

# Xiangming Guan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4917057/publications.pdf>

Version: 2024-02-01

27  
papers

1,608  
citations

566801

15  
h-index

580395

25  
g-index

29  
all docs

29  
docs citations

29  
times ranked

2954  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cancer metastases: challenges and opportunities. <i>Acta Pharmaceutica Sinica B</i> , 2015, 5, 402-418.	5.7	678
2	A simultaneous liquid chromatography/mass spectrometric assay of glutathione, cysteine, homocysteine and their disulfides in biological samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003, 31, 251-261.	1.4	263
3	Determination of thiols and disulfides via HPLC quantification of 5-thio-2-nitrobenzoic acid. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 48, 1375-1380.	1.4	153
4	Enhancement of Radiation Response in Breast Cancer Stem Cells by Inhibition of Thioredoxin- and Glutathione-Dependent Metabolism. <i>Radiation Research</i> , 2016, 186, 385.	0.7	87
5	Effects of glutathione reductase inhibition on cellular thiol redox state and related systems. <i>Archives of Biochemistry and Biophysics</i> , 2009, 485, 56-62.	1.4	56
6	Characterization of a Novel Dithiocarbamate Glutathione Reductase Inhibitor and Its Use as a Tool to Modulate Intracellular Glutathione. <i>Journal of Biological Chemistry</i> , 2009, 284, 2729-2737.	1.6	54
7	Increase in thiol oxidative stress via glutathione reductase inhibition as a novel approach to enhance cancer sensitivity to X-ray irradiation. <i>Free Radical Biology and Medicine</i> , 2009, 47, 176-183.	1.3	47
8	Benzofurazan Sulfides for Thiol Imaging and Quantification in Live Cells through Fluorescence Microscopy. <i>Analytical Chemistry</i> , 2012, 84, 6877-6883.	3.2	31
9	Fluorescent Probes for Live Cell Thiol Detection. <i>Molecules</i> , 2021, 26, 3575.	1.7	28
10	Evaluation of a dithiocarbamate derivative as an inhibitor of human glutaredoxin-1. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2013, 28, 456-462.	2.5	24
11	Rapid and Thiol-Specific High-Throughput Assay for Simultaneous Relative Quantification of Total Thiols, Protein Thiols, and Nonprotein Thiols in Cells. <i>Analytical Chemistry</i> , 2015, 87, 649-655.	3.2	24
12	Identification of S-(n-Butylcarbamoyl)glutathione, a Reactive Carbamoylating Metabolite of Tolbutamide in the Rat, and Evaluation of Its Inhibitory Effects on Glutathione Reductase in Vitro. <i>Chemical Research in Toxicology</i> , 1999, 12, 1138-1143.	1.7	22
13	Glutathione and Mercapturic Acid Conjugates of Sulofenur and Their Activity against a Human Colon Cancer Cell Line. <i>Drug Metabolism and Disposition</i> , 2002, 30, 331-335.	1.7	21
14	Microtubule S-glutathionylation as a potential approach for antimetabolic agents. <i>BMC Cancer</i> , 2012, 12, 245.	1.1	21
15	2-Acetylamino-3-[4-(2-acetylamino-2-carboxyethylsulfanylcarbonylamino)-phenylcarbamoylsulfanyl]propionic Acid and Its Derivatives as a Novel Class of Glutathione Reductase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 5224-5231.	2.9	15
16	In Vitro and In Vivo Tumor Growth Inhibition by Glutathione Disulfide Liposomes. <i>Cancer Growth and Metastasis</i> , 2017, 10, 117906441769607.	3.5	12
17	Thiol Specific and Mitochondria Selective Fluorogenic Benzofurazan Sulfide for Live Cell Nonprotein Thiol Imaging and Quantification in Mitochondria. <i>Analytical Chemistry</i> , 2018, 90, 8170-8177.	3.2	12
18	Non-protein thiol imaging and quantification in live cells with a novel benzofurazan sulfide triphenylphosphonium fluorogenic compound. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 3417-3427.	1.9	10

#	ARTICLE	IF	CITATIONS
19	Glutathione disulfide liposomes“ A research tool for the study of glutathione disulfide associated functions and dysfunctions. <i>Biochemistry and Biophysics Reports</i> , 2016, 7, 225-229.	0.7	9
20	In Vitro and In Vivo Antimetastatic Effect of Glutathione Disulfide Liposomes. <i>Cancer Growth and Metastasis</i> , 2017, 10, 117906441769525.	3.5	9
21	Design, synthesis, and biological evaluation of N-acetyl-S-(p-chlorophenylcarbamoyl)cysteine and its analogs as a novel class of anticancer agents. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 287-294.	1.4	8
22	Thiol-specific fluorogenic agent for live cell non-protein thiol imaging in lysosomes. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 6463-6473.	1.9	7
23	Design, Synthesis, and Characterization of Bis(7-(2-morpholinoethyl)sulfamoyl)benzo[1,2,5]oxadiazol-5-yl)sulfane for Nonprotein Thiol Imaging in Lysosomes in Live Cells. <i>Analytical Chemistry</i> , 2019, 91, 15300-15307.	3.2	6
24	2-(2-Cholesteroxyethoxy)ethyl 3 <sup>2</sup> -S-glutathionylpropionate and its self-assembled micelles for brain delivery: Design, synthesis and evaluation. <i>International Journal of Pharmaceutics</i> , 2021, 600, 120520.	2.6	6
25	Evaluation of N-acetyl-S-(p-chlorophenylcarbamoyl)cysteine as an irreversible inhibitor of mammalian thioredoxin reductase1. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 229-235.	2.5	5
26	Metabolic Activation and Drug Targeting. , 2005, , 201-244.		0
27	Editorial of Virtual Special Issue on Progress in Medicinal Chemistry. <i>Acta Pharmaceutica Sinica B</i> , 2016, 6, 510-511.	5.7	0