Chengzhi Chen

List of Publications by Year
in descending order

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	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.	2.7	1
2	Results of a 30-day safety assessment in young mice orally exposed to polystyrene nanoparticles. Environmental Pollution, 2022, 292, 118184.	7.5	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.	6.0	8
4	Preventive effects of traditional Chinese medicine formula Huoxiangzhengqi against lipopolysaccharide-induced inflammatory response. Phytomedicine, 2022, 99, 153968.	5.3	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.	3.5	3
6	PINK1/TAX1BP1-directed mitophagy attenuates vascular endothelial injury induced by copper oxide nanoparticles. Journal of Nanobiotechnology, 2022, 20, 149.	9.1	17
7	Repression of autophagy leads to acrosome biogenesis disruption caused by a sub-chronic oral administration of polystyrene nanoparticles. Environment International, 2022, 163, 107220.	10.0	25
8	Recombinant ACE2 protein protects against acute lung injury induced by SARS-CoV-2 spike RBD protein. Critical Care, 2022, 26, .	5.8	8
9	Polystyrene nanoparticles aggravate the adverse effects of di-(2-ethylhexyl) phthalate on different segments of intestine in mice. Chemosphere, 2022, 305, 135324.	8.2	8
10	Reciprocal regulation of NRF2 by autophagy and ubiquitinâ€“proteasome modulates vascular endothelial injury induced by copper oxide nanoparticles. Journal of Nanobiotechnology, 2022, 20, .	9.1	8
11	Endothelial Regulation by Exogenous Annexin A1 in Inflammatory Response and BBB Integrity Following Traumatic Brain Injury. Frontiers in Neuroscience, 2021, 15, 627110.	2.8	8
12	Knock-down of transcription factor skinhead-1 exacerbates arsenite-induced oxidative damage in Caenorhabditis elegans. BioMetals, 2021, 34, 675-686.	4.1	0
13	Pulmonary Exposure to Copper Oxide Nanoparticles Leads to Neurotoxicity via Oxidative Damage and Mitochondrial Dysfunction. Neurotoxicity Research, 2021, 39, 1160-1170.	2.7	8
14	Arsenite induces ferroptosis in the neuronal cells via activation of ferritinophagy. Food and Chemical Toxicology, 2021, 151, 112114.	3.6	36
15	Stabilization of Nrf2 leading to HO-1 activation protects against zinc oxide nanoparticles-induced endothelial cell death. Nanotoxicology, 2021, 15, 779-797.	3.0	11
16	Autophagy deficiency exacerbates acute lung injury induced by copper oxide nanoparticles. Journal of Nanobiotechnology, 2021, 19, 162.	9.1	21
17	Silicon dioxide nanoparticles induced neurobehavioral impairments by disrupting microbiotaâ€“gutâ€“brain axis. Journal of Nanobiotechnology, 2021, 19, 174.	9.1	34
18	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.	9.1	21

#	ARTICLE	IF	CITATIONS
19	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.	2.9	4
20	Distinct Metagenomic Signatures in the SARS-CoV-2 Infection. Frontiers in Cellular and Infection Microbiology, 2021, 11, 706970.	3.9	13
21	The lysosomal membrane protein LAMPâ€2 is dispensable for PINK1/Parkinâ€mediated mitophagy. FEBS Letters, 2020, 594, 823-840.	2.8	4
22	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.	3.6	12
23	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.	1.9	16
24	Zinc Oxide Nanoparticles Induce Ferroptotic Neuronal Cell Death in vitro and in vivo . International Journal of Nanomedicine, 2020, Volume 15, 5299-5315.	6.7	33
25	Pregnancy exposure to carbon black nanoparticles induced neurobehavioral deficits that are associated with altered m6A modification in offspring. NeuroToxicology, 2020, 81, 40-50.	3.0	16
26	Crosstalk of gut microbiota and serum/hippocampus metabolites in neurobehavioral impairments induced by zinc oxide nanoparticles. Nanoscale, 2020, 12, 21429-21439.	5.6	29
27	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.	6.7	47
28	Arsenite induces testicular oxidative stress in vivo and in vitro leading to ferroptosis. Ecotoxicology and Environmental Safety, 2020, 194, 110360.	6.0	64
29	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.	4.2	31
30	Exposure to carbon black nanoparticles increases seizure susceptibility in male mice. Nanotoxicology, 2020, 14, 595-611.	3.0	7
31	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.	5.0	105
32	Heterozygous disruption of beclin 1 mitigates arsenite-induced neurobehavioral deficits via reshaping gut microbiota-brain axis. Journal of Hazardous Materials, 2020, 398, 122748.	12.4	20
33	Lysosomal dysfunction is associated with persistent lung injury in dams caused by pregnancy exposure to carbon black nanoparticles. Life Sciences, 2019, 233, 116741.	4.3	15
34	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.	4.2	15
35	Synaptic dopamine release is positively regulated by SNAP-25 that involves in benzo[a]pyrene-induced neurotoxicity. Chemosphere, 2019, 237, 124378.	8.2	9
36	Exposure to carbon black nanoparticles during pregnancy persistently damages the cerebrovascular function in female mice. Toxicology, 2019, 422, 44-52.	4.2	25

