

# Dongzhu Duan

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

1,936  
citations

279798

23  
h-index

265206

42  
g-index

42  
all docs

42  
docs citations

42  
times ranked

2214  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Selective Off-Target Fluorescent Probe for Imaging Thioredoxin Reductase in Living Cells. <i>Journal of the American Chemical Society</i> , 2014, 136, 226-233.	13.7	211
2	Shikonin targets cytosolic thioredoxin reductase to induce ROS-mediated apoptosis in human promyelocytic leukemia HL-60 cells. <i>Free Radical Biology and Medicine</i> , 2014, 70, 182-193.	2.9	153
3	Synthesis of Xanthohumol Analogues and Discovery of Potent Thioredoxin Reductase Inhibitor as Potential Anticancer Agent. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 1795-1805.	6.4	138
4	Gambogic acid induces apoptosis in hepatocellular carcinoma SMMC-7721 cells by targeting cytosolic thioredoxin reductase. <i>Free Radical Biology and Medicine</i> , 2014, 69, 15-25.	2.9	117
5	Dithiaarsanes Induce Oxidative Stress-Mediated Apoptosis in HL-60 Cells by Selectively Targeting Thioredoxin Reductase. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 5203-5211.	6.4	111
6	Small molecules regulating reactive oxygen species homeostasis for cancer therapy. <i>Medicinal Research Reviews</i> , 2021, 41, 342-394.	10.5	107
7	Targeting Thioredoxin Reductase by Parthenolide Contributes to Inducing Apoptosis of HeLa Cells. <i>Journal of Biological Chemistry</i> , 2016, 291, 10021-10031.	3.4	101
8	Curcumin targeting the thioredoxin system elevates oxidative stress in HeLa cells. <i>Toxicology and Applied Pharmacology</i> , 2012, 262, 341-348.	2.8	96
9	Dual protection of hydroxytyrosol, an olive oil polyphenol, against oxidative damage in PC12 cells. <i>Food and Function</i> , 2015, 6, 2091-2100.	4.6	89
10	Inhibition of thioredoxin reductase by alantolactone prompts oxidative stress-mediated apoptosis of HeLa cells. <i>Biochemical Pharmacology</i> , 2016, 102, 34-44.	4.4	86
11	Activation of Nrf2 target enzymes conferring protection against oxidative stress in PC12 cells by ginger principal constituent 6-shogaol. <i>Food and Function</i> , 2015, 6, 2813-2823.	4.6	65
12	Modified TLC bioautographic method for screening acetylcholinesterase inhibitors from plant extracts. <i>Journal of Separation Science</i> , 2009, 32, 3257-3259.	2.5	64
13	Steroidal alkaloids from <i>Holarrhena antidysenterica</i> as acetylcholinesterase inhibitors and the investigation for structure-activity relationships. <i>Life Sciences</i> , 2012, 90, 929-933.	4.3	57
14	Geissoschizine methyl ether, a corynanthean-type indole alkaloid from <i>Uncaria rhynchophylla</i> as a potential acetylcholinesterase inhibitor. <i>Natural Product Research</i> , 2012, 26, 22-28.	1.8	50
15	Natural Molecules Targeting Thioredoxin System and Their Therapeutic Potential. <i>Antioxidants and Redox Signaling</i> , 2021, 34, 1083-1107.	5.4	49
16	Activation of the Phase II Enzymes for Neuroprotection by Ginger Active Constituent 6-Dehydrogingerdione in PC12 Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 5507-5518.	5.2	47
17	Redox-Dependent Copper Carrier Promotes Cellular Copper Uptake and Oxidative Stress-Mediated Apoptosis of Cancer Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 33010-33021.	8.0	35
18	A selective and sensitive fluorescence probe for imaging endogenous zinc in living cells. <i>Tetrahedron</i> , 2013, 69, 15-21.	1.9	34

