Jie Zhang

List of Publications by Year in descending order

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49 papers	1,883 citations	304743 22 h-index	265206 42 g-index
52 all docs	52 docs citations	52 times ranked	3367 citing authors

#	Article	IF	Citations
1	Causes and Consequences of Cysteine S-Glutathionylation. Journal of Biological Chemistry, 2013, 288, 26497-26504.	3.4	266
2	Oxidative stress, redox regulation and diseases of cellular differentiation. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 1607-1621.	2.4	188
3	Inhibition of Tumor Angiogenesis and Growth by a Small-Molecule Multi-FGF Receptor Blocker with Allosteric Properties. Cancer Cell, 2013, 23, 477-488.	16.8	138
4	An evolving understanding of the S-glutathionylation cycle in pathways of redox regulation. Free Radical Biology and Medicine, 2018, 120, 204-216.	2.9	118
5	Synthesis and Characterization of a Series of Highly Fluorogenic Substrates for Glutathione Transferases, a General Strategy. Journal of the American Chemical Society, 2011, 133, 14109-14119.	13.7	112
6	Microsomal glutathione transferase 1: mechanism and functional roles. Drug Metabolism Reviews, 2011, 43, 300-306.	3.6	97
7	GlutathioneS-Transferase P-Mediated Protein S-Glutathionylation of Resident Endoplasmic Reticulum Proteins Influences Sensitivity to Drug-Induced Unfolded Protein Response. Antioxidants and Redox Signaling, 2017, 26, 247-261.	5.4	72
8	SARS-CoV-2 neutralizing antibody levels are correlated with severity of COVID-19 pneumonia. Biomedicine and Pharmacotherapy, 2020, 130, 110629.	5.6	55
9	Characterization of New Potential Anticancer Drugs Designed To Overcome Glutathione Transferase Mediated Resistance. Molecular Pharmaceutics, 2011, 8, 1698-1708.	4.6	50
10	Advances in capillary electrophoretically mediated microanalysis: An update. Electrophoresis, 2006, 27, 35-43.	2.4	45
11	Pleiotropic Functions of Glutathione S-Transferase P. Advances in Cancer Research, 2014, 122, 143-175.	5.0	45
12	Cisplatin chemotherapy and renal function. Advances in Cancer Research, 2021, 152, 305-327.	5.0	45
13	Advances in CEâ€mediated microanalysis: An update. Electrophoresis, 2008, 29, 56-65.	2.4	44
14	Chemical Reactivity Window Determines Prodrug Efficiency toward Glutathione Transferase Overexpressing Cancer Cells. Molecular Pharmaceutics, 2016, 13, 2010-2025.	4.6	37
15	MGST1, a GSH transferase/peroxidase essential for development and hematopoietic stem cell differentiation. Redox Biology, 2018, 17, 171-179.	9.0	37
16	Recent developments and applications of EMMA in enzymatic and derivatization reactions. Electrophoresis, 2010, 31, 65-73.	2.4	36
17	Fibroblast Growth Factor Signaling Affects Vascular Outgrowth and Is Required for the Maintenance of Blood Vessel Integrity. Chemistry and Biology, 2014, 21, 1310-1317.	6.0	34
18	Altered redox regulation and S-glutathionylation of BiP contribute to bortezomib resistance in multiple myeloma. Free Radical Biology and Medicine, 2020, 160, 755-767.	2.9	30

