

Junmin Zhang

List of Publications by Year in descending order

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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	A naphthimide fluorescent probe for the detection of selenols in selenium-enriched Tan sheep. <i>Food Chemistry</i> , 2022, 373, 131647.	4.2	5
2	Resistance looms for KRAS G12C inhibitors and rational tackling strategies. , 2022, 229, 108050.		34
3	Inhibition of thioredoxin reductase by natural anticancer candidate Î ² -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
4	Novel strategies for targeting the thioredoxin system for cancer therapy. <i>Expert Opinion on Drug Discovery</i> , 2022, 17, 437-442.	2.5	7
5	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
6	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
7	Biologically active indolizidine alkaloids. <i>Medicinal Research Reviews</i> , 2021, 41, 928-960.	5.0	46
8	Fluorescent probes based on nucleophilic aromatic substitution reactions for reactive sulfur and selenium species: Recent progress, applications, and design strategies. <i>Coordination Chemistry Reviews</i> , 2021, 427, 213601.	9.5	60
9	Small molecules regulating reactive oxygen species homeostasis for cancer therapy. <i>Medicinal Research Reviews</i> , 2021, 41, 342-394.	5.0	107
10	Roles of Ion Fluxes, Metabolism, and Redox Balance in Cancer Therapy. <i>Antioxidants and Redox Signaling</i> , 2021, 34, 1108-1127.	2.5	4
11	Natural Molecules Targeting Thioredoxin System and Their Therapeutic Potential. <i>Antioxidants and Redox Signaling</i> , 2021, 34, 1083-1107.	2.5	49
12	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
13	Glycoside Compounds From <i>Glycyrrhiza uralensis</i> and Their Neuroprotective Activities. <i>Natural Product Communications</i> , 2021, 16, 1934578X2199298.	0.2	0
14	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
15	Synthesis and biological evaluation of disulfides as anticancer agents with thioredoxin inhibition. <i>Bioorganic Chemistry</i> , 2021, 110, 104814.	2.0	10
16	Inhibition of Thioredoxin Reductase by Santamarine Conferring Anticancer Effect in HeLa Cells. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 710676.	1.6	13
17	Structural Modification of Aminophenylarsenoxides Generates Candidates for Leukemia Treatment <i>via</i> Thioredoxin Reductase Inhibition. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 16132-16146.	2.9	16
18	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

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19	Nrf2: a dark horse in Alzheimer's disease treatment. <i>Ageing Research Reviews</i> , 2020, 64, 101206.	5.0	131
20	A review of bioselenol-specific fluorescent probes: Synthesis, properties, and imaging applications. <i>Analytica Chimica Acta</i> , 2020, 1110, 141-150.	2.6	28
21	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
22	Gut Microbiota-Mediated Drug-Drug Interaction between Amoxicillin and Aspirin. <i>Scientific Reports</i> , 2019, 9, 16194.	1.6	25
23	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
24	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. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 1839-1846.	2.4	39
25	Helianguanoids, Five Sesquiterpenoid Dimers from <i>Inula helianthus-aquatica</i> . <i>Journal of Organic Chemistry</i> , 2019, 84, 4473-4477.	1.7	19
26	Promotion of HeLa cells apoptosis by cynaropicrin involving inhibition of thioredoxin reductase and induction of oxidative stress. <i>Free Radical Biology and Medicine</i> , 2019, 135, 216-226.	1.3	55
27	Virtual screening-guided discovery of thioredoxin reductase inhibitors. <i>Toxicology and Applied Pharmacology</i> , 2019, 370, 106-116.	1.3	15
28	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
29	Small molecule inhibitors of mammalian thioredoxin reductase as potential anticancer agents: An update. <i>Medicinal Research Reviews</i> , 2019, 39, 5-39.	5.0	120
30	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
31	Gut microbiota modulates drug pharmacokinetics. <i>Drug Metabolism Reviews</i> , 2018, 50, 357-368.	1.5	97
32	Redox-Dependent Copper Carrier Promotes Cellular Copper Uptake and Oxidative Stress-Mediated Apoptosis of Cancer Cells. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 33010-33021.	4.0	35
33	Plateau hypoxia attenuates the metabolic activity of intestinal flora to enhance the bioavailability of nifedipine. <i>Drug Delivery</i> , 2018, 25, 1175-1181.	2.5	39
34	Xanthatin Promotes Apoptosis via Inhibiting Thioredoxin Reductase and Eliciting Oxidative Stress. <i>Molecular Pharmaceutics</i> , 2018, 15, 3285-3296.	2.3	34
35	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
36	Targeting the Thioredoxin System for Cancer Therapy. <i>Trends in Pharmacological Sciences</i> , 2017, 38, 794-808.	4.0	314

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37	Thioredoxin reductase inhibitors: a patent review. <i>Expert Opinion on Therapeutic Patents</i> , 2017, 27, 547-556.	2.4	77
38	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
39	Securinine disturbs redox homeostasis and elicits oxidative stress-mediated apoptosis via targeting thioredoxin reductase. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 129-138.	1.8	48
40	Extraction and purification of total flavonoids from pine needles of <i>Cedrus deodara</i> contribute to anti-tumor in vitro. <i>BMC Complementary and Alternative Medicine</i> , 2016, 16, 245.	3.7	38
41	Targeting Thioredoxin Reductase by Parthenolide Contributes to Inducing Apoptosis of HeLa Cells. <i>Journal of Biological Chemistry</i> , 2016, 291, 10021-10031.	1.6	101
42	A fast response and red emission probe for mammalian thioredoxin reductase. <i>Chemical Communications</i> , 2016, 52, 12060-12063.	2.2	45
43	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
44	Inhibition of thioredoxin reductase by alantolactone prompts oxidative stress-mediated apoptosis of HeLa cells. <i>Biochemical Pharmacology</i> , 2016, 102, 34-44.	2.0	86
45	Further iridoids from the roots of <i>Patrinia scabra</i> . <i>Phytochemistry Letters</i> , 2015, 13, 152-155.	0.6	3
46	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
47	Chemical constituents from pine needles of <i>Cedrus deodara</i> . <i>Chemistry of Natural Compounds</i> , 2011, 47, 272-274.	0.2	20
48	Thioredoxin Signaling Pathways in Cancer. <i>Antioxidants and Redox Signaling</i> , 0, , .	2.5	6