# Zhigang Zhang

List of Publications by Year
in descending order

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| 61 | 2,654 | 126858 | 189801 |
|---|---|---|---|
| papers | citations | 33 h-index | 50 g-index |

| 62 | 62 | 62 | 2276 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Dietary melatonin attenuates chromium-induced lung injuryviaactivating the Sirt1/Pgc-1Î±/Nrf2 pathway. Food and Function, 2019, 10, 5555-5565. | 2.1 | 151 |
| 2 | Regulation of Sirt1/Nrf2/TNF-Î± signaling pathway by luteolin is critical to attenuate acute mercuric chloride exposure induced hepatotoxicity. Scientific Reports, 2016, 6, 37157. | 1.6 | 121 |
| 3 | Nicotinamide adenine dinucleotide is transported into mammalian mitochondria. ELife, 2018, 7, . | 2.8 | 111 |
| 4 | Protective effects of dietary luteolin against mercuric chloride-induced lung injury in mice: Involvement of AKT/Nrf2 and NF-ÎºB pathways. Food and Chemical Toxicology, 2018, 113, 296-302. | 1.8 | 101 |
| 5 | Grape seed procyanidin extract protects against Pb-induced lung toxicity by activating the AMPK/Nrf2/p62 signaling axis. Food and Chemical Toxicology, 2018, 116, 59-69. | 1.8 | 86 |
| 6 | Resveratrol protects against arsenic trioxide-induced nephrotoxicity by facilitating arsenic metabolism and decreasing oxidative stress. Archives of Toxicology, 2013, 87, 1025-1035. | 1.9 | 82 |
| 7 | Resveratrol attenuates hepatotoxicity of rats exposed to arsenic trioxide. Food and Chemical Toxicology, 2013, 51, 87-92. | 1.8 | 74 |
| 8 | Sulforaphane prevents chromium-induced lung injury in rats via activation of the Akt/GSK-3Î²/Fyn pathway. Environmental Pollution, 2020, 259, 113812. | 3.7 | 74 |
| 9 | Grape seed procyanidin extract ameliorates lead-induced liver injury via miRNA153 and AKT/GSK-3Î²/Fyn-mediated Nrf2 activation. Journal of Nutritional Biochemistry, 2018, 52, 115-123. | 1.9 | 71 |
| 10 | Hexavalent chromium induces mitochondrial dynamics disorder in rat liver by inhibiting AMPK/PGC-1Î± signaling pathway. Environmental Pollution, 2020, 265, 114855. | 3.7 | 69 |
| 11 | Imidacloprid-induced liver fibrosis in quails via activation of the TGF-Î²1/Smad pathway. Science of the Total Environment, 2020, 705, 135915. | 3.9 | 66 |
| 12 | Melatonin protects against chromium(VI)-induced cardiac injury via activating the AMPK/Nrf2 pathway. Journal of Inorganic Biochemistry, 2019, 197, 110698. | 1.5 | 65 |
| 13 | Exploring the liver fibrosis induced by deltamethrin exposure in quails and elucidating the protective mechanism of resveratrol. Ecotoxicology and Environmental Safety, 2021, 207, 111501. | 2.9 | 65 |
| 14 | Exploring the kidney hazard of exposure to mercuric chloride in mice:Disorder of mitochondrial dynamics induces oxidative stress and results in apoptosis. Chemosphere, 2019, 234, 822-829. | 4.2 | 64 |
| 15 | Hexavalent chromium induced heart dysfunction via Sesn2-mediated impairment of mitochondrial function and energy supply. Chemosphere, 2021, 264, 128547. | 4.2 | 63 |
| 16 | Luteolin-mediated PI3K/AKT/Nrf2 signaling pathway ameliorates inorganic mercury-induced cardiac injury. Ecotoxicology and Environmental Safety, 2018, 161, 655-661. | 2.9 | 62 |
| 17 | Dietary luteolin protects against HgCl2-induced renal injury via activation of Nrf2-mediated signaling in rat. Journal of Inorganic Biochemistry, 2018, 179, 24-31. | 1.5 | 59 |
| 18 | GSPE reduces lead-induced oxidative stress by activating the Nrf2 pathway and suppressing miR153 and GSK-3Î² in rat kidney. Oncotarget, 2017, 8, 42226-42237. | 0.8 | 58 |

