

# Juan Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

790  
citations

516561

16  
h-index

580701

25  
g-index

56  
all docs

56  
docs citations

56  
times ranked

947  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | MiR-181 mediates cell differentiation by interrupting the Lin28 and let-7 feedback circuit. <i>Cell Death and Differentiation</i> , 2012, 19, 378-386.   | 5.0 | 117       |
| 2  | Overexpression of HIF-1 $\alpha$ could partially protect K562 cells from 1,4-benzoquinone induced toxicity by inhibiting ROS, apoptosis and enhancing glycolysis. <i>Toxicology in Vitro</i> , 2019, 55, 18-23.              | 1.1 | 40        |
| 3  | Benzene exposure induces gut microbiota dysbiosis and metabolic disorder in mice. <i>Science of the Total Environment</i> , 2020, 705, 135879.   | 3.9 | 39        |
| 4  | An overview of research trends and genetic polymorphisms for noise-induced hearing loss from 2009 to 2018. <i>Environmental Science and Pollution Research</i> , 2019, 26, 34754-34774.                                      | 2.7 | 34        |
| 5  | Benzene Exposure Alters Expression of Enzymes Involved in Fatty Acid $\beta$ -Oxidation in Male C3H/He Mice. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 1068.                      | 1.2 | 28        |
| 6  | Benzene-Induced Aberrant miRNA Expression Profile in Hematopoietic Progenitor Cells in C57BL/6 Mice. <i>International Journal of Molecular Sciences</i> , 2015, 16, 27058-27071.   | 1.8 | 27        |
| 7  | A Novel and Native Microcystin-Degrading Bacterium of <i>Sphingopyxis</i> sp. Isolated from Lake Taihu. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 1187.                           | 1.2 | 26        |
| 8  | Investigation into Variation of Endogenous Metabolites in Bone Marrow Cells and Plasma in C3H/He Mice Exposed to Benzene. <i>International Journal of Molecular Sciences</i> , 2014, 15, 4994-5010.                          | 1.8 | 25        |
| 9  | Ferroptosis is involved in the benzene-induced hematotoxicity in mice via iron metabolism, oxidative stress and NRF2 signaling pathway. <i>Chemico-Biological Interactions</i> , 2022, 362, 110004.                          | 1.7 | 25        |
| 10 | Further Understanding of Degradation Pathways of Microcystin-LR by an Indigenous <i>Sphingopyxis</i> sp. in Environmentally Relevant Pollution Concentrations. <i>Toxins</i> , 2018, 10, 536.                                | 1.5 | 24        |
| 11 | Prodigiosin induces apoptosis and inhibits autophagy via the extracellular signal-regulated kinase pathway in K562 cells. <i>Toxicology in Vitro</i> , 2019, 60, 107-115.  | 1.1 | 24        |
| 12 | Metabonomics Biomarkers for Subacute Toxicity Screening for Benzene Exposure in Mice. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2012, 75, 1163-1173.                                  | 1.1 | 22        |
| 13 | Toxicity in hematopoietic stem cells from bone marrow and peripheral blood in mice after benzene exposure: Single-cell transcriptome sequencing analysis. <i>Ecotoxicology and Environmental Safety</i> , 2021, 207, 111490. | 2.9 | 20        |
| 14 | Aberrant Production of Th1/Th2/Th17-Related Cytokines in Serum of C57BL/6 Mice after Short-Term Formaldehyde Exposure. <i>International Journal of Environmental Research and Public Health</i> , 2014, 11, 10036-10050.     | 1.2 | 18        |
| 15 | Acetyl-L-carnitine partially prevents benzene-induced hematotoxicity and oxidative stress in C3H/He mice. <i>Environmental Toxicology and Pharmacology</i> , 2017, 51, 108-113.  | 2.0 | 17        |
| 16 | Occupational benzene exposure and the risk of genetic damage: a systematic review and meta-analysis. <i>BMC Public Health</i> , 2020, 20, 1113.  | 1.2 | 17        |
| 17 | Effects of Microcystin-LR on Metabolic Functions and Structure Succession of Sediment Bacterial Community under Anaerobic Conditions. <i>Toxins</i> , 2020, 12, 183.   | 1.5 | 16        |
| 18 | Study on the reproductive toxicity and mechanism of tri-n-butyl phosphate (TnBP) in <i>Caenorhabditis elegans</i> . <i>Ecotoxicology and Environmental Safety</i> , 2021, 227, 112896.                                       | 2.9 | 15        |

