Baoxin Zhang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8547965/publications.pdf

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26 papers	1,781 citations	361413 20 h-index	580821 25 g-index
26 all docs	26 docs citations	26 times ranked	2177 citing authors

#	Article	IF	Citations
1	Selective Selenol Fluorescent Probes: Design, Synthesis, Structural Determinants, and Biological Applications. Journal of the American Chemical Society, 2015, 137, 757-769.	13.7	164
2	Small molecule inhibitors of mammalian thioredoxin reductase. Free Radical Biology and Medicine, 2012, 52, 257-265.	2.9	155
3	Shikonin targets cytosolic thioredoxin reductase to induce ROS-mediated apoptosis in human promyelocytic leukemia HL-60 cells. Free Radical Biology and Medicine, 2014, 70, 182-193.	2.9	153
4	Synthesis of Xanthohumol Analogues and Discovery of Potent Thioredoxin Reductase Inhibitor as Potential Anticancer Agent. Journal of Medicinal Chemistry, 2015, 58, 1795-1805.	6.4	138
5	Xanthohumol, a Polyphenol Chalcone Present in Hops, Activating Nrf2 Enzymes To Confer Protection against Oxidative Damage in PC12 Cells. Journal of Agricultural and Food Chemistry, 2015, 63, 1521-1531.	5.2	133
6	Small molecule inhibitors of mammalian thioredoxin reductase as potential anticancer agents: An update. Medicinal Research Reviews, 2019, 39, 5-39.	10.5	120
7	Gambogic acid induces apoptosis in hepatocellular carcinoma SMMC-7721 cells by targeting cytosolic thioredoxin reductase. Free Radical Biology and Medicine, 2014, 69, 15-25.	2.9	117
8	Synthesis of Piperlongumine Analogues and Discovery of Nuclear Factor Erythroid 2-Related Factor 2 (Nrf2) Activators as Potential Neuroprotective Agents. Journal of Medicinal Chemistry, 2015, 58, 5242-5255.	6.4	115
9	Dithiaarsanes Induce Oxidative Stress-Mediated Apoptosis in HL-60 Cells by Selectively Targeting Thioredoxin Reductase. Journal of Medicinal Chemistry, 2014, 57, 5203-5211.	6.4	111
10	Curcumin targeting the thioredoxin system elevates oxidative stress in HeLa cells. Toxicology and Applied Pharmacology, 2012, 262, 341-348.	2.8	96
11	Dual protection of hydroxytyrosol, an olive oil polyphenol, against oxidative damage in PC12 cells. Food and Function, 2015, 6, 2091-2100.	4.6	89
12	Thioredoxin reductase inhibitors: a patent review. Expert Opinion on Therapeutic Patents, 2017, 27, 547-556.	5.0	77
13	A fast and specific fluorescent probe for thioredoxin reductase that works via disulphide bond cleavage. Nature Communications, 2019, 10, 2745.	12.8	70
14	Activation of the Phase II Enzymes for Neuroprotection by Ginger Active Constituent 6-Dehydrogingerdione in PC12 Cells. Journal of Agricultural and Food Chemistry, 2014, 62, 5507-5518.	5.2	47
15	Small Molecules to Target the Selenoprotein Thioredoxin Reductase. Chemistry - an Asian Journal, 2018, 13, 3593-3600.	3.3	30
16	Individual and successive detection of H2S and HClO in living cells and zebrafish by a dual-channel fluorescent probe with longer emission wavelength. Analytica Chimica Acta, 2021, 1156, 338362.	5.4	28
17	Metal-Free Î±-C(sp³)â€“H Aroylation of Amines via a Photoredox Catalytic Radicalâ€“Radical Cross-Coupling Process. Organic Letters, 2021, 23, 2846-2852.	4.6	26
18	Synthesis of naphthazarin derivatives and identification of novel thioredoxin reductase inhibitor as potential anticancer agent. European Journal of Medicinal Chemistry, 2017, 140, 435-447.	5.5	23

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19	Xanthohumol Analogues as Potent Nrf2 Activators against Oxidative Stress Mediated Damages of PC12 Cells. ACS Chemical Neuroscience, 2019, 10, 2956-2966.	3.5	23
20	A novel AIEgen-based probe for detecting cysteine in lipid droplets. Analytica Chimica Acta, 2020, 1127, 20-28.	5.4	22
21	Synthesis of Dithiolethiones and Identification of Potential Neuroprotective Agents via Activation of Nrf2-Driven Antioxidant Enzymes. Journal of Agricultural and Food Chemistry, 2020, 68, 2214-2231.	5.2	17
22	Organic photoredox catalytic Î±-C(sp³)â€“H phosphorylation of saturatedaza-heterocycles. Chemical Communications, 2021, 57, 13158-13161.	4.1	12
23	Cynaropicrin Induces Cell Cycle Arrest and Apoptosis by Inhibiting PKM2 to Cause DNA Damage and Mitochondrial Fission in A549 Cells. Journal of Agricultural and Food Chemistry, 2021, 69, 13557-13567.	5.2	11
24	An Azo Coupling Strategy for Protein 3â€²Nitrotyrosine Derivatization. Chemistry - A European Journal, 2019, 25, 11228-11232.	3.3	3
25	Fusaricide is a Novel Iron Chelator that Induces Apoptosis through Activating Caspase-3. Journal of Natural Products, 2021, 84, 2094-2103.	3.0	1
26	Assay of selenol species in biological samples by the fluorescent probe Sel-green. Methods in Enzymology, 2022, 662, 259-273.	1.0	0