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19	S-Glutathionylation of estrogen receptor Î± affects dendritic cell function. Journal of Biological Chemistry, 2018, 293, 4366-4380.	3.4	29
20	Kinetic study of cytochrome P450 by capillary electrophoretically mediated microanalysis. Electrophoresis, 2008, 29, 3694-3700.	2.4	27
21	Isoflavone ME-344 Disrupts Redox Homeostasis and Mitochondrial Function by Targeting Heme Oxygenase 1. Cancer Research, 2019, 79, 4072-4085.	0.9	27
22	Application of Capillary Electrophoresis in Drug Metabolism Studies. Current Analytical Chemistry, 2007, 3, 197-217.	1.2	24
23	3-ketodihydrosphingosine reductase mutation induces steatosis and hepatic injury in zebrafish. Scientific Reports, 2019, 9, 1138.	3.3	23
24	Nuclear PFKP promotes CXCR4-dependent infiltration by T cell acute lymphoblastic leukemia. Journal of Clinical Investigation, 2021, 131, .	8.2	23
25	Interlaboratory study of a NACE method for the determination ofR-timolol content inS-timolol maleate: Assessment of uncertainty. Electrophoresis, 2006, 27, 2386-2399.	2.4	22
26	Chiral capillary electrophoretic analysis of verapamil metabolism by cytochrome P450 3A4. Journal of Chromatography A, 2006, 1120, 94-101.	3.7	20
27	Pharmacology of ME-344, a novel cytotoxic isoflavone. Advances in Cancer Research, 2019, 142, 187-207.	5.0	20
28	Metabolism of melphalan by rat liver microsomal glutathione S-transferase. Chemico-Biological Interactions, 2005, 152, 101-106.	4.0	17
29	Universal Caging Group for the inâ€Cell Detection of Glutathione Transferase Applied to ¹⁹F NMR and Bioluminogenic Probes. ChemBioChem, 2012, 13, 1428-1432.	2.6	17
30	Fluorogenic probes using 4-substituted-2-nitrobenzenesulfonyl derivatives as caging groups for the analysis of human glutathione transferase catalyzed reactions. Analyst, The, 2013, 138, 7326.	3.5	17
31	Glutathione S-Transferase P Influences Redox and Migration Pathways in Bone Marrow. PLoS ONE, 2014, 9, e107478.	2.5	15
32	Palmitic Acid-Enriched Diet Induces Hepatic Steatosis and Injury in Adult Zebrafish. Zebrafish, 2019, 16, 497-504.	1.1	15
33	Kinetic study of CYP3A4 activity on verapamil by capillary electrophoresis. Journal of Pharmaceutical and Biomedical Analysis, 2005, 39, 612-617.	2.8	14
34	Eupalinolide J Suppresses the Growth of Triple-Negative Breast Cancer Cells via Targeting STAT3 Signaling Pathway. Frontiers in Pharmacology, 2019, 10, 1071.	3.5	13
35	A seleno-hormetine protects bone marrow hematopoietic cells against ionizing radiation-induced toxicities. PLoS ONE, 2019, 14, e0205626.	2.5	13
36	Endoplasmic Reticulum Protein Disulfide Isomerase Shapes T Cell Efficacy for Adoptive Cellular Therapy of Tumors. Cells, 2019, 8, 1514.	4.1	13

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37	Metabolism of chlorambucil by rat liver microsomal glutathione S-transferase. Chemico-Biological Interactions, 2004, 149, 61-67.	4.0	11
38	Kinetic study of cytochrome P450 3A4 activity on warfarin by capillary electrophoresis with fluorescence detection. Journal of Chromatography A, 2005, 1082, 235-239.	3.7	11
39	Racial disparities, cancer and response to oxidative stress. Advances in Cancer Research, 2019, 144, 343-383.	5.0	10
40	Development of Telintra as an Inhibitor of Glutathione S-Transferase P. Handbook of Experimental Pharmacology, 2020, 264, 71-91.	1.8	10
41	Relationship between activation of microsomal glutathione S-transferase and metabolism behavior of chlorambucil. Pharmacological Research, 2003, 48, 623-630.	7.1	8
42	S-Glutathionylated Serine Proteinase Inhibitors as Biomarkers for Radiation Exposure in Prostate Cancer Patients. Scientific Reports, 2019, 9, 13792.	3.3	7
43	Mitochondrial Function in Enamel Development. Frontiers in Physiology, 2020, 11, 538.	2.8	7
44	Screening of drug metabolism by CE. Electrophoresis, 2006, 27, 4827-4835.	2.4	6
45	Flavin Adenine Dinucleotide Depletion Caused by electron transfer flavoprotein subunit alpha Haploinsufficiency Leads to Hepatic Steatosis and Injury in Zebrafish. Hepatology Communications, 2021, 5, 976-991.	4.3	3
46	A Synthetic Small RNA Homologous to the D-Loop Transcript of mtDNA Enhances Mitochondrial Bioenergetics. Frontiers in Physiology, 2022, 13, 772313.	2.8	3
47	Glutathione S-Transferase P Influences Redox Homeostasis and Response to Drugs that Induce the Unfolded Protein Response in Zebrafish. Journal of Pharmacology and Experimental Therapeutics, 2021, 377, 121-132.	2.5	2
48	Sulfiredoxin. , 2018, , 5221-5232.		1
49	Sulfiredoxin. , 2017, , 1-12.		0