

# Baoxin Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Assay of selenol species in biological samples by the fluorescent probe Sel-green. <i>Methods in Enzymology</i> , 2022, 662, 259-273.	1.0	0
2	Metal-Free $\text{I}^{\pm}\text{-C}(\text{sp}^3)$ $\text{H}$ Aroylation of Amines via a Photoredox Catalytic Radical-Radical Cross-Coupling Process. <i>Organic Letters</i> , 2021, 23, 2846-2852.	4.6	26
3	Individual and successive detection of H <sub>2</sub> S and HClO in living cells and zebrafish by a dual-channel fluorescent probe with longer emission wavelength. <i>Analytica Chimica Acta</i> , 2021, 1156, 338362.	5.4	28
4	Fusaricide is a Novel Iron Chelator that Induces Apoptosis through Activating Caspase-3. <i>Journal of Natural Products</i> , 2021, 84, 2094-2103.	3.0	1
5	Cynaropicrin Induces Cell Cycle Arrest and Apoptosis by Inhibiting PKM2 to Cause DNA Damage and Mitochondrial Fission in A549 Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 13557-13567.	5.2	11
6	Organic photoredox catalytic $\text{I}^{\pm}\text{-C}(\text{sp}^3)$ $\text{H}$ phosphorylation of saturated heterocycles. <i>Chemical Communications</i> , 2021, 57, 13158-13161.	4.1	12
7	A novel AIEgen-based probe for detecting cysteine in lipid droplets. <i>Analytica Chimica Acta</i> , 2020, 1127, 20-28.	5.4	22
8	Synthesis of Dithiolethiones and Identification of Potential Neuroprotective Agents via Activation of Nrf2-Driven Antioxidant Enzymes. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 2214-2231.	5.2	17
9	A fast and specific fluorescent probe for thioredoxin reductase that works via disulphide bond cleavage. <i>Nature Communications</i> , 2019, 10, 2745.	12.8	70
10	An Azo Coupling Strategy for Protein $\beta$ -Nitrotyrosine Derivatization. <i>Chemistry - A European Journal</i> , 2019, 25, 11228-11232.	3.3	3
11	Xanthohumol Analogues as Potent Nrf2 Activators against Oxidative Stress Mediated Damages of PC12 Cells. <i>ACS Chemical Neuroscience</i> , 2019, 10, 2956-2966.	3.5	23
12	Small molecule inhibitors of mammalian thioredoxin reductase as potential anticancer agents: An update. <i>Medicinal Research Reviews</i> , 2019, 39, 5-39.	10.5	120
13	Small Molecules to Target the Selenoprotein Thioredoxin Reductase. <i>Chemistry - an Asian Journal</i> , 2018, 13, 3593-3600.	3.3	30
14	Thioredoxin reductase inhibitors: a patent review. <i>Expert Opinion on Therapeutic Patents</i> , 2017, 27, 547-556.	5.0	77
15	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.	5.5	23
16	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
17	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
18	Xanthohumol, a Polyphenol Chalcone Present in Hops, Activating Nrf2 Enzymes To Confer Protection against Oxidative Damage in PC12 Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 1521-1531.	5.2	133

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19	Selective Selenol Fluorescent Probes: Design, Synthesis, Structural Determinants, and Biological Applications. <i>Journal of the American Chemical Society</i> , 2015, 137, 757-769.	13.7	164
20	Synthesis of Piperlongumine Analogues and Discovery of Nuclear Factor Erythroid 2-Related Factor 2 (Nrf2) Activators as Potential Neuroprotective Agents. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 5242-5255.	6.4	115
21	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
22	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
23	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
24	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
25	Curcumin targeting the thioredoxin system elevates oxidative stress in HeLa cells. <i>Toxicology and Applied Pharmacology</i> , 2012, 262, 341-348.	2.8	96
26	Small molecule inhibitors of mammalian thioredoxin reductase. <i>Free Radical Biology and Medicine</i> , 2012, 52, 257-265.	2.9	155