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19	Sinopestalotiollides Aâ€“D, cytotoxic diphenyl ether derivatives from plant endophytic fungus <i>Pestalotiopsis palmarum</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 515-518.	2.2	33
20	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.	2.9	30
21	The influence of duckweed species diversity on ecophysiological tolerance to copper exposure. <i>Aquatic Toxicology</i> , 2015, 164, 92-98.	4.0	27
22	Highly oxygenated caryophyllene-type and drimane-type sesquiterpenes from <i>Pestalotiopsis adusta</i> , an endophytic fungus of <i>Sinopodophyllum hexandrum</i> . <i>RSC Advances</i> , 2017, 7, 29071-29079.	3.6	26
23	Constituents with potent $\beta$ -glucosidase inhibitory activity from <i>Pueraria lobata</i> (Willd.) ohwi.. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 1993-1998.	2.2	25
24	Analysis of the main active ingredients and bioactivities of essential oil from <i>Osmanthus fragrans</i> Var. <i>thunbergii</i> using a complex network approach. <i>BMC Systems Biology</i> , 2017, 11, 144.	3.0	22
25	Pestalustaines A and B, unprecedented sesquiterpene and coumarin derivatives from endophytic fungus <i>Pestalotiopsis adusta</i> . <i>Tetrahedron Letters</i> , 2018, 59, 1772-1775.	1.4	21
26	Natural Products: A Promising Therapeutics for Targeting Tumor Angiogenesis. <i>Frontiers in Oncology</i> , 2021, 11, 772915.	2.8	18
27	A new alkaloid from <i>Fritillaria ussuriensis</i> Maxim. <i>FÃ–toterapÃ–Ã†</i> , 2012, 83, 137-141.	2.2	17
28	Direct C(sp <sup>3</sup> )â€“H acyloxylation of indolin-3-ones with carboxylic acids catalysed by KI. <i>Green Chemistry</i> , 2020, 22, 2354-2358.	9.0	16
29	Offâ€“onâ€“off fluorescent chemosensor for pH measurement with a terbium(iii) complex based on a tripodal salicylic-acid derivative. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 6960.	2.8	10
30	KI-catalyzed oxidative cyclization of $\beta$ -keto acids and 2-hydrazinopyridines: efficient one-pot synthesis of 1,2,4-triazolo[4,3- <i>i&gt;a&lt;/i&gt;]pyridines. <i>RSC Advances</i>, 2018, 8, 32597-32600.</i>	3.6	10
31	A pair of new <i>neo</i> -clerodane diterpenoid epimers from the roots of <i>Croton crassifolius</i> and their anti-inflammatory. <i>Natural Product Research</i> , 2020, 34, 2945-2951.	1.8	10
32	Targeting ubiquitin conjugating enzyme UbcH5b by a triterpenoid PC3-15 from <i>Schisandra</i> plants sensitizes triple-negative breast cancer cells to lapatinib. <i>Cancer Letters</i> , 2021, 504, 125-136.	7.2	10
33	Targeting thioredoxin reductase by deoxyelephantopin from <i>Elephantopus scaber</i> triggers cancer cell apoptosis. <i>Archives of Biochemistry and Biophysics</i> , 2021, 711, 109028.	3.0	10
34	Natural diterpenoid ericalyxin B covalently modifies glutathione and selectively inhibits thioredoxin reductase inducing potent oxidative stress-mediated apoptosis in colorectal carcinoma RKO cells. <i>Free Radical Biology and Medicine</i> , 2021, 177, 15-23.	2.9	9
35	Rheumatoid arthritis drug sinomenine induces apoptosis of cervical tumor cells by targeting thioredoxin reductase in vitro and in vivo. <i>Bioorganic Chemistry</i> , 2022, 122, 105711.	4.1	8
36	Jatrophainolides Aâ€“C, new cembrane-type diterpenoids with PTP1B inhibitory activity from the root bark of <i>Jatropha integerrima</i> . <i>Phytochemistry Letters</i> , 2020, 36, 166-170.	1.2	7

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37	Non-coding RNAs in Regulating Tumor Angiogenesis. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 751578.	3.7	6
38	Rupestonic acids H and I, two new sesquiterpenes from the flowers of <i>Artemisia rupestris</i> L. <i>Phytochemistry Letters</i> , 2018, 27, 78-81.	1.2	4
39	Network Pharmacology-based Prediction and Verification of Shikonin for Treating Colorectal Cancer. <i>Recent Patents on Anti-Cancer Drug Discovery</i> , 2022, 17, 297-311.	1.6	3
40	Oridonin induces oxidative stress-mediated cancer cells apoptosis via targeting thioredoxin reductase. <i>Current Pharmaceutical Biotechnology</i> , 2021, 23, .	1.6	2
41	Bufadienolides from the Venom of <i>Bufo gargarizans</i> and Their Enzyme Inhibition Activities and Brine Shrimp Lethality. <i>Natural Product Communications</i> , 2018, 13, 1934578X1801300.	0.5	1
42	Pestalotilide A, a New Cytotoxic Diphenyl Ether Derivative from <i>Pestalotiposis guepinii</i> . <i>Natural Product Communications</i> , 2018, 13, 1934578X1801300.	0.5	1