

Chengzhi Chen

List of Publications by Year in descending order

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63
papers

1,581
citations

304743

22
h-index

345221

36
g-index

65
all docs

65
docs citations

65
times ranked

2044
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	5.0	105
2	ROS-mediated endoplasmic reticulum stress and mitochondrial dysfunction underlie apoptosis induced by resveratrol and arsenic trioxide in A549 cells. <i>Chemico-Biological Interactions</i> , 2016, 245, 100-109.	4.0	102
3	Early Postnatal Benzo(a)pyrene Exposure in Sprague-Dawley Rats Causes Persistent Neurobehavioral Impairments that Emerge Postnatally and Continue into Adolescence and Adulthood. <i>Toxicological Sciences</i> , 2012, 125, 248-261.	3.1	76
4	m6A Demethylase FTO Regulates Dopaminergic Neurotransmission Deficits Caused by Arsenite. <i>Toxicological Sciences</i> , 2018, 165, 431-446.	3.1	68
5	Ferroptosis is newly characterized form of neuronal cell death in response to arsenite exposure. <i>NeuroToxicology</i> , 2018, 67, 27-36.	3.0	65
6	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
7	Sodium arsenite and arsenic trioxide differently affect the oxidative stress, genotoxicity and apoptosis in A549 cells: An implication for the paradoxical mechanism. <i>Environmental Toxicology and Pharmacology</i> , 2013, 36, 891-902.	4.0	58
8	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
9	MicroRNA-155 regulates arsenite-induced malignant transformation by targeting Nrf2-mediated oxidative damage in human bronchial epithelial cells. <i>Toxicology Letters</i> , 2017, 278, 38-47.	0.8	50
10	<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
11	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
12	Arsenite induces ferroptosis in the neuronal cells via activation of ferritinophagy. <i>Food and Chemical Toxicology</i> , 2021, 151, 112114.	3.6	36
13	Dual role of resveratrol in modulation of genotoxicity induced by sodium arsenite via oxidative stress and apoptosis. <i>Food and Chemical Toxicology</i> , 2013, 59, 8-17.	3.6	35
14	Resveratrol Synergistically Triggers Apoptotic Cell Death with Arsenic Trioxide via Oxidative Stress in Human Lung Adenocarcinoma A549 Cells. <i>Biological Trace Element Research</i> , 2015, 163, 112-123.	3.5	35
15	Silicon dioxide nanoparticles induced neurobehavioral impairments by disrupting microbiota-gut-brain axis. <i>Journal of Nanobiotechnology</i> , 2021, 19, 174.	9.1	34
16	<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
17	The Protective Role of Resveratrol in the Sodium Arsenite-Induced Oxidative Damage via Modulation of Intracellular GSH Homeostasis. <i>Biological Trace Element Research</i> , 2013, 155, 119-131.	3.5	32
18	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

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19	Results of a 30-day safety assessment in young mice orally exposed to polystyrene nanoparticles. <i>Environmental Pollution</i> , 2022, 292, 118184.	7.5	31
20	Resveratrol protects against arsenic trioxide-induced oxidative damage through maintenance of glutathione homeostasis and inhibition of apoptotic progression. <i>Environmental and Molecular Mutagenesis</i> , 2015, 56, 333-346.	2.2	29
21	Crosstalk of gut microbiota and serum/hippocampus metabolites in neurobehavioral impairments induced by zinc oxide nanoparticles. <i>Nanoscale</i> , 2020, 12, 21429-21439.	5.6	29
22	Exposure to carbon black nanoparticles during pregnancy persistently damages the cerebrovascular function in female mice. <i>Toxicology</i> , 2019, 422, 44-52.	4.2	25
23	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
24	Effects of coke oven emissions and benzo[a]pyrene on blood pressure and electrocardiogram in coke oven workers. <i>Journal of Occupational Health</i> , 2017, 59, 1-7.	2.1	22
25	TMEM25 modulates neuronal excitability and NMDA receptor subunit NR2B degradation. <i>Journal of Clinical Investigation</i> , 2019, 129, 3864-3876.	8.2	22
26	Overexpression of miRNA-137 in the brain suppresses seizure activity and neuronal excitability: A new potential therapeutic strategy for epilepsy. <i>Neuropharmacology</i> , 2018, 138, 170-181.	4.1	21
27	Autophagy deficiency exacerbates acute lung injury induced by copper oxide nanoparticles. <i>Journal of Nanobiotechnology</i> , 2021, 19, 162.	9.1	21
28	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.	9.1	21
29	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
30	Critical role of cellular glutathione homeostasis for trivalent inorganic arsenite-induced oxidative damage in human bronchial epithelial cells. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2014, 770, 35-45.	1.7	19
31	Postnatal Subacute Benzo(a)Pyrene Exposure Caused Neurobehavioral Impairment and Metabolomic Changes of Cerebellum in the Early Adulthood Period of Sprague-Dawley Rats. <i>Neurotoxicity Research</i> , 2018, 33, 812-823.	2.7	18
32	PINK1/TAX1BP1-directed mitophagy attenuates vascular endothelial injury induced by copper oxide nanoparticles. <i>Journal of Nanobiotechnology</i> , 2022, 20, 149.	9.1	17
33	Arsenic Trioxide Co-exposure Potentiates Benzo(a)pyrene Genotoxicity by Enhancing the Oxidative Stress in Human Lung Adenocarcinoma Cell. <i>Biological Trace Element Research</i> , 2013, 156, 338-349.	3.5	16
34	Arsenite-induced endoplasmic reticulum-dependent apoptosis through disturbance of calcium homeostasis in H ₂ BE cell line. <i>Environmental Toxicology</i> , 2017, 32, 197-216.	4.0	16
35	Regulation of ABCG2 by nuclear factor kappa B affects the sensitivity of human lung adenocarcinoma A549 cells to arsenic trioxide. <i>Environmental Toxicology and Pharmacology</i> , 2018, 57, 141-150.	4.0	16
36	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