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|---|---|---|---|
| 19 | Toxicological effects of deltamethrin on quail cerebrum: Weakened antioxidant defense and enhanced apoptosis. Environmental Pollution, 2021, 286, 117319. | 3.7 | 58 |
| 20 | Inflammation response after the cessation of chronic arsenic exposure and post-treatment of natural astaxanthin in liver: potential role of cytokine-mediated cellâ€“cell interactions. Food and Function, 2020, 11, 9252-9262. | 2.1 | 57 |
| 21 | Effects of Aluminum Exposure on Bone Mineral Density, Mineral, and Trace Elements in Rats. Biological Trace Element Research, 2011, 143, 378-385. | 1.9 | 55 |
| 22 | Dietary luteolin attenuates chronic liver injury induced by mercuric chloride via the Nrf2/NF-ÎºB/P53 signaling pathway in rats. Oncotarget, 2017, 8, 40982-40993. | 0.8 | 52 |
| 23 | The link between deacetylation and hepatotoxicity induced by exposure to hexavalent chromium. Journal of Advanced Research, 2022, 35, 129-140. | 4.4 | 49 |
| 24 | Hexavalent chromium induces renal apoptosis and autophagy via disordering the balance of mitochondrial dynamics in rats. Ecotoxicology and Environmental Safety, 2020, 204, 111061. | 2.9 | 48 |
| 25 | Pulmonary inflammatory and fibrogenic response induced by graphitized multi-walled carbon nanotube involved in cGAS-STING signaling pathway. Journal of Hazardous Materials, 2021, 417, 125984. | 6.5 | 47 |
| 26 | The heart as a target for deltamethrin toxicity: Inhibition of Nrf2/HO-1 pathway induces oxidative stress and results in inflammation and apoptosis. Chemosphere, 2022, 300, 134479. | 4.2 | 46 |
| 27 | Activation of the Nrf2 Signaling Pathway Involving KLF9 Plays a Critical Role in Allicin Resisting Against Arsenic Trioxide-Induced Hepatotoxicity in Rats. Biological Trace Element Research, 2017, 176, 192-200. | 1.9 | 43 |
| 28 | Harmful Effects of Inorganic Mercury Exposure on Kidney Cells: Mitochondrial Dynamics Disorder and Excessive Oxidative Stress. Biological Trace Element Research, 2022, 200, 1591-1597. | 1.9 | 43 |
| 29 | Deltamethrin induces liver fibrosis in quails via activation of the TGF-Î²1/Smad signaling pathway. Environmental Pollution, 2020, 259, 113870. | 3.7 | 41 |
| 30 | The Protective Role of Resveratrol against Arsenic Trioxide-Induced Cardiotoxicity. Evidence-based Complementary and Alternative Medicine, 2013, 2013, 1-8. | 0.5 | 39 |
| 31 | Resveratrol, a Natural Antioxidant, Has a Protective Effect on Liver Injury Induced by Inorganic Arsenic Exposure. BioMed Research International, 2014, 2014, 1-7. | 0.9 | 39 |
| 32 | Effects of selenium on apoptosis and abnormal amino acid metabolism induced by excess fatty acid in isolated rat hepatocytes. Molecular Nutrition and Food Research, 2017, 61, 1700016. | 1.5 | 38 |
| 33 | Nephroprotective effect of astaxanthin against trivalent inorganic arsenic-induced renal injury in wistar rats. Nutrition Research and Practice, 2014, 8, 46. | 0.7 | 37 |
| 34 | Effects of Aluminum Exposure on Serum Sex Hormones and Androgen Receptor Expression in Male Rats. Biological Trace Element Research, 2011, 144, 1050-1058. | 1.9 | 34 |
| 35 | Dietary grape seed proanthocyanidin extract regulates metabolic disturbance in rat liver exposed to lead associated with PPARÎ± signaling pathway. Environmental Pollution, 2018, 237, 377-387. | 3.7 | 33 |
| 36 | Protective effect of resveratrol on arsenic trioxide-induced nephrotoxicity in rats. Nutrition Research and Practice, 2014, 8, 220. | 0.7 | 32 |