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|----|---|-----|-----------|
| 19 | Altered Expression of Genes in Signaling Pathways Regulating Proliferation of Hematopoietic Stem and Progenitor Cells in Mice with Subchronic Benzene Exposure. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 9298-9313. | 1.2 | 14        |
| 20 | Inhibition of Glucose-6-Phosphate Dehydrogenase Could Enhance 1,4-Benzoquinone-Induced Oxidative Damage in K562 Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-11.   | 1.9 | 14        |
| 21 | Plasma metabolomics investigation reveals involvement of fatty acid oxidation in hematotoxicity in Chinese benzene-exposed workers with low white blood cell count. <i>Environmental Science and Pollution Research</i> , 2018, 25, 32506-32514.                | 2.7 | 13        |
| 22 | Removal of microcystins from water and primary treatment technologies – A comprehensive understanding based on bibliometric and content analysis, 1991–2020. <i>Journal of Environmental Management</i> , 2022, 305, 114349.                                    | 3.8 | 13        |
| 23 | Hearing Loss Characteristics of Workers with Hypertension Exposed to Occupational Noise: A Cross-Sectional Study of 270,033 Participants. <i>BioMed Research International</i> , 2018, 2018, 1-6.   | 0.9 | 12        |
| 24 | Plasma metabolomic profiling in workers with noise-induced hearing loss: a pilot study. <i>Environmental Science and Pollution Research</i> , 2021, 28, 68539-68550.  | 2.7 | 12        |
| 25 | Involvement of hypoxia-inducible factor-1 $\hat{\pm}$ (HIF-1 $\hat{\pm}$ ) in inhibition of benzene on mouse hematopoietic system. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2016, 79, 402-406.                          | 1.1 | 11        |
| 26 | Immunosuppression characterized by increased Treg cell and IL-10 levels in benzene-induced hematopoietic toxicity mouse model. <i>Toxicology</i> , 2021, 464, 152990.   | 2.0 | 11        |
| 27 | LincRNA-p21 promotes p21-mediated cell cycle arrest in benzene-induced hematotoxicity by sponging miRNA-17-5p. <i>Environmental Pollution</i> , 2022, 296, 118706.  | 3.7 | 10        |
| 28 | Self-poisoning with pesticides in Jiangsu Province, China: a cross-sectional study on 24,602 subjects. <i>BMC Psychiatry</i> , 2020, 20, 545.   | 1.1 | 8         |
| 29 | Indoor unclean fuel cessation linked with adult cognitive performance in China. <i>Science of the Total Environment</i> , 2021, 775, 145518.  | 3.9 | 8         |
| 30 | Association between NFE2L2 Gene Polymorphisms and Noise-induced Hearing Loss in a Chinese Population. <i>Biomedical and Environmental Sciences</i> , 2019, 32, 465-470.   | 0.2 | 8         |
| 31 | Short-term ambient particulate air pollution exposure, microRNAs, blood pressure and lung function. <i>Environmental Pollution</i> , 2022, 292, 118387.   | 3.7 | 8         |
| 32 | Small Molecule Metabolite Biomarker Candidates in Urine from Mice Exposed to Formaldehyde. <i>International Journal of Molecular Sciences</i> , 2014, 15, 16458-16468.  | 1.8 | 7         |
| 33 | CARD8 polymorphism rs2043211 protects against noise-induced hearing loss by causing the dysfunction of CARD8 protein. <i>Environmental Science and Pollution Research</i> , 2021, 28, 8626-8636.  | 2.7 | 7         |
| 34 | Multiple pathways for the anaerobic biodegradation of microcystin-LR in the enriched microbial communities from Lake Taihu. <i>Environmental Pollution</i> , 2022, 297, 118787.   | 3.7 | 7         |
| 35 | Seasonal variation and health risk assessment of organophosphate esters in surface and drinking water in Nanjing, China. <i>International Journal of Environmental Science and Technology</i> , 2023, 20, 411-422.  | 1.8 | 7         |
| 36 | TMT-Based Quantitative Proteomics Reveals Cochlear Protein Profile Alterations in Mice with Noise-Induced Hearing Loss. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 382.   | 1.2 | 7         |

