

Zhen Zou

List of Publications by Year in descending order

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Version: 2024-02-01

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	Angiotensin-converting enzyme 2 protects from lethal avian influenza A H5N1 infections. <i>Nature Communications</i> , 2014, 5, 3594.	5.8	354
2	Anti-malaria drug chloroquine is highly effective in treating avian influenza A H5N1 virus infection in an animal model. <i>Cell Research</i> , 2013, 23, 300-302.	5.7	278
3	Ferritinophagy is involved in the zinc oxide nanoparticles-induced ferroptosis of vascular endothelial cells. <i>Autophagy</i> , 2021, 17, 4266-4285.	4.3	162
4	IL-17 response mediates acute lung injury induced by the 2009 Pandemic Influenza A (H1N1) Virus. <i>Cell Research</i> , 2012, 22, 528-538.	5.7	160
5	Inhibition of Autophagy Ameliorates Acute Lung Injury Caused by Avian Influenza A H5N1 Infection. <i>Science Signaling</i> , 2012, 5, ra16.	1.6	140
6	Angiotensin II plasma levels are linked to disease severity and predict fatal outcomes in H7N9-infected patients. <i>Nature Communications</i> , 2014, 5, 3595.	5.8	137
7	Identification of prognostic biomarkers in hepatitis B virus-related hepatocellular carcinoma and stratification by integrative multi-omics analysis. <i>Journal of Hepatology</i> , 2014, 61, 840-849.	1.8	131
8	Zinc oxide nanoparticles harness autophagy to induce cell death in lung epithelial cells. <i>Cell Death and Disease</i> , 2017, 8, e2954-e2954.	2.7	130
9	Asymptomatic SARS-CoV-2 infected case with viral detection positive in stool but negative in nasopharyngeal samples lasts for 42 days. <i>Journal of Medical Virology</i> , 2020, 92, 1807-1809.	2.5	105
10	The Serum Profile of Hypercytokinemia Factors Identified in H7N9-Infected Patients can Predict Fatal Outcomes. <i>Scientific Reports</i> , 2015, 5, 10942.	1.6	93
11	Lysosomal deposition of copper oxide nanoparticles triggers HUVEC cells death. <i>Biomaterials</i> , 2018, 161, 228-239.	5.7	85
12	Monoclonal antibody against CXCL-10/IP-10 ameliorates influenza A (H1N1) virus induced acute lung injury. <i>Cell Research</i> , 2013, 23, 577-580.	5.7	77
13	m6A Demethylase FTO Regulates Dopaminergic Neurotransmission Deficits Caused by Arsenite. <i>Toxicological Sciences</i> , 2018, 165, 431-446.	1.4	68
14	Ferroptosis is newly characterized form of neuronal cell death in response to arsenite exposure. <i>NeuroToxicology</i> , 2018, 67, 27-36.	1.4	65
15	Arsenite induces testicular oxidative stress in vivo and in vitro leading to ferroptosis. <i>Ecotoxicology and Environmental Safety</i> , 2020, 194, 110360.	2.9	64
16	Mechanically induced autophagy is associated with ATP metabolism and cellular viability in osteocytes in vitro. <i>Redox Biology</i> , 2018, 14, 492-498.	3.9	62
17	The size of zinc oxide nanoparticles controls its toxicity through impairing autophagic flux in A549 lung epithelial cells. <i>Toxicology Letters</i> , 2018, 285, 51-59.	0.4	52
18	<p>Copper Oxide Nanoparticles Induce Oxidative DNA Damage and Cell Death via Copper Ion-Mediated P38 MAPK Activation in Vascular Endothelial Cells</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 3291-3302.	3.3	47

