

Zhigang Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

2,654
citations

126858

33
h-index

189801

50
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62
all docs

62
docs citations

62
times ranked

2276
citing authors

#	ARTICLE	IF	CITATIONS
1	The link between deacetylation and hepatotoxicity induced by exposure to hexavalent chromium. <i>Journal of Advanced Research</i> , 2022, 35, 129-140.	4.4	49
2	Harmful Effects of Inorganic Mercury Exposure on Kidney Cells: Mitochondrial Dynamics Disorder and Excessive Oxidative Stress. <i>Biological Trace Element Research</i> , 2022, 200, 1591-1597.	1.9	43
3	Effect of inorganic mercury exposure on reproductive system of male mice: Immunosuppression and fibrosis in testis. <i>Environmental Toxicology</i> , 2022, 37, 69-78.	2.1	15
4	Activation of the GPX4/TLR4 Signaling Pathway Participates in the Alleviation of Selenium Yeast on Deltamethrin-Provoked Cerebrum Injury in Quails. <i>Molecular Neurobiology</i> , 2022, 59, 2946-2961.	1.9	30
5	The heart as a target for deltamethrin toxicity: Inhibition of Nrf2/HO-1 pathway induces oxidative stress and results in inflammation and apoptosis. <i>Chemosphere</i> , 2022, 300, 134479.	4.2	46
6	Deltamethrin induces apoptosis in cerebrum neurons of quail via promoting endoplasmic reticulum stress and mitochondrial dysfunction. <i>Environmental Toxicology</i> , 2022, 37, 2033-2043.	2.1	31
7	Inorganic mercury induces liver oxidative stress injury in quails by inhibiting Akt/Nrf2 signal pathway. <i>Inorganic Chemistry Communication</i> , 2022, 142, 109603.	1.8	3
8	Inhibition of the Nrf2 signaling pathway involved in imidacloprid α -induced liver fibrosis in <i>Coturnix japonica</i> . <i>Environmental Toxicology</i> , 2022, 37, 2354-2365.	2.1	6
9	Hexavalent chromium induced heart dysfunction via Sesn2-mediated impairment of mitochondrial function and energy supply. <i>Chemosphere</i> , 2021, 264, 128547.	4.2	63
10	Exploring the liver fibrosis induced by deltamethrin exposure in quails and elucidating the protective mechanism of resveratrol. <i>Ecotoxicology and Environmental Safety</i> , 2021, 207, 111501.	2.9	65
11	A broadly neutralizing monoclonal antibody induces broad protection against heterogeneous PRRSV strains in piglets. <i>Veterinary Research</i> , 2021, 52, 45.	1.1	9
12	Inhibition of the Nrf2/p38MAPK pathway involved in deltamethrin-induced apoptosis and fibrosis in quail kidney. <i>Food and Chemical Toxicology</i> , 2021, 155, 112382.	1.8	18
13	Pulmonary inflammatory and fibrogenic response induced by graphitized multi-walled carbon nanotube involved in cGAS-STING signaling pathway. <i>Journal of Hazardous Materials</i> , 2021, 417, 125984.	6.5	47
14	Toxicological effects of deltamethrin on quail cerebrum: Weakened antioxidant defense and enhanced apoptosis. <i>Environmental Pollution</i> , 2021, 286, 117319.	3.7	58
15	The aggravation of allergic airway inflammation with dibutyl phthalate involved in Nrf2-mediated activation of the mast cells. <i>Science of the Total Environment</i> , 2021, 789, 148029.	3.9	12
16	Luteolin alleviates inorganic mercury-induced kidney injury via activation of the AMPK/mTOR autophagy pathway. <i>Journal of Inorganic Biochemistry</i> , 2021, 224, 111583.	1.5	18
17	Sulforaphane prevents chromium-induced lung injury in rats via activation of the Akt/GSK-3 β /Fyn pathway. <i>Environmental Pollution</i> , 2020, 259, 113812.	3.7	74
18	Deltamethrin induces liver fibrosis in quails via activation of the TGF- β 1/Smad signaling pathway. <i>Environmental Pollution</i> , 2020, 259, 113870.	3.7	41

