

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	A Synthetic Small RNA Homologous to the D-Loop Transcript of mtDNA Enhances Mitochondrial Bioenergetics. <i>Frontiers in Physiology</i> , 2022, 13, 772313.	2.8	3
2	Glutathione S-Transferase P Influences Redox Homeostasis and Response to Drugs that Induce the Unfolded Protein Response in Zebrafish. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2021, 377, 121-132.	2.5	2
3	Cisplatin chemotherapy and renal function. <i>Advances in Cancer Research</i> , 2021, 152, 305-327.	5.0	45
4	Flavin Adenine Dinucleotide Depletion Caused by electron transfer flavoprotein subunit alpha Haploinsufficiency Leads to Hepatic Steatosis and Injury in Zebrafish. <i>Hepatology Communications</i> , 2021, 5, 976-991.	4.3	3
5	Nuclear PFKP promotes CXCR4-dependent infiltration by T cell acute lymphoblastic leukemia. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	23
6	Altered redox regulation and S-glutathionylation of BiP contribute to bortezomib resistance in multiple myeloma. <i>Free Radical Biology and Medicine</i> , 2020, 160, 755-767.	2.9	30
7	Development of Telintra as an Inhibitor of Glutathione S-Transferase P. <i>Handbook of Experimental Pharmacology</i> , 2020, 264, 71-91.	1.8	10
8	SARS-CoV-2 neutralizing antibody levels are correlated with severity of COVID-19 pneumonia. <i>Biomedicine and Pharmacotherapy</i> , 2020, 130, 110629.	5.6	55
9	Mitochondrial Function in Enamel Development. <i>Frontiers in Physiology</i> , 2020, 11, 538.	2.8	7
10	Palmitic Acid-Enriched Diet Induces Hepatic Steatosis and Injury in Adult Zebrafish. <i>Zebrafish</i> , 2019, 16, 497-504.	1.1	15
11	S-Glutathionylated Serine Proteinase Inhibitors as Biomarkers for Radiation Exposure in Prostate Cancer Patients. <i>Scientific Reports</i> , 2019, 9, 13792.	3.3	7
12	Eupalinolide J Suppresses the Growth of Triple-Negative Breast Cancer Cells via Targeting STAT3 Signaling Pathway. <i>Frontiers in Pharmacology</i> , 2019, 10, 1071.	3.5	13
13	Isoflavone ME-344 Disrupts Redox Homeostasis and Mitochondrial Function by Targeting Heme Oxygenase 1. <i>Cancer Research</i> , 2019, 79, 4072-4085.	0.9	27
14	Racial disparities, cancer and response to oxidative stress. <i>Advances in Cancer Research</i> , 2019, 144, 343-383.	5.0	10
15	A seleno-hormetine protects bone marrow hematopoietic cells against ionizing radiation-induced toxicities. <i>PLoS ONE</i> , 2019, 14, e0205626.	2.5	13
16	Pharmacology of ME-344, a novel cytotoxic isoflavone. <i>Advances in Cancer Research</i> , 2019, 142, 187-207.	5.0	20
17	3-ketodihydrosphingosine reductase mutation induces steatosis and hepatic injury in zebrafish. <i>Scientific Reports</i> , 2019, 9, 1138.	3.3	23
18	Endoplasmic Reticulum Protein Disulfide Isomerase Shapes T Cell Efficacy for Adoptive Cellular Therapy of Tumors. <i>Cells</i> , 2019, 8, 1514.	4.1	13

