

# Junmin Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

1,919  
citations

279487

23  
h-index

264894

42  
g-index

48  
all docs

48  
docs citations

48  
times ranked

1965  
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeting the Thioredoxin System for Cancer Therapy. Trends in Pharmacological Sciences, 2017, 38, 794-808.	4.0	314
2	Nrf2: a dark horse in Alzheimer's disease treatment. Ageing Research Reviews, 2020, 64, 101206.	5.0	131
3	Small molecule inhibitors of mammalian thioredoxin reductase as potential anticancer agents: An update. Medicinal Research Reviews, 2019, 39, 5-39.	5.0	120
4	Small molecules regulating reactive oxygen species homeostasis for cancer therapy. Medicinal Research Reviews, 2021, 41, 342-394.	5.0	107
5	Targeting Thioredoxin Reductase by Parthenolide Contributes to Inducing Apoptosis of HeLa Cells. Journal of Biological Chemistry, 2016, 291, 10021-10031.	1.6	101
6	Gut microbiota modulates drug pharmacokinetics. Drug Metabolism Reviews, 2018, 50, 357-368.	1.5	97
7	Inhibition of thioredoxin reductase by alantolactone prompts oxidative stress-mediated apoptosis of HeLa cells. Biochemical Pharmacology, 2016, 102, 34-44.	2.0	86
8	Thioredoxin reductase inhibitors: a patent review. Expert Opinion on Therapeutic Patents, 2017, 27, 547-556.	2.4	77
9	Fluorescent probes based on nucleophilic aromatic substitution reactions for reactive sulfur and selenium species: Recent progress, applications, and design strategies. Coordination Chemistry Reviews, 2021, 427, 213601.	9.5	60
10	Promotion of HeLa cells apoptosis by cynaropicrin involving inhibition of thioredoxin reductase and induction of oxidative stress. Free Radical Biology and Medicine, 2019, 135, 216-226.	1.3	55
11	Natural Molecules Targeting Thioredoxin System and Their Therapeutic Potential. Antioxidants and Redox Signaling, 2021, 34, 1083-1107.	2.5	49
12	Securinine disturbs redox homeostasis and elicits oxidative stress-mediated apoptosis via targeting thioredoxin reductase. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 129-138.	1.8	48
13	Biologically active indolizidine alkaloids. Medicinal Research Reviews, 2021, 41, 928-960.	5.0	46
14	A fast response and red emission probe for mammalian thioredoxin reductase. Chemical Communications, 2016, 52, 12060-12063.	2.2	45
15	Plateau hypoxia attenuates the metabolic activity of intestinal flora to enhance the bioavailability of nifedipine. Drug Delivery, 2018, 25, 1175-1181.	2.5	39
16	Isolation, Identification, and Activity Evaluation of Chemical Constituents from Soil Fungus <i>Fusarium avenaceum</i> SF-1502 and Endophytic Fungus <i>Fusarium proliferatum</i> AF-04. Journal of Agricultural and Food Chemistry, 2019, 67, 1839-1846.	2.4	39
17	Extraction and purification of total flavonoids from pine needles of <i>Cedrus deodara</i> contribute to anti-tumor in vitro. BMC Complementary and Alternative Medicine, 2016, 16, 245.	3.7	38
18	Redox-Dependent Copper Carrier Promotes Cellular Copper Uptake and Oxidative Stress-Mediated Apoptosis of Cancer Cells. ACS Applied Materials & Interfaces, 2018, 10, 33010-33021.	4.0	35