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19	Dietary luteolin protects against renal anemia in mice. <i>Journal of Functional Foods</i> , 2020, 65, 103740.	1.6	18
20	Imidacloprid-induced liver fibrosis in quails via activation of the TGF- β 1/Smad pathway. <i>Science of the Total Environment</i> , 2020, 705, 135915.	3.9	66
21	Sulforaphane attenuates hexavalent chromium-induced cardiotoxicity via the activation of the Sesn2/AMPK/Nrf2 signaling pathway. <i>Metallomics</i> , 2020, 12, 2009-2020.	1.0	26
22	Inflammation response after the cessation of chronic arsenic exposure and post-treatment of natural astaxanthin in liver: potential role of cytokine-mediated cell-cell interactions. <i>Food and Function</i> , 2020, 11, 9252-9262.	2.1	57
23	Hexavalent chromium induces renal apoptosis and autophagy via disordering the balance of mitochondrial dynamics in rats. <i>Ecotoxicology and Environmental Safety</i> , 2020, 204, 111061.	2.9	48
24	Dibutyl phthalate induces allergic airway inflammation in rats via inhibition of the Nrf2/TSLP/JAK1 pathway. <i>Environmental Pollution</i> , 2020, 267, 115564.	3.7	30
25	PRRSV Vaccine Strain-Induced Secretion of Extracellular ISG15 Stimulates Porcine Alveolar Macrophage Antiviral Response against PRRSV. <i>Viruses</i> , 2020, 12, 1009.	1.5	8
26	Hexavalent chromium induces mitochondrial dynamics disorder in rat liver by inhibiting AMPK/PGC-1 β signaling pathway. <i>Environmental Pollution</i> , 2020, 265, 114855.	3.7	69
27	Rapamycin maintains NAD ⁺ /NADH redox homeostasis in muscle cells. <i>Aging</i> , 2020, 12, 17786-17799.	1.4	19
28	Dietary melatonin attenuates chromium-induced lung injury via activating the Sirt1/Pgc-1 β /Nrf2 pathway. <i>Food and Function</i> , 2019, 10, 5555-5565.	2.1	151
29	Exploring the kidney hazard of exposure to mercuric chloride in mice: Disorder of mitochondrial dynamics induces oxidative stress and results in apoptosis. <i>Chemosphere</i> , 2019, 234, 822-829.	4.2	64
30	Melatonin protects against chromium(VI)-induced cardiac injury via activating the AMPK/Nrf2 pathway. <i>Journal of Inorganic Biochemistry</i> , 2019, 197, 110698.	1.5	65
31	Role of A2B adenosine receptor-dependent adenosine signaling in multi-walled carbon nanotube-triggered lung fibrosis in mice. <i>Journal of Nanobiotechnology</i> , 2019, 17, 45.	4.2	26
32	Protective effects of dietary luteolin against mercuric chloride-induced lung injury in mice: Involvement of AKT/Nrf2 and NF- κ B pathways. <i>Food and Chemical Toxicology</i> , 2018, 113, 296-302.	1.8	101
33	Grape seed procyanidin extract protects against Pb-induced lung toxicity by activating the AMPK/Nrf2/p62 signaling axis. <i>Food and Chemical Toxicology</i> , 2018, 116, 59-69.	1.8	86
34	Dietary grape seed proanthocyanidin extract regulates metabolic disturbance in rat liver exposed to lead associated with PPAR β signaling pathway. <i>Environmental Pollution</i> , 2018, 237, 377-387.	3.7	33
35	Grape seed procyanidin extract ameliorates lead-induced liver injury via miRNA153 and AKT/GSK-3 β /Fyn-mediated Nrf2 activation. <i>Journal of Nutritional Biochemistry</i> , 2018, 52, 115-123.	1.9	71
36	Dietary luteolin protects against HgCl ₂ -induced renal injury via activation of Nrf2-mediated signaling in rat. <i>Journal of Inorganic Biochemistry</i> , 2018, 179, 24-31.	1.5	59

