Zhen Zou

List of Publications by Year
in descending order

69 papers	3,056 citations	201575 27 h-index	168321 53 g-index
71 all docs	71 docs citations	71 times ranked	6967 citing authors

#	Article	IF	Citations
1	Exposure to di (2-ethylhexyl) phthalate causes locomotor increase and anxiety-like behavior via induction of oxidative stress in brain. Toxicology Mechanisms and Methods, 2023, 33, 113-122.	1.3	1
2	Results of a 30-day safety assessment in young mice orally exposed to polystyrene nanoparticles. Environmental Pollution, 2022, 292, 118184.	3.7	31
3	Downregulation of beclin 1 restores arsenite-induced impaired autophagic flux by improving the lysosomal function in the brain. Ecotoxicology and Environmental Safety, 2022, 229, 113066.	2.9	8
4	Preventive effects of traditional Chinese medicine formula Huoxiangzhengqi against lipopolysaccharide-induced inflammatory response. Phytomedicine, 2022, 99, 153968.	2.3	4
5	Modulatory Effects of Huoxiang Zhengqi Oral Liquid on Gut Microbiome Homeostasis Based on Healthy Adults and Antibiotic-Induced Gut Microbial Dysbiosis Mice Model. Frontiers in Pharmacology, 2022, 13, 841990.	1.6	3
6	The effects of gestational diabetes mellitus with maternal age between 35 and 40â€‰years on the metabolite profiles of plasma and urine. BMC Pregnancy and Childbirth, 2022, 22, 174.	0.9	5
7	Avian influenza viruses suppress innate immunity by inducing trans-transcriptional readthrough via SSU72. , 2022, 19, 702-714.		5
8	PINK1/TAX1BP1-directed mitophagy attenuates vascular endothelial injury induced by copper oxide nanoparticles. Journal of Nanobiotechnology, 2022, 20, 149.	4.2	17
9	Repression of autophagy leads to acrosome biogenesis disruption caused by a sub-chronic oral administration of polystyrene nanoparticles. Environment International, 2022, 163, 107220.	4.8	25
10	Recombinant ACE2 protein protects against acute lung injury induced by SARS-CoV-2 spike RBD protein. Critical Care, 2022, 26, .	2.5	8
11	Polystyrene nanoparticles aggravate the adverse effects of di-(2-ethylhexyl) phthalate on different segments of intestine in mice. Chemosphere, 2022, 305, 135324.	4.2	8
12	Reciprocal regulation of NRF2 by autophagy and ubiquitinâ€“proteasome modulates vascular endothelial injury induced by copper oxide nanoparticles. Journal of Nanobiotechnology, 2022, 20, .	4.2	8
13	Associations of early pregnancy BMI with adverse pregnancy outcomes and infant neurocognitive development. Scientific Reports, 2021, 11, 3793.	1.6	7
14	Ferritinophagy is involved in the zinc oxide nanoparticles-induced ferroptosis of vascular endothelial cells. Autophagy, 2021, 17, 4266-4285.	4.3	162
15	Knock-down of transcription factor skinhead-1 exacerbates arsenite-induced oxidative damage in Caenorhabditis elegans. BioMetals, 2021, 34, 675-686.	1.8	0
16	Pulmonary Exposure to Copper Oxide Nanoparticles Leads to Neurotoxicity via Oxidative Damage and Mitochondrial Dysfunction. Neurotoxicity Research, 2021, 39, 1160-1170.	1.3	8
17	Arsenite induces ferroptosis in the neuronal cells via activation of ferritinophagy. Food and Chemical Toxicology, 2021, 151, 112114.	1.8	36
18	Stabilization of Nrf2 leading to HO-1 activation protects against zinc oxide nanoparticles-induced endothelial cell death. Nanotoxicology, 2021, 15, 779-797.	1.6	11