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37	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
38	Inhibition of α -Synuclein contributes to the ameliorative effects of dietary flavonoids luteolin on arsenite-induced apoptotic cell death in the dopaminergic PC12 cells. <i>Toxicology Mechanisms and Methods</i> , 2017, 27, 598-608.	2.7	15
39	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.	4.3	15
40	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
41	Protection of Nrf2 against arsenite-induced oxidative damage is regulated by the cyclic guanosine monophosphate-protein kinase G signaling pathway. <i>Environmental Toxicology</i> , 2017, 32, 2004-2020.	4.0	13
42	Distinct Metagenomic Signatures in the SARS-CoV-2 Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 706970.	3.9	13
43	Disruption of glutamate neurotransmitter transmission is modulated by SNAP-25 in benzo[a]pyrene-induced neurotoxic effects. <i>Toxicology</i> , 2017, 384, 11-22.	4.2	12
44	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
45	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
46	Nuclear translocation of nuclear factor kappa B is regulated by G protein signaling pathway in arsenite-induced apoptosis in HBE cell line. <i>Environmental Toxicology</i> , 2016, 31, 1819-1833.	4.0	10
47	Synaptic dopamine release is positively regulated by SNAP-25 that involves in benzo[a]pyrene-induced neurotoxicity. <i>Chemosphere</i> , 2019, 237, 124378.	8.2	9
48	Endothelial Regulation by Exogenous Annexin A1 in Inflammatory Response and BBB Integrity Following Traumatic Brain Injury. <i>Frontiers in Neuroscience</i> , 2021, 15, 627110.	2.8	8
49	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
50	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
51	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
52	Polystyrene nanoparticles aggravate the adverse effects of di-(2-ethylhexyl) phthalate on different segments of intestine in mice. <i>Chemosphere</i> , 2022, 305, 135324.	8.2	8
53	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
54	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

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55	Exposure to carbon black nanoparticles increases seizure susceptibility in male mice. <i>Nanotoxicology</i> , 2020, 14, 595-611.	3.0	7
56	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.	4.0	6
57	Effects of benzo(a)pyrene exposure on the atpase activity and calcium concentration in the hippocampus of neonatal rats. <i>International Journal of Occupational Medicine and Environmental Health</i> , 2017, 30, 203-211.	1.3	5
58	The lysosomal membrane protein LAMP2 is dispensable for PINK1/Parkin-mediated mitophagy. <i>FEBS Letters</i> , 2020, 594, 823-840.	2.8	4
59	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
60	Preventive effects of traditional Chinese medicine formula Huoxiangzhengqi against lipopolysaccharide-induced inflammatory response. <i>Phytomedicine</i> , 2022, 99, 153968.	5.3	4
61	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.	3.5	3
62	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.	2.7	1
63	Knock-down of transcription factor skinhead-1 exacerbates arsenite-induced oxidative damage in <i>Caenorhabditis elegans</i> . <i>BioMetals</i> , 2021, 34, 675-686.	4.1	0