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19	Xanthatin Promotes Apoptosis via Inhibiting Thioredoxin Reductase and Eliciting Oxidative Stress. <i>Molecular Pharmaceutics</i> , 2018, 15, 3285-3296.	2.3	34
20	Resistance looms for KRAS G12C inhibitors and rational tackling strategies. , 2022, 229, 108050.		34
21	Targeting thioredoxin reductase by plumbagin contributes to inducing apoptosis of HL-60 cells. <i>Archives of Biochemistry and Biophysics</i> , 2017, 619, 16-26.	1.4	30
22	Sanguinarine as a new chemical entity of thioredoxin reductase inhibitor to elicit oxidative stress and promote tumor cell apoptosis. <i>Free Radical Biology and Medicine</i> , 2020, 152, 659-667.	1.3	30
23	A review of bioselenol-specific fluorescent probes: Synthesis, properties, and imaging applications. <i>Analytica Chimica Acta</i> , 2020, 1110, 141-150.	2.6	28
24	Gut Microbiota-Mediated Drug-Drug Interaction between Amoxicillin and Aspirin. <i>Scientific Reports</i> , 2019, 9, 16194.	1.6	25
25	Synthesis of naphthazarin derivatives and identification of novel thioredoxin reductase inhibitor as potential anticancer agent. <i>European Journal of Medicinal Chemistry</i> , 2017, 140, 435-447.	2.6	23
26	Bioassay-guided isolation of dehydrocostus lactone from <i>Saussurea lappa</i> : A new targeted cytosolic thioredoxin reductase anticancer agent. <i>Archives of Biochemistry and Biophysics</i> , 2016, 607, 20-26.	1.4	22
27	Chemical constituents from pine needles of <i>Cedrus deodara</i> . <i>Chemistry of Natural Compounds</i> , 2011, 47, 272-274.	0.2	20
28	Heliaquanoids –E, Five Sesquiterpenoid Dimers from <i>Inula helianthus-aquatica</i> . <i>Journal of Organic Chemistry</i> , 2019, 84, 4473-4477.	1.7	19
29	Structural Modification of Aminophenylarsenoxides Generates Candidates for Leukemia Treatment via Thioredoxin Reductase Inhibition. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 16132-16146.	2.9	16
30	Virtual screening-guided discovery of thioredoxin reductase inhibitors. <i>Toxicology and Applied Pharmacology</i> , 2019, 370, 106-116.	1.3	15
31	Onopordopicrin from the new genus <i>Shangwua</i> as a novel thioredoxin reductase inhibitor to induce oxidative stress-mediated tumor cell apoptosis. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021, 36, 790-801.	2.5	14
32	Inhibition of Thioredoxin Reductase by Santamarine Conferring Anticancer Effect in HeLa Cells. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 710676.	1.6	13
33	Targeting thioredoxin reductase by micheliolide contributes to radiosensitizing and inducing apoptosis of HeLa cells. <i>Free Radical Biology and Medicine</i> , 2022, 186, 99-109.	1.3	13
34	Effects of Gut Microbiota on Drug Metabolism and Guidance for Rational Drug Use Under Hypoxic Conditions at High Altitudes. <i>Current Drug Metabolism</i> , 2019, 20, 155-165.	0.7	12
35	Inhibition of thioredoxin reductase by natural anticancer candidate Î <sup>2</sup> -lapachone accounts for triggering redox activation-mediated HL-60 cell apoptosis. <i>Free Radical Biology and Medicine</i> , 2022, 180, 244-252.	1.3	11
36	Targeting Thioredoxin Reductase by Ibrutinib Promotes Apoptosis of SMMC-7721 Cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019, 369, 212-222.	1.3	10

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37	Synthesis and biological evaluation of disulfides as anticancer agents with thioredoxin inhibition. <i>Bioorganic Chemistry</i> , 2021, 110, 104814.	2.0	10
38	Evaluation of the anti-cancer potential of <i>Cedrus deodara</i> total lignans by inducing apoptosis of A549 cells. <i>BMC Complementary and Alternative Medicine</i> , 2019, 19, 281.	3.7	9
39	Enhanced P-glycoprotein expression under high-altitude hypoxia contributes to increased phenytoin levels and reduced clearance in rats. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 153, 105490.	1.9	7
40	A Fluorescent Probe for the Specific Staining of Cysteine Containing Proteins and Thioredoxin Reductase in SDS-PAGE. <i>Biosensors</i> , 2021, 11, 132.	2.3	7
41	Novel strategies for targeting the thioredoxin system for cancer therapy. <i>Expert Opinion on Drug Discovery</i> , 2022, 17, 437-442.	2.5	7
42	Thioredoxin Signaling Pathways in Cancer. <i>Antioxidants and Redox Signaling</i> , 0, , .	2.5	6
43	A naphthimide fluorescent probe for the detection of selenols in selenium-enriched Tan sheep. <i>Food Chemistry</i> , 2022, 373, 131647.	4.2	5
44	Roles of Ion Fluxes, Metabolism, and Redox Balance in Cancer Therapy. <i>Antioxidants and Redox Signaling</i> , 2021, 34, 1108-1127.	2.5	4
45	Separation of acidic compounds and determination of shikimic acid in water extracts of several conifers by HPLC. <i>Chemistry of Natural Compounds</i> , 2013, 49, 728-729.	0.2	3
46	Further iridoids from the roots of <i>Patrinia scabra</i> . <i>Phytochemistry Letters</i> , 2015, 13, 152-155.	0.6	3
47	Revealing PACMA 31 as a new chemical type TrxR inhibitor to promote cancer cell apoptosis. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2022, 1869, 119323.	1.9	2
48	Glycoside Compounds From <i>Glycyrrhiza uralensis</i> and Their Neuroprotective Activities. <i>Natural Product Communications</i> , 2021, 16, 1934578X2199298.	0.2	0