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37	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.	6.7	7
38	TMEM25 modulates neuronal excitability and NMDA receptor subunit NR2B degradation. Journal of Clinical Investigation, 2019, 129, 3864-3876.	8.2	22
39	Ferroptosis is newly characterized form of neuronal cell death in response to arsenite exposure. NeuroToxicology, 2018, 67, 27-36.	3.0	65
40	The size of zinc oxide nanoparticles controls its toxicity through impairing autophagic flux in A549 lung epithelial cells. Toxicology Letters, 2018, 285, 51-59.	0.8	52
41	Regulation of ABCG2 by nuclear factor kappa B affects the sensitivity of human lung adenocarcinoma A549 cells to arsenic trioxide. Environmental Toxicology and Pharmacology, 2018, 57, 141-150.	4.0	16
42	Postnatal Subacute Benzo(a)Pyrene Exposure Caused Neurobehavioral Impairment and Metabolomic Changes of Cerebellum in the Early Adulthood Period of Sprague-Dawley Rats. Neurotoxicity Research, 2018, 33, 812-823.	2.7	18
43	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.	4.0	6
44	Autophagy-dependent release of zinc ions is critical for acute lung injury triggered by zinc oxide nanoparticles. Nanotoxicology, 2018, 12, 1068-1091.	3.0	44
45	m6A Demethylase FTO Regulates Dopaminergic Neurotransmission Deficits Caused by Arsenite. Toxicological Sciences, 2018, 165, 431-446.	3.1	68
46	Overexpression of miRNA-137 in the brain suppresses seizure activity and neuronal excitability: A new potential therapeutic strategy for epilepsy. Neuropharmacology, 2018, 138, 170-181.	4.1	21
47	Arseniteâ€induced endoplasmic reticulumâ€dependent apoptosis through disturbance of calcium homeostasis in H<scp>BE</scp> cell line. Environmental Toxicology, 2017, 32, 197-216.	4.0	16
48	Disruption of glutamate neurotransmitter transmission is modulated by SNAP-25 in benzo[a]pyrene-induced neurotoxic effects. Toxicology, 2017, 384, 11-22.	4.2	12
49	MicroRNA-155 regulates arsenite-induced malignant transformation by targeting Nrf2-mediated oxidative damage in human bronchial epithelial cells. Toxicology Letters, 2017, 278, 38-47.	0.8	50
50	Protection of Nrf2 against arsenite-induced oxidative damage is regulated by the cyclic guanosine monophosphate-protein kinase G signaling pathway. Environmental Toxicology, 2017, 32, 2004-2020.	4.0	13
51	Effects of coke oven emissions and benzo[a]pyrene on blood pressure and electrocardiogram in coke oven workers. Journal of Occupational Health, 2017, 59, 1-7.	2.1	22
52	Inhibition of Î±-Synuclein contributes to the ameliorative effects of dietary flavonoids luteolin on arsenite-induced apoptotic cell death in the dopaminergic PC12 cells. Toxicology Mechanisms and Methods, 2017, 27, 598-608.	2.7	15
53	Effects of benzo(a)pyrene exposure on the atpase activity and calcium concentration in the hippocampus of neonatal rats. International Journal of Occupational Medicine and Environmental Health, 2017, 30, 203-211.	1.3	5
54	Nuclear translocation of nuclear factor kappa B is regulated by G protein signaling pathway in arsenite-induced apoptosis in HBE cell line. Environmental Toxicology, 2016, 31, 1819-1833.	4.0	10

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55	ROS-mediated endoplasmic reticulum stress and mitochondrial dysfunction underlie apoptosis induced by resveratrol and arsenic trioxide in A549 cells. Chemico-Biological Interactions, 2016, 245, 100-109.	4.0	102
56	Resveratrol Synergistically Triggers Apoptotic Cell Death with Arsenic Trioxide via Oxidative Stress in Human Lung Adenocarcinoma A549 Cells. Biological Trace Element Research, 2015, 163, 112-123.	3.5	35
57	Resveratrol protects against arsenic trioxideâ€induced oxidative damage through maintenance of glutathione homeostasis and inhibition of apoptotic progression. Environmental and Molecular Mutagenesis, 2015, 56, 333-346.	2.2	29
58	Critical role of cellular glutathione homeostasis for trivalent inorganic arsenite-induced oxidative damage in human bronchial epithelial cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2014, 770, 35-45.	1.7	19
59	The Protective Role of Resveratrol in the Sodium Arsenite-Induced Oxidative Damage via Modulation of Intracellular GSH Homeostasis. Biological Trace Element Research, 2013, 155, 119-131.	3.5	32
60	Dual role of resveratrol in modulation of genotoxicity induced by sodium arsenite via oxidative stress and apoptosis. Food and Chemical Toxicology, 2013, 59, 8-17.	3.6	35
61	Arsenic Trioxide Co-exposure Potentiates Benzo(a)pyrene Genotoxicity by Enhancing the Oxidative Stress in Human Lung Adenocarcinoma Cell. Biological Trace Element Research, 2013, 156, 338-349.	3.5	16
62	Sodium arsenite and arsenic trioxide differently affect the oxidative stress, genotoxicity and apoptosis in A549 cells: An implication for the paradoxical mechanism. Environmental Toxicology and Pharmacology, 2013, 36, 891-902.	4.0	58
63	Early Postnatal Benzo(a)pyrene Exposure in Sprague-Dawley Rats Causes Persistent Neurobehavioral Impairments that Emerge Postnatally and Continue into Adolescence and Adulthood. Toxicological Sciences, 2012, 125, 248-261.	3.1	76