

Jun Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,395
citations

331642

21
h-index

361001

35
g-index

50
all docs

50
docs citations

50
times ranked

1431
citing authors

#	ARTICLE	IF	CITATIONS
1	Ferritinophagy is involved in the zinc oxide nanoparticles-induced ferroptosis of vascular endothelial cells. <i>Autophagy</i> , 2021, 17, 4266-4285.	9.1	162
2	Zinc oxide nanoparticles harness autophagy to induce cell death in lung epithelial cells. <i>Cell Death and Disease</i> , 2017, 8, e2954-e2954.	6.3	130
3	Lysosomal deposition of copper oxide nanoparticles triggers HUVEC cells death. <i>Biomaterials</i> , 2018, 161, 228-239.	11.4	85
4	Arsenite induces testicular oxidative stress in vivo and in vitro leading to ferroptosis. <i>Ecotoxicology and Environmental Safety</i> , 2020, 194, 110360.	6.0	64
5	Establishment of a highly efficient virus-inducible CRISPR/Cas9 system in insect cells. <i>Antiviral Research</i> , 2016, 130, 50-57.	4.1	55
6	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.	0.8	52
7	Inhibition of BmNPV replication in silkworm cells using inducible and regulated artificial microRNA precursors targeting the essential viral gene lef-11. <i>Antiviral Research</i> , 2014, 104, 143-152.	4.1	48
8	<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.	6.7	47
9	Autophagy-dependent release of zinc ions is critical for acute lung injury triggered by zinc oxide nanoparticles. <i>Nanotoxicology</i> , 2018, 12, 1068-1091.	3.0	44
10	Bombyx mori nucleopolyhedrovirus ORF79 is a per os infectivity factor associated with the PIF complex. <i>Virus Research</i> , 2014, 184, 62-70.	2.2	36
11	Arsenite induces ferroptosis in the neuronal cells via activation of ferritinophagy. <i>Food and Chemical Toxicology</i> , 2021, 151, 112114.	3.6	36
12	Silicon dioxide nanoparticles induced neurobehavioral impairments by disrupting microbiotaâ€“gutâ€“brain axis. <i>Journal of Nanobiotechnology</i> , 2021, 19, 174.	9.1	34
13	TNF-Î± regulates the proteolytic degradation of ST6Gal-1 and endothelial cell-cell junctions through upregulating expression of BACE1. <i>Scientific Reports</i> , 2017, 7, 40256.	3.3	33
14	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.	2.9	33
15	<p>Zinc Oxide Nanoparticles Induce Ferroptotic Neuronal Cell Death in vitro and in vivo</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 5299-5315.	6.7	33
16	Geniposide against atherosclerosis by inhibiting the formation of foam cell and lowering reverse lipid transport via p38/MAPK signaling pathways. <i>European Journal of Pharmacology</i> , 2019, 864, 172728.	3.5	31
17	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.	4.2	31
18	Astragaloside IV attenuates the H2O2-induced apoptosis of neuronal cells by inhibiting Î±-synuclein expression via the p38 MAPK pathway. <i>International Journal of Molecular Medicine</i> , 2017, 40, 1772-1780.	4.0	30

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19	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.	10.0	25
20	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.	2.1	24
21	Lysophosphatidic acid directly induces macrophage-derived foam cell formation by blocking the expression of SRBI. <i>Biochemical and Biophysical Research Communications</i> , 2017, 491, 587-594.	2.1	23
22	Oligomerization of Baculovirus LEF-11 Is Involved in Viral DNA Replication. <i>PLoS ONE</i> , 2015, 10, e0144930.	2.5	22
23	Autophagy deficiency exacerbates acute lung injury induced by copper oxide nanoparticles. <i>Journal of Nanobiotechnology</i> , 2021, 19, 162.	9.1	21
24	Chitosan oligosaccharides enhance lipid droplets via down-regulation of PCSK9 gene expression in HepG2 cells. <i>Experimental Cell Research</i> , 2018, 366, 152-160.	2.6	20
25	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.	12.4	20
26	The α 1,3-fucosyltransferase FUT7 regulates IL-1 β -induced monocyte-endothelial adhesion via fucosylation of endomucin. <i>Life Sciences</i> , 2018, 192, 231-237.	4.3	19
27	Differential Susceptibilities to BmNPV Infection of Two Cell Lines Derived from the Same Silkworm Ovarian Tissues. <i>PLoS ONE</i> , 2014, 9, e105986.	2.5	17
28	ST6GAL1 negatively regulates monocyte transendothelial migration and atherosclerosis development. <i>Biochemical and Biophysical Research Communications</i> , 2018, 500, 249-255.	2.1	17
29	PINK1/TAX1BP1-directed mitophagy attenuates vascular endothelial injury induced by copper oxide nanoparticles. <i>Journal of Nanobiotechnology</i> , 2022, 20, 149.	9.1	17
30	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.	1.9	16
31	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.	3.0	16
32	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.	4.2	15
33	The role of UNC5b in ox-LDL inhibiting migration of RAW264.7 macrophages and the involvement of CCR7. <i>Biochemical and Biophysical Research Communications</i> , 2018, 505, 637-643.	2.1	13
34	Identification of a novel nuclear localization signal of baculovirus late expression factor 11. <i>Virus Research</i> , 2014, 184, 111-119.	2.2	12
35	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.	3.6	12
36	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.	4.3	11

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37	Stabilization of Nrf2 leading to HO-1 activation protects against zinc oxide nanoparticles-induced endothelial cell death. <i>Nanotoxicology</i> , 2021, 15, 779-797.	3.0	11
38	Screening and optimization of an efficient <i>Bombyx mori</i> nucleopolyhedrovirus inducible promoter. <i>Journal of Biotechnology</i> , 2016, 231, 72-80.	3.8	10
39	Lysophosphatidic acid decreased macrophage foam cell migration correlated with downregulation of fucosyltransferase 8 via HNF1 α . <i>Atherosclerosis</i> , 2019, 290, 19-30.	0.8	10
40	Pulmonary Exposure to Copper Oxide Nanoparticles Leads to Neurotoxicity via Oxidative Damage and Mitochondrial Dysfunction. <i>Neurotoxicity Research</i> , 2021, 39, 1160-1170.	2.7	8
41	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.	6.0	8
42	Recombinant ACE2 protein protects against acute lung injury induced by SARS-CoV-2 spike RBD protein. <i>Critical Care</i> , 2022, 26, .	5.8	8
43	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, .	9.1	8
44	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.	7.5	7
45	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.	6.7	7
46	The lysosomal membrane protein LAMP2 is dispensable for PINK1/Parkin-mediated mitophagy. <i>FEBS Letters</i> , 2020, 594, 823-840.	2.8	4
47	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.	2.9	4
48	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.	2.4	3
49	Maternal urban particulate matter exposure and signaling pathways in fetal brains and neurobehavioral development in offspring. <i>Toxicology</i> , 2022, 474, 153225.	4.2	2
50	iTRAQ-based quantitative proteomics analysis of the potential application of secretoneurin gene therapy for cardiac hypertrophy induced by DL-isoproterenol hydrochloride in mice. <i>International Journal of Molecular Medicine</i> , 2020, 45, 793-804.	4.0	1