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19	Autophagy deficiency exacerbates acute lung injury induced by copper oxide nanoparticles. Journal of Nanobiotechnology, 2021, 19, 162.	4.2	21
20	Silicon dioxide nanoparticles induced neurobehavioral impairments by disrupting microbiotaâ€“gutâ€“brain axis. Journal of Nanobiotechnology, 2021, 19, 174.	4.2	34
21	Complex patterns of circulating fatty acid levels in gestational diabetes mellitus subclasses across pregnancy. Clinical Nutrition, 2021, 40, 4140-4148.	2.3	14
22	Pregnancy exposure of titanium dioxide nanoparticles causes intestinal dysbiosis and neurobehavioral impairments that are not significant postnatally but emerge in adulthood of offspring. Journal of Nanobiotechnology, 2021, 19, 234.	4.2	21
23	Exposure to carbon black nanoparticles during pregnancy aggravates lipopolysaccharide-induced lung injury in offspring: an intergenerational effect. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L900-L911.	1.3	4
24	Distinct Metagenomic Signatures in the SARS-CoV-2 Infection. Frontiers in Cellular and Infection Microbiology, 2021, 11, 706970.	1.8	13
25	A Potential Participant in Type 2 Diabetes Bone Fragility: TIMP-1 at Sites of Osteocyte Lacunar-Canalicular System. Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 2021, Volume 14, 4903-4909.	1.1	3
26	The lysosomal membrane protein LAMPâ€2 is dispensable for PINK1/Parkinâ€mediated mitophagy. FEBS Letters, 2020, 594, 823-840.	1.3	4
27	Gut-brain communication in hyperfunction of 5-hydroxytryptamine induced by oral zinc oxide nanoparticles exposure in young mice. Food and Chemical Toxicology, 2020, 135, 110906.	1.8	12
28	MiTF is Associated with Chemoresistance to Cisplatin in A549 Lung Cancer Cells via Modulating Lysosomal Biogenesis and Autophagy . Cancer Management and Research, 2020, Volume 12, 6563-6573.	0.9	16
29	Zinc Oxide Nanoparticles Induce Ferroptotic Neuronal Cell Death in vitro and in vivo . International Journal of Nanomedicine, 2020, Volume 15, 5299-5315.	3.3	33
30	Pregnancy exposure to carbon black nanoparticles induced neurobehavioral deficits that are associated with altered m6A modification in offspring. NeuroToxicology, 2020, 81, 40-50.	1.4	16
31	Crosstalk of gut microbiota and serum/hippocampus metabolites in neurobehavioral impairments induced by zinc oxide nanoparticles. Nanoscale, 2020, 12, 21429-21439.	2.8	29
32	Copper Oxide Nanoparticles Induce Oxidative DNA Damage and Cell Death via Copper Ion-Mediated P38 MAPK Activation in Vascular Endothelial Cells . International Journal of Nanomedicine, 2020, Volume 15, 3291-3302.	3.3	47
33	Arsenite induces testicular oxidative stress in vivo and in vitro leading to ferroptosis. Ecotoxicology and Environmental Safety, 2020, 194, 110360.	2.9	64
34	The NADPH oxidase 4 protects vascular endothelial cells from copper oxide nanoparticles-induced oxidative stress and cell death. Life Sciences, 2020, 252, 117571.	2.0	11
35	Titanium dioxide nanoparticles via oral exposure leads to adverse disturbance of gut microecology and locomotor activity in adult mice. Archives of Toxicology, 2020, 94, 1173-1190.	1.9	31
36	Exposure to carbon black nanoparticles increases seizure susceptibility in male mice. Nanotoxicology, 2020, 14, 595-611.	1.6	7

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37	The polyphenol ellagic acid exerts anti-inflammatory actions via disruption of store-operated calcium entry (SOCE) pathway activators and coupling mediators. European Journal of Pharmacology, 2020, 875, 173036.	1.7	12
38	Asymptomatic SARSâ€CoVâ€2 infected case with viral detection positive in stool but negative in nasopharyngeal samples lasts for 42 days. Journal of Medical Virology, 2020, 92, 1807-1809.	2.5	105
39	Heterozygous disruption of beclin 1 mitigates arsenite-induced neurobehavioral deficits via reshaping gut microbiota-brain axis. Journal of Hazardous Materials, 2020, 398, 122748.	6.5	20
40	Defending the homeland: microbiome molecules provide protection to their vertebrate hosts. Future Microbiology, 2020, 15, 1697-1712.	1.0	0
41	Lysosomal dysfunction is associated with persistent lung injury in dams caused by pregnancy exposure to carbon black nanoparticles. Life Sciences, 2019, 233, 116741.	2.0	15
42	Pregnancy exposure to carbon black nanoparticles exacerbates bleomycin-induced lung fibrosis in offspring via disrupting LKB1-AMPK-ULK1 axis-mediated autophagy. Toxicology, 2019, 425, 152244.	2.0	15
43	Exposure to carbon black nanoparticles during pregnancy persistently damages the cerebrovascular function in female mice. Toxicology, 2019, 422, 44-52.	2.0	25
44	Heterozygous Disruption of Beclin 1 Alleviates Zinc Oxide Nanoparticles-Induced Disturbance of Cholesterol Biosynthesis in Mouse Liver . International Journal of Nanomedicine, 2019, Volume 14, 9865-9875.	3.3	7
45	Ferroptosis is newly characterized form of neuronal cell death in response to arsenite exposure. NeuroToxicology, 2018, 67, 27-36.	1.4	65
46	Lysosomal deposition of copper oxide nanoparticles triggers HUVEC cells death. Biomaterials, 2018, 161, 228-239.	5.7	85
47	The size of zinc oxide nanoparticles controls its toxicity through impairing autophagic flux in A549 lung epithelial cells. Toxicology Letters, 2018, 285, 51-59.	0.4	52
48	Mechanically induced autophagy is associated with ATP metabolism and cellular viability in osteocytes in vitro. Redox Biology, 2018, 14, 492-498.	3.9	62
49	Maternal exposure to traffic pollutant causes impairment of spermatogenesis and alterations of genome-wide mRNA and microRNA expression in F2 male mice. Environmental Toxicology and Pharmacology, 2018, 64, 1-10.	2.0	6
50	Disruption of the superoxide anions-mitophagy regulation axis mediates copper oxide nanoparticles-induced vascular endothelial cell death. Free Radical Biology and Medicine, 2018, 129, 268-278.	1.3	33
51	Autophagy-dependent release of zinc ions is critical for acute lung injury triggered by zinc oxide nanoparticles. Nanotoxicology, 2018, 12, 1068-1091.	1.6	44
52	m6A Demethylase FTO Regulates Dopaminergic Neurotransmission Deficits Caused by Arsenite. Toxicological Sciences, 2018, 165, 431-446.	1.4	68
53	Novel osteogenic growth peptide C-terminal pentapeptide grafted poly(d,l-lactic acid) improves the proliferation and differentiation of osteoblasts: The potential bone regenerative biomaterial. International Journal of Biological Macromolecules, 2018, 119, 874-881.	3.6	7
54	LAMP-2 mediates oxidative stress-dependent cell death in Zn 2+ -treated lung epithelium cells. Biochemical and Biophysical Research Communications, 2017, 488, 177-181.	1.0	24