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|----|--|-----|-----------|
| 37 | Single-Nucleotide Polymorphisms in <i>XPO5</i> are Associated with Noise-Induced Hearing Loss in a Chinese Population. <i>Biochemistry Research International</i> , 2020, 2020, 1-10.  | 1.5 | 6         |
| 38 | A functional SNP in miR-625-5p binding site of AKT2 3'UTR is associated with noise-induced hearing loss susceptibility in the Chinese population. <i>Environmental Science and Pollution Research</i> , 2021, 28, 40782-40792.                               | 2.7 | 6         |
| 39 | Lipidomic analysis reveals disturbances in glycerophospholipid and sphingolipid metabolic pathways in benzene-exposed mice. <i>Toxicology Research</i> , 2021, 10, 706-718.  | 0.9 | 6         |
| 40 | Acute Pesticide Poisoning in Jiangsu Province, China, from 2006 to 2015. <i>Biomedical and Environmental Sciences</i> , 2017, 30, 695-700.   | 0.2 | 6         |
| 41 | Metabolomics Analysis Reveals Alterations in Cochlear Metabolic Profiling in Mice with Noise-Induced Hearing Loss. <i>BioMed Research International</i> , 2022, 2022, 1-15.  | 0.9 | 6         |
| 42 | Overexpression of G6PD and HSP90 Beta in Mice with Benzene Exposure Revealed by Serum Peptidome Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 11241-11253.  | 1.2 | 5         |
| 43 | Types of Exposure Pesticide Poisoning in Jiangsu Province, China; The Epidemiologic Trend between 2006 and 2018. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2586.  | 1.2 | 5         |
| 44 | Carnitine protects against 1,4-benzoquinone-induced apoptosis and DNA damage by suppressing oxidative stress and promoting fatty acid oxidation in K562 cells. <i>Environmental Toxicology</i> , 2020, 35, 1033-1042.  | 2.1 | 5         |
| 45 | PTP4A3, A Novel Target Gene of HIF-1alpha, Participates in Benzene-Induced Cell Proliferation Inhibition and Apoptosis through PI3K/AKT Pathway. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 910.                   | 1.2 | 5         |
| 46 | Polymorphisms in the FAS gene are associated with susceptibility to noise-induced hearing loss. <i>Environmental Science and Pollution Research</i> , 2021, 28, 21754-21765.   | 2.7 | 5         |
| 47 | Research development and trends of benzene-induced leukemia from 1990 to 2019-A bibliometric analysis. <i>Environmental Science and Pollution Research</i> , 2022, 29, 9626-9639.  | 2.7 | 5         |
| 48 | Associations of Genetic Variation in Glyceraldehyde 3-Phosphate Dehydrogenase Gene with Noise-Induced Hearing Loss in a Chinese Population: A Case-Control Study. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 2899. | 1.2 | 4         |
| 49 | A novel living environment exposure matrix of the common organic air pollutants for exposure assessment. <i>Ecotoxicology and Environmental Safety</i> , 2021, 215, 112118.  | 2.9 | 4         |
| 50 | Global Identification of HIF-1 Target Genes in Benzene Poisoning Mouse Bone Marrow Cells. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2531.   | 1.2 | 3         |
| 51 | Gender differences in hematotoxicity of benzene-exposed workers, three cross-sectional studies on 218,061 subjects. <i>Environmental Science and Pollution Research</i> , 2021, 28, 57297-57307.   | 2.7 | 3         |
| 52 | Evi1 involved in benzene-induced haematotoxicity via modulation of PI3K/mTOR pathway and negative regulation Serpinb2. <i>Chemico-Biological Interactions</i> , 2022, 354, 109836.   | 1.7 | 3         |
| 53 | The effects of glucose-6-phosphate dehydrogenase deficiency on benzene-induced hematotoxicity in mice. <i>Ecotoxicology and Environmental Safety</i> , 2021, 226, 112803.  | 2.9 | 1         |
| 54 | Biodegradation of Nodularin by a Microcystin-Degrading Bacterium: Performance, Degradation Pathway, and Potential Application. <i>Toxins</i> , 2021, 13, 813.  | 1.5 | 1         |

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|----|---|-----|-----------|
| 55 | Hearing loss and hypertension among noise-exposed workers: a pilot study based on baseline data. International Journal of Environmental Health Research, 2023, 33, 783-795. | 1.3 | 0         |