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19	Cationic nanoparticles directly bind angiotensin-converting enzyme 2 and induce acute lung injury in mice. <i>Particle and Fibre Toxicology</i> , 2015, 12, 4.	2.8	44
20	Autophagy-dependent release of zinc ions is critical for acute lung injury triggered by zinc oxide nanoparticles. <i>Nanotoxicology</i> , 2018, 12, 1068-1091.	1.6	44
21	Neuraminidase of Influenza A Virus Binds Lysosome-Associated Membrane Proteins Directly and Induces Lysosome Rupture. <i>Journal of Virology</i> , 2015, 89, 10347-10358.	1.5	42
22	Arsenite induces ferroptosis in the neuronal cells via activation of ferritinophagy. <i>Food and Chemical Toxicology</i> , 2021, 151, 112114.	1.8	36
23	Silicon dioxide nanoparticles induced neurobehavioral impairments by disrupting microbiota-gut-brain axis. <i>Journal of Nanobiotechnology</i> , 2021, 19, 174.	4.2	34
24	Disruption of the superoxide anions-mitophagy regulation axis mediates copper oxide nanoparticles-induced vascular endothelial cell death. <i>Free Radical Biology and Medicine</i> , 2018, 129, 268-278.	1.3	33
25	Zinc Oxide Nanoparticles Induce Ferroptotic Neuronal Cell Death in vitro and in vivo. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 5299-5315.	3.3	33
26	Corticosteroid Treatment Ameliorates Acute Lung Injury Induced by 2009 Swine Origin Influenza A (H1N1) Virus in Mice. <i>PLoS ONE</i> , 2012, 7, e44110.	1.1	32
27	Titanium dioxide nanoparticles via oral exposure leads to adverse disturbance of gut microecology and locomotor activity in adult mice. <i>Archives of Toxicology</i> , 2020, 94, 1173-1190.	1.9	31
28	Results of a 30-day safety assessment in young mice orally exposed to polystyrene nanoparticles. <i>Environmental Pollution</i> , 2022, 292, 118184.	3.7	31
29	Crosstalk of gut microbiota and serum/hippocampus metabolites in neurobehavioral impairments induced by zinc oxide nanoparticles. <i>Nanoscale</i> , 2020, 12, 21429-21439.	2.8	29
30	Exposure to carbon black nanoparticles during pregnancy persistently damages the cerebrovascular function in female mice. <i>Toxicology</i> , 2019, 422, 44-52.	2.0	25
31	Repression of autophagy leads to acrosome biogenesis disruption caused by a sub-chronic oral administration of polystyrene nanoparticles. <i>Environment International</i> , 2022, 163, 107220.	4.8	25
32	LAMP-2 mediates oxidative stress-dependent cell death in Zn ²⁺ -treated lung epithelium cells. <i>Biochemical and Biophysical Research Communications</i> , 2017, 488, 177-181.	1.0	24
33	Functionalized single-walled carbon nanotubes cause reversible acute lung injury and induce fibrosis in mice. <i>Journal of Molecular Medicine</i> , 2013, 91, 117-128.	1.7	23
34	Nosocomial Co-Transmission of Avian Influenza A(H7N9) and A(H1N1)pdm09 Viruses between 2 Patients with Hematologic Disorders. <i>Emerging Infectious Diseases</i> , 2016, 22, 598-607.	2.0	23
35	Autophagy deficiency exacerbates acute lung injury induced by copper oxide nanoparticles. <i>Journal of Nanobiotechnology</i> , 2021, 19, 162.	4.2	21
36	Pregnancy exposure of titanium dioxide nanoparticles causes intestinal dysbiosis and neurobehavioral impairments that are not significant postnatally but emerge in adulthood of offspring. <i>Journal of Nanobiotechnology</i> , 2021, 19, 234.	4.2	21

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37	TRIM25 is associated with cisplatin resistance in non-small-cell lung carcinoma A549 cell line via downregulation of 14-3-3 β . <i>Biochemical and Biophysical Research Communications</i> , 2017, 493, 568-572.	1.0	20
38	Heterozygous disruption of beclin 1 mitigates arsenite-induced neurobehavioral deficits via reshaping gut microbiota-brain axis. <i>Journal of Hazardous Materials</i> , 2020, 398, 122748.	6.5	20
39	PINK1/TAX1BP1-directed mitophagy attenuates vascular endothelial injury induced by copper oxide nanoparticles. <i>Journal of Nanobiotechnology</i> , 2022, 20, 149.	4.2	17
40	MitF is Associated with Chemoresistance to Cisplatin in A549 Lung Cancer Cells via Modulating Lysosomal Biogenesis and Autophagy. <i>Cancer Management and Research</i> , 2020, Volume 12, 6563-6573.	0.9	16
41	Pregnancy exposure to carbon black nanoparticles induced neurobehavioral deficits that are associated with altered m6A modification in offspring. <i>NeuroToxicology</i> , 2020, 81, 40-50.	1.4	16
42	Lysosomal dysfunction is associated with persistent lung injury in dams caused by pregnancy exposure to carbon black nanoparticles. <i>Life Sciences</i> , 2019, 233, 116741.	2.0	15
43	Pregnancy exposure to carbon black nanoparticles exacerbates bleomycin-induced lung fibrosis in offspring via disrupting LKB1-AMPK-ULK1 axis-mediated autophagy. <i>Toxicology</i> , 2019, 425, 152244.	2.0	15
44	Complex patterns of circulating fatty acid levels in gestational diabetes mellitus subclasses across pregnancy. <i>Clinical Nutrition</i> , 2021, 40, 4140-4148.	2.3	14
45	Distinct Metagenomic Signatures in the SARS-CoV-2 Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 706970.	1.8	13
46	Gut-brain communication in hyperfunction of 5-hydroxytryptamine induced by oral zinc oxide nanoparticles exposure in young mice. <i>Food and Chemical Toxicology</i> , 2020, 135, 110906.	1.8	12
47	The polyphenol ellagic acid exerts anti-inflammatory actions via disruption of store-operated calcium entry (SOCE) pathway activators and coupling mediators. <i>European Journal of Pharmacology</i> , 2020, 875, 173036.	1.7	12
48	The NADPH oxidase 4 protects vascular endothelial cells from copper oxide nanoparticles-induced oxidative stress and cell death. <i>Life Sciences</i> , 2020, 252, 117571.	2.0	11
49	Stabilization of Nrf2 leading to HO-1 activation protects against zinc oxide nanoparticles-induced endothelial cell death. <i>Nanotoxicology</i> , 2021, 15, 779-797.	1.6	11
50	Pulmonary Exposure to Copper Oxide Nanoparticles Leads to Neurotoxicity via Oxidative Damage and Mitochondrial Dysfunction. <i>Neurotoxicity Research</i> , 2021, 39, 1160-1170.	1.3	8
51	Downregulation of beclin 1 restores arsenite-induced impaired autophagic flux by improving the lysosomal function in the brain. <i>Ecotoxicology and Environmental Safety</i> , 2022, 229, 113066.	2.9	8
52	Recombinant ACE2 protein protects against acute lung injury induced by SARS-CoV-2 spike RBD protein. <i>Critical Care</i> , 2022, 26, .	2.5	8
53	Polystyrene nanoparticles aggravate the adverse effects of di-(2-ethylhexyl) phthalate on different segments of intestine in mice. <i>Chemosphere</i> , 2022, 305, 135324.	4.2	8
54	Reciprocal regulation of NRF2 by autophagy and ubiquitin-proteasome modulates vascular endothelial injury induced by copper oxide nanoparticles. <i>Journal of Nanobiotechnology</i> , 2022, 20, .	4.2	8