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55	TRIM25 is associated with cisplatin resistance in non-small-cell lung carcinoma A549Âcell line via downregulation of 14-3-3Ïƒ. Biochemical and Biophysical Research Communications, 2017, 493, 568-572.	1.0	20
56	Zinc oxide nanoparticles harness autophagy to induce cell death in lung epithelial cells. Cell Death and Disease, 2017, 8, e2954-e2954.	2.7	130
57	Nosocomial Co-Transmission of Avian Influenza A(H7N9) and A(H1N1)pdm09 Viruses between 2 Patients with Hematologic Disorders. Emerging Infectious Diseases, 2016, 22, 598-607.	2.0	23
58	The Serum Profile of Hypercytokinemia Factors Identified in H7N9-Infected Patients can Predict Fatal Outcomes. Scientific Reports, 2015, 5, 10942.	1.6	93
59	Cationic nanoparticles directly bind angiotensin-converting enzyme 2 and induce acute lung injury in mice. Particle and Fibre Toxicology, 2015, 12, 4.	2.8	44
60	Neuraminidase of Influenza A Virus Binds Lysosome-Associated Membrane Proteins Directly and Induces Lysosome Rupture. Journal of Virology, 2015, 89, 10347-10358.	1.5	42
61	Angiotensin II plasma levels are linked to disease severity and predict fatal outcomes in H7N9-infected patients. Nature Communications, 2014, 5, 3595.	5.8	137
62	Angiotensin-converting enzyme 2 protects from lethal avian influenza A H5N1 infections. Nature Communications, 2014, 5, 3594.	5.8	354
63	Identification of prognostic biomarkers in hepatitis B virus-related hepatocellular carcinoma and stratification by integrative multi-omics analysis. Journal of Hepatology, 2014, 61, 840-849.	1.8	131
64	Functionalized single-walled carbon nanotubes cause reversible acute lung injury and induce fibrosis in mice. Journal of Molecular Medicine, 2013, 91, 117-128.	1.7	23
65	Monoclonal antibody against CXCL-10/IP-10 ameliorates influenza A (H1N1) virus induced acute lung injury. Cell Research, 2013, 23, 577-580.	5.7	77
66	Anti-malaria drug chloroquine is highly effective in treating avian influenza A H5N1 virus infection in an animal model. Cell Research, 2013, 23, 300-302.	5.7	278
67	Inhibition of Autophagy Ameliorates Acute Lung Injury Caused by Avian Influenza A H5N1 Infection. Science Signaling, 2012, 5, ra16.	1.6	140
68	IL-17 response mediates acute lung injury induced by the 2009 Pandemic Influenza A (H1N1) Virus. Cell Research, 2012, 22, 528-538.	5.7	160
69	Corticosteroid Treatment Ameliorates Acute Lung Injury Induced by 2009 Swine Origin Influenza A (H1N1) Virus in Mice. PLoS ONE, 2012, 7, e44110.	1.1	32