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37	Luteolin-mediated PI3K/AKT/Nrf2 signaling pathway ameliorates inorganic mercury-induced cardiac injury. <i>Ecotoxicology and Environmental Safety</i> , 2018, 161, 655-661.	2.9	62
38	Nicotinamide adenine dinucleotide is transported into mammalian mitochondria. <i>ELife</i> , 2018, 7, .	2.8	111
39	Dietary grape seed procyanidin extract protects against lead-induced heart injury in rats involving endoplasmic reticulum stress inhibition and AKT activation. <i>Journal of Nutritional Biochemistry</i> , 2018, 62, 43-49.	1.9	25
40	Effects of selenium on apoptosis and abnormal amino acid metabolism induced by excess fatty acid in isolated rat hepatocytes. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1700016.	1.5	38
41	Activation of the Nrf2 Signaling Pathway Involving KLF9 Plays a Critical Role in Allicin Resisting Against Arsenic Trioxide-Induced Hepatotoxicity in Rats. <i>Biological Trace Element Research</i> , 2017, 176, 192-200.	1.9	43
42	Dietary luteolin attenuates chronic liver injury induced by mercuric chloride via the Nrf2/NF- κ B/P53 signaling pathway in rats. <i>Oncotarget</i> , 2017, 8, 40982-40993.	0.8	52
43	GSPE reduces lead-induced oxidative stress by activating the Nrf2 pathway and suppressing miR153 and GSK-3 β in rat kidney. <i>Oncotarget</i> , 2017, 8, 42226-42237.	0.8	58
44	Regulation of Sirt1/Nrf2/TNF- α signaling pathway by luteolin is critical to attenuate acute mercuric chloride exposure induced hepatotoxicity. <i>Scientific Reports</i> , 2016, 6, 37157.	1.6	121
45	Nephroprotective effect of astaxanthin against trivalent inorganic arsenic-induced renal injury in wistar rats. <i>Nutrition Research and Practice</i> , 2014, 8, 46.	0.7	37
46	Resveratrol, a Natural Antioxidant, Has a Protective Effect on Liver Injury Induced by Inorganic Arsenic Exposure. <i>BioMed Research International</i> , 2014, 2014, 1-7.	0.9	39
47	Protective effect of resveratrol on arsenic trioxide-induced nephrotoxicity in rats. <i>Nutrition Research and Practice</i> , 2014, 8, 220.	0.7	32
48	Protective effect of resveratrol on arsenic trioxide-induced nephrotoxicity in rats. <i>Nutrition Research and Practice</i> , 2014, 8, 220.	0.7	2
49	Resveratrol protects against arsenic trioxide-induced nephrotoxicity by facilitating arsenic metabolism and decreasing oxidative stress. <i>Archives of Toxicology</i> , 2013, 87, 1025-1035.	1.9	82
50	Resveratrol attenuates hepatotoxicity of rats exposed to arsenic trioxide. <i>Food and Chemical Toxicology</i> , 2013, 51, 87-92.	1.8	74
51	Suppressive effect of accumulated aluminum trichloride on the hepatic microsomal cytochrome P450 enzyme system in rats. <i>Food and Chemical Toxicology</i> , 2013, 51, 210-214.	1.8	18
52	Attenuation of arsenic retention by resveratrol in lung of arsenic trioxide-exposed rats. <i>Environmental Toxicology and Pharmacology</i> , 2013, 36, 35-39.	2.0	11
53	High-Energy Diet at Antepartum Decreases Insulin Receptor Gene Expression in Adipose Tissue of Postpartum Dairy Cows. <i>Bulletin of the Veterinary Institute in Pulawy = Biuletyn Instytutu Weterynarii W Pulawach</i> , 2013, 57, 203-207.	0.4	5
54	The Protective Role of Resveratrol against Arsenic Trioxide-Induced Cardiotoxicity. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-8.	0.5	39

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55	Effects of Subchronic Aluminum Exposure on Serum Concentrations of Iron and Iron-Associated Proteins in Rats. <i>Biological Trace Element Research</i> , 2011, 141, 246-253.	1.9	30
56	Effects of Aluminum Exposure on Bone Mineral Density, Mineral, and Trace Elements in Rats. <i>Biological Trace Element Research</i> , 2011, 143, 378-385.	1.9	55
57	Effects of Subchronic Aluminum Exposure on the Immune Function of Erythrocytes in Rats. <i>Biological Trace Element Research</i> , 2011, 143, 1576-1580.	1.9	23
58	Effects of Aluminum Exposure on Serum Sex Hormones and Androgen Receptor Expression in Male Rats. <i>Biological Trace Element Research</i> , 2011, 144, 1050-1058.	1.9	34
59	Concentrations of Sodium, Potassium, Magnesium, and Iron in the Serum of Dairy Cows with Subclinical Ketosis. <i>Biological Trace Element Research</i> , 2011, 144, 525-528.	1.9	5
60	High Insulin Concentrations Repress Insulin Receptor Gene Expression in Calf Hepatocytes Cultured <i>in Vitro</i> . <i>Cellular Physiology and Biochemistry</i> , 2011, 27, 637-640.	1.1	18
61	Evaluation of the Change of Serum Copper and Zinc Concentrations of Dairy Cows with Subclinical Ketosis. <i>Biological Trace Element Research</i> , 2010, 138, 8-12.	1.9	13