related Infections. Journal of Medicinal Chemistry, 2020, 63, 9127-9135.	6.4	30
22	Novel Derivative of Bardoxolone Methyl Improves Safety for the Treatment of Diabetic Nephropathy. Journal of Medicinal Chemistry, 2017, 60, 8847-8857.	6.4	29
23	Synthesis and Biological Evaluation of Novel Olean-28,13Î²-lactams as Potential Antiprostate Cancer Agents. Journal of Medicinal Chemistry, 2015, 58, 4506-4520.	6.4	27
24	Synthesis and evaluation of N -heteroaromatic ring-based analogs of piperlongumine as potent anticancer agents. European Journal of Medicinal Chemistry, 2017, 138, 313-319.	5.5	26
25	General Strategy for Integrated Bioorthogonal Prodrugs: Pt(II)-Triggered Depropargylation Enables Controllable Drug Activation In Vivo. Journal of Medicinal Chemistry, 2020, 63, 13899-13912.	6.4	22
26	A novel PGAM5 inhibitor LFHP-1c protects bloodâ€“brain barrier integrity in ischemic stroke. Acta Pharmaceutica Sinica B, 2021, 11, 1867-1884.	12.0	22
27	Synthesis and Evaluation of O²-Derived Diazeniumdiolates Activatable via Bioorthogonal Chemistry Reactions in Living Cells. Organic Letters, 2018, 20, 2164-2167.	4.6	21
28	Design and synthesis of new hybrids from 2-cyano-3,12-dioxooleana- 9-dien-28-oic acid and O 2 -(2,4-dinitrophenyl) diazeniumdiolate for intervention of drug-resistant lung cancer. European Journal of Medicinal Chemistry, 2018, 149, 269-280.	5.5	20
29	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. Journal of Medicinal Chemistry, 2018, 61, 1474-1482.	6.4	20
30	Metal-Free Synthesis of N-(Pyridine-2-yl)amides from Ketones via Selective Oxidative Cleavage of C(O)â€“C(Alkyl) Bond in Water. Journal of Organic Chemistry, 2018, 83, 14307-14313.	3.2	20
31	O²-3-Aminopropyl diazeniumdiolates suppress the progression of highly metastatic triple-negative breast cancer by inhibition of microvesicle formation via nitric oxide-based epigenetic regulation. Chemical Science, 2018, 9, 6893-6898.	7.4	20
32	Acyclic triaryl olefins possessing a sulfohydroxamic acid pharmacophore: synthesis, nitric oxide/nitroxyl release, cyclooxygenase inhibition, and anti-inflammatory studies. Organic and Biomolecular Chemistry, 2010, 8, 4124.	2.8	19
33	O²-Sulfonylethyl Protected Isopropylamine Diazen-1-ium-1,2-diolates as Nitroxyl (HNO) Donors: Synthesis, Î²-Elimination Fragmentation, HNO Release, Positive Inotropic Properties, and Blood Pressure Lowering Studies. Journal of Medicinal Chemistry, 2012, 55, 10262-10271.	6.4	19
34	Nitric oxide donating anilinopyrimidines: Synthesis and biological evaluation as EGFR inhibitors. European Journal of Medicinal Chemistry, 2013, 66, 82-90.	5.5	19
35	Synthesis and biological evaluation of nitric oxide releasing derivatives of 6-amino-3-n-butylphthalide as potential antiplatelet agents. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 1985-1988.	2.2	18
36	Glutathione S-Transferase Ï€-Activatable O²-(Sulfonylethyl Derived) Diazeniumdiolates Potently Suppress Melanoma in Vitro and in Vivo. Journal of Medicinal Chemistry, 2018, 61, 1833-1844.	6.4	17

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37	Chemodivergent synthesis of N-(pyridin-2-yl)amides and 3-bromoimidazo[1,2-a]pyridines from Î±-bromoketones and 2-aminopyridines. RSC Advances, 2019, 9, 34671-34676.	3.6	17
38	Protein S-Nitrosation: Biochemistry, Identification, Molecular Mechanisms, and Therapeutic Applications. Journal of Medicinal Chemistry, 2022, 65, 5902-5925.	6.4	17
39	Synthesis and evaluation of novel O²-derived diazeniumdiolates as photochemical and real-time monitoring nitric oxide delivery agents. Organic Chemistry Frontiers, 2017, 4, 2445-2449.	4.5	16
40	Design, Synthesis, and Evaluation of Diazeniumdiolate-Based DNA Cross-Linking Agents Activatable by Glutathione S-Transferase. Organic Letters, 2016, 18, 5196-5199.	4.6	14
41	O²-(6-Oxocyclohex-1-en-1-yl)methyl diazen-1-ium-1,2-diolates: a new class of nitric oxide donors activatable by GSH/GSTÏ€ with both anti-proliferative and anti-metastatic activities against melanoma. Chemical Communications, 2017, 53, 5059-5062.	4.1	13
42	Design and synthesis of the ring-opened derivative of 3-n-butylphthalide-ferulic acid-glucose trihybrids as potential anti-ischemic agents. Chinese Chemical Letters, 2020, 31, 1881-1886.	9.0	10
43	A novel design of a polynuclear co-delivery system for safe and efficient cancer therapy. Chemical Communications, 2018, 54, 8737-8740.	4.1	7
44	Design, Synthesis, and Biological Evaluation of Organic Nitrite (NO₂^{â€“}) Donors as Potential Anticerebral Ischemia Agents. Journal of Medicinal Chemistry, 2021, 64, 10919-10933.	6.4	7
45	O²-(N-Hydroxy(methoxy)-2-ethanesulfonamido) Protected Diazen-1-ium-1,2-diolates: Nitric Oxide Release via a Base-Induced Î²-Elimination Cleavage. Organic Letters, 2011, 13, 1178-1181.	4.6	6
46	Tetrazine-mediated bioorthogonal removal of 3-isocyanopropyl groups enables the controlled release of nitric oxide in vivo. Biomaterials Science, 2021, 9, 1816-1825.	5.4	6
47	Discovery of phosphorodiamidate mustard-based O2-phosphorylated diazeniumdiolates with potent anticancer activity. RSC Advances, 2017, 7, 18893-18899.	3.6	5