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55	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. <i>International Journal of Biological Macromolecules</i> , 2018, 119, 874-881.	3.6	7
56	Heterozygous Disruption of Beclin 1 Alleviates Zinc Oxide Nanoparticles-Induced Disturbance of Cholesterol Biosynthesis in Mouse Liver. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 9865-9875.	3.3	7
57	Exposure to carbon black nanoparticles increases seizure susceptibility in male mice. <i>Nanotoxicology</i> , 2020, 14, 595-611.	1.6	7
58	Associations of early pregnancy BMI with adverse pregnancy outcomes and infant neurocognitive development. <i>Scientific Reports</i> , 2021, 11, 3793.	1.6	7
59	Maternal exposure to traffic pollutant causes impairment of spermatogenesis and alterations of genome-wide mRNA and microRNA expression in F2 male mice. <i>Environmental Toxicology and Pharmacology</i> , 2018, 64, 1-10.	2.0	6
60	The effects of gestational diabetes mellitus with maternal age between 35 and 40 years on the metabolite profiles of plasma and urine. <i>BMC Pregnancy and Childbirth</i> , 2022, 22, 174.	0.9	5
61	Avian influenza viruses suppress innate immunity by inducing trans-transcriptional readthrough via SSU72. , 2022, 19, 702-714.		5
62	The lysosomal membrane protein LAMP2 is dispensable for PINK1/Parkin-mediated mitophagy. <i>FEBS Letters</i> , 2020, 594, 823-840.	1.3	4
63	Exposure to carbon black nanoparticles during pregnancy aggravates lipopolysaccharide-induced lung injury in offspring: an intergenerational effect. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 321, L900-L911.	1.3	4
64	Preventive effects of traditional Chinese medicine formula Huoxiangzhengqi against lipopolysaccharide-induced inflammatory response. <i>Phytomedicine</i> , 2022, 99, 153968.	2.3	4
65	Modulatory Effects of Huoxiang Zhengqi Oral Liquid on Gut Microbiome Homeostasis Based on Healthy Adults and Antibiotic-Induced Gut Microbial Dysbiosis Mice Model. <i>Frontiers in Pharmacology</i> , 2022, 13, 841990.	1.6	3
66	A Potential Participant in Type 2 Diabetes Bone Fragility: TIMP-1 at Sites of Osteocyte Lacunar-Canalicular System. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2021, Volume 14, 4903-4909.	1.1	3
67	Exposure to di (2-ethylhexyl) phthalate causes locomotor increase and anxiety-like behavior via induction of oxidative stress in brain. <i>Toxicology Mechanisms and Methods</i> , 2023, 33, 113-122.	1.3	1
68	Knock-down of transcription factor skinhead-1 exacerbates arsenite-induced oxidative damage in <i>Caenorhabditis elegans</i> . <i>BioMetals</i> , 2021, 34, 675-686.	1.8	0
69	Defending the homeland: microbiome molecules provide protection to their vertebrate hosts. <i>Future Microbiology</i> , 2020, 15, 1697-1712.	1.0	0