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19	MGST1, a GSH transferase/peroxidase essential for development and hematopoietic stem cell differentiation. <i>Redox Biology</i> , 2018, 17, 171-179.	9.0	37
20	S-Glutathionylation of estrogen receptor $\hat{\pm}$ affects dendritic cell function. <i>Journal of Biological Chemistry</i> , 2018, 293, 4366-4380.	3.4	29
21	An evolving understanding of the S-glutathionylation cycle in pathways of redox regulation. <i>Free Radical Biology and Medicine</i> , 2018, 120, 204-216.	2.9	118
22	Sulfiredoxin. , 2018, , 5221-5232.		1
23	Glutathione S-Transferase P-Mediated Protein S-Glutathionylation of Resident Endoplasmic Reticulum Proteins Influences Sensitivity to Drug-Induced Unfolded Protein Response. <i>Antioxidants and Redox Signaling</i> , 2017, 26, 247-261.	5.4	72
24	Sulfiredoxin. , 2017, , 1-12.		0
25	Chemical Reactivity Window Determines Prodrug Efficiency toward Glutathione Transferase Overexpressing Cancer Cells. <i>Molecular Pharmaceutics</i> , 2016, 13, 2010-2025.	4.6	37
26	Oxidative stress, redox regulation and diseases of cellular differentiation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 1607-1621.	2.4	188
27	Glutathione S-Transferase P Influences Redox and Migration Pathways in Bone Marrow. <i>PLoS ONE</i> , 2014, 9, e107478.	2.5	15
28	Fibroblast Growth Factor Signaling Affects Vascular Outgrowth and Is Required for the Maintenance of Blood Vessel Integrity. <i>Chemistry and Biology</i> , 2014, 21, 1310-1317.	6.0	34
29	Pleiotropic Functions of Glutathione S-Transferase P. <i>Advances in Cancer Research</i> , 2014, 122, 143-175.	5.0	45
30	Fluorogenic probes using 4-substituted-2-nitrobenzenesulfonyl derivatives as caging groups for the analysis of human glutathione transferase catalyzed reactions. <i>Analyst</i> , 2013, 138, 7326.	3.5	17
31	Inhibition of Tumor Angiogenesis and Growth by a Small-Molecule Multi-FGF Receptor Blocker with Allosteric Properties. <i>Cancer Cell</i> , 2013, 23, 477-488.	16.8	138
32	Causes and Consequences of Cysteine S-Glutathionylation. <i>Journal of Biological Chemistry</i> , 2013, 288, 26497-26504.	3.4	266
33	Universal Caging Group for the in-Cell Detection of Glutathione Transferase Applied to ¹⁹ F NMR and Bioluminescent Probes. <i>ChemBioChem</i> , 2012, 13, 1428-1432.	2.6	17
34	Synthesis and Characterization of a Series of Highly Fluorogenic Substrates for Glutathione Transferases, a General Strategy. <i>Journal of the American Chemical Society</i> , 2011, 133, 14109-14119.	18.7	112
35	Microsomal glutathione transferase 1: mechanism and functional roles. <i>Drug Metabolism Reviews</i> , 2011, 43, 300-306.	3.6	97
36	Characterization of New Potential Anticancer Drugs Designed To Overcome Glutathione Transferase Mediated Resistance. <i>Molecular Pharmaceutics</i> , 2011, 8, 1698-1708.	4.6	50

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37	Recent developments and applications of EMMA in enzymatic and derivatization reactions. <i>Electrophoresis</i> , 2010, 31, 65-73.	2.4	36
38	Advances in CE-mediated microanalysis: An update. <i>Electrophoresis</i> , 2008, 29, 56-65.	2.4	44
39	Kinetic study of cytochrome P450 by capillary electrophoretically mediated microanalysis. <i>Electrophoresis</i> , 2008, 29, 3694-3700.	2.4	27
40	Application of Capillary Electrophoresis in Drug Metabolism Studies. <i>Current Analytical Chemistry</i> , 2007, 3, 197-217.	1.2	24
41	Chiral capillary electrophoretic analysis of verapamil metabolism by cytochrome P450 3A4. <i>Journal of Chromatography A</i> , 2006, 1120, 94-101.	3.7	20
42	Advances in capillary electrophoretically mediated microanalysis: An update. <i>Electrophoresis</i> , 2006, 27, 35-43.	2.4	45
43	Interlaboratory study of a NACE method for the determination of R-timolol content in S-timolol maleate: Assessment of uncertainty. <i>Electrophoresis</i> , 2006, 27, 2386-2399.	2.4	22
44	Screening of drug metabolism by CE. <i>Electrophoresis</i> , 2006, 27, 4827-4835.	2.4	6
45	Kinetic study of CYP3A4 activity on verapamil by capillary electrophoresis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 39, 612-617.	2.8	14
46	Kinetic study of cytochrome P450 3A4 activity on warfarin by capillary electrophoresis with fluorescence detection. <i>Journal of Chromatography A</i> , 2005, 1082, 235-239.	3.7	11
47	Metabolism of melphalan by rat liver microsomal glutathione S-transferase. <i>Chemico-Biological Interactions</i> , 2005, 152, 101-106.	4.0	17
48	Metabolism of chlorambucil by rat liver microsomal glutathione S-transferase. <i>Chemico-Biological Interactions</i> , 2004, 149, 61-67.	4.0	11
49	Relationship between activation of microsomal glutathione S-transferase and metabolism behavior of chlorambucil. <i>Pharmacological Research</i> , 2003, 48, 623-630.	7.1	8