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|---|---|---|---|
| 37 | Deltamethrin induces apoptosis in cerebrum neurons of quail via promoting endoplasmic reticulum stress and mitochondrial dysfunction. Environmental Toxicology, 2022, 37, 2033-2043. | 2.1 | 31 |
| 38 | Effects of Subchronic Aluminum Exposure on Serum Concentrations of Iron and Iron-Associated Proteins in Rats. Biological Trace Element Research, 2011, 141, 246-253. | 1.9 | 30 |
| 39 | Dibutyl phthalate induces allergic airway inflammation in rats via inhibition of the Nrf2/TSLP/JAK1 pathway. Environmental Pollution, 2020, 267, 115564. | 3.7 | 30 |
| 40 | Activation of the GPX4/TLR4 Signaling Pathway Participates in the Alleviation of Selenium Yeast on Deltamethrin-Provoked Cerebrum Injury in Quails. Molecular Neurobiology, 2022, 59, 2946-2961. | 1.9 | 30 |
| 41 | Role of A2B adenosine receptor-dependent adenosine signaling in multi-walled carbon nanotube-triggered lung fibrosis in mice. Journal of Nanobiotechnology, 2019, 17, 45. | 4.2 | 26 |
| 42 | Sulforaphane attenuates hexavalent chromium-induced cardiotoxicity via the activation of the Sesn2/AMPK/Nrf2 signaling pathway. Metallomics, 2020, 12, 2009-2020. | 1.0 | 26 |
| 43 | Dietary grape seed procyanidin extract protects against lead-induced heart injury in rats involving endoplasmic reticulum stress inhibition and AKT activation. Journal of Nutritional Biochemistry, 2018, 62, 43-49. | 1.9 | 25 |
| 44 | Effects of Subchronic Aluminum Exposure on the Immune Function of Erythrocytes in Rats. Biological Trace Element Research, 2011, 143, 1576-1580. | 1.9 | 23 |
| 45 | Rapamycin maintains NAD+/NADH redox homeostasis in muscle cells. Aging, 2020, 12, 17786-17799. | 1.4 | 19 |
| 46 | High Insulin Concentrations Repress Insulin Receptor Gene Expression in Calf Hepatocytes Cultured <i>in Vitro</i>. Cellular Physiology and Biochemistry, 2011, 27, 637-640. | 1.1 | 18 |
| 47 | Suppressive effect of accumulated aluminum trichloride on the hepatic microsomal cytochrome P450 enzyme system in rats. Food and Chemical Toxicology, 2013, 51, 210-214. | 1.8 | 18 |
| 48 | Dietary luteolin protects against renal anemia in mice. Journal of Functional Foods, 2020, 65, 103740. | 1.6 | 18 |
| 49 | Inhibition of the Nrf2/p38MAPK pathway involved in deltamethrin-induced apoptosis and fibrosis in quail kidney. Food and Chemical Toxicology, 2021, 155, 112382. | 1.8 | 18 |
| 50 | Luteolin alleviates inorganic mercury-induced kidney injury via activation of the AMPK/mTOR autophagy pathway. Journal of Inorganic Biochemistry, 2021, 224, 111583. | 1.5 | 18 |
| 51 | Effect of inorganic mercury exposure on reproductive system of male mice: Immunosuppression and fibrosis in testis. Environmental Toxicology, 2022, 37, 69-78. | 2.1 | 15 |
| 52 | Evaluation of the Change of Serum Copper and Zinc Concentrations of Dairy Cows with Subclinical Ketosis. Biological Trace Element Research, 2010, 138, 8-12. | 1.9 | 13 |
| 53 | The aggravation of allergic airway inflammation with dibutyl phthalate involved in Nrf2-mediated activation of the mast cells. Science of the Total Environment, 2021, 789, 148029. | 3.9 | 12 |
| 54 | Attenuation of arsenic retention by resveratrol in lung of arsenic trioxide-exposed rats. Environmental Toxicology and Pharmacology, 2013, 36, 35-39. | 2.0 | 11 |

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|---|---|---|---|
| 55 | A broadly neutralizing monoclonal antibody induces broad protection against heterogeneous PRRSV strains in piglets. Veterinary Research, 2021, 52, 45. | 1.1 | 9 |
| 56 | PRRSV Vaccine Strain-Induced Secretion of Extracellular ISG15 Stimulates Porcine Alveolar Macrophage Antiviral Response against PRRSV. Viruses, 2020, 12, 1009. | 1.5 | 8 |
| 57 | Inhibition of the Nrf2 signaling pathway involved in imidaclopridâ€induced liver fibrosis in Coturnix japonica. Environmental Toxicology, 2022, 37, 2354-2365. | 2.1 | 6 |
| 58 | Concentrations of Sodium, Potassium, Magnesium, and Iron in the Serum of Dairy Cows with Subclinical Ketosis. Biological Trace Element Research, 2011, 144, 525-528. | 1.9 | 5 |
| 59 | High-Energy Diet at Antepartum Decreases Insulin Receptor Gene Expression in Adipose Tissue of Postpartum Dairy Cows. Bulletin of the Veterinary Institute in Pulawy = Biuletyn Instytutu Weterynarii W Pulawach, 2013, 57, 203-207. | 0.4 | 5 |
| 60 | Inorganic mercury induces liver oxidative stress injury in quails by inhibiting Akt/Nrf2 signal pathway. Inorganic Chemistry Communication, 2022, 142, 109603. | 1.8 | 3 |
| 61 | Protective effect of resveratrol on arsenic trioxide-induced nephrotoxicity in rats. Nutrition Research and Practice, 2014, 8, 220. | 0.7 | 2 |