Huizhen Zhang

List of Publications by Year
in descending order

35 papers	1,255 citations	471509 17 h-index	361022 35 g-index
35 all docs	35 docs citations	35 times ranked	1197 citing authors

#	Article	IF	Citations
1	The adverse health effects of bisphenol A and related toxicity mechanisms. Environmental Research, 2019, 176, 108575.	7.5	408
2	The Diversity of Cyanobacterial Toxins on Structural Characterization, Distribution and Identification: A Systematic Review. Toxins, 2019, 11, 530.	3.4	105
3	Manganese transporter Slc39a14 deficiency revealed its key role in maintaining manganese homeostasis in mice. Cell Discovery, 2017, 3, 17025.	6.7	87
4	The latest advances in the reproductive toxicity of microcystin-LR. Environmental Research, 2021, 192, 110254.	7.5	80
5	Update on the adverse effects of microcystins on the liver. Environmental Research, 2021, 195, 110890.	7.5	52
6	Oxidative Stress Mediates Microcystin-LR-Induced Endoplasmic Reticulum Stress and Autophagy in KK-1 Cells and C57BL/6 Mice Ovaries. Frontiers in Physiology, 2018, 9, 1058.	2.8	40
7	Microcystin-LR Induced Apoptosis in Rat Sertoli Cells via the Mitochondrial Caspase-Dependent Pathway: Role of Reactive Oxygen Species. Frontiers in Physiology, 2016, 7, 397.	2.8	35
8	Resveratrol Ameliorates Microcystin-LR-Induced Testis Germ Cell Apoptosis in Rats via SIRT1 Signaling Pathway Activation. Toxins, 2018, 10, 235.	3.4	30
9	Microcystin-LR induces mitochondria-mediated apoptosis in human bronchial epithelial cells. Experimental and Therapeutic Medicine, 2016, 12, 633-640.	1.8	28
10	Advances in the toxicology research of microcystins based on Omics approaches. Environment International, 2021, 154, 106661.	10.0	25
11	Novel Role of ER Stress and Autophagy in Microcystin-LR Induced Apoptosis in Chinese Hamster Ovary Cells. Frontiers in Physiology, 2016, 7, 527.	2.8	24
12	Microcystin-leucine arginine exposure contributes to apoptosis and follicular atresia in mice ovaries by endoplasmic reticulum stress-upregulated Ddit3. Science of the Total Environment, 2021, 756, 144070.	8.0	24
13	Resveratrol improved hippocampal neurogenesis following lead exposure in rats through activation of SIRT1 signaling. Environmental Toxicology, 2021, 36, 1664-1673.	4.0	24
14	Histone acetylation plays an important role in MC-LR-induced apoptosis and cycle disorder in SD rat testicular cells. Chemosphere, 2020, 241, 125073.	8.2	23
15	IRE1 and CaMKKÎ² pathways to reveal the mechanism involved in microcystin-LR-induced autophagy in mouse ovarian cells. Food and Chemical Toxicology, 2021, 147, 111911.	3.6	21
16	The activated ATM/p53 pathway promotes autophagy in response to oxidative stress-mediated DNA damage induced by Microcystin-LR in male germ cells. Ecotoxicology and Environmental Safety, 2021, 227, 112919.	6.0	21
17	Attenuation of Pb-induced AÎ² generation and autophagic dysfunction via activation of SIRT1: Neuroprotective properties of resveratrol. Ecotoxicology and Environmental Safety, 2021, 222, 112511.	6.0	19
18	Microcystin-LR induces ovarian injury and apoptosis in mice via activating apoptosis signal-regulating kinase 1-mediated P38/JNK pathway. Ecotoxicology and Environmental Safety, 2021, 213, 112066.	6.0	18

#	Article	IF	Citations
19	Identification of Topping Responsive Proteins in Tobacco Roots. Frontiers in Plant Science, 2016, 7, 582.	3.6	17
20	HDAC1 Governs Iron Homeostasis Independent of Histone Deacetylation in Iron-Overload Murine Models. Antioxidants and Redox Signaling, 2018, 28, 1224-1237.	5.4	17
21	N-acetylcysteine alleviates fluoride-induced testicular apoptosis by modulating IRE1Î±/JNK signaling and nuclear Nrf2 activation. Reproductive Toxicology, 2019, 84, 98-107.	2.9	17
22	Epigenetic modification of H3K4 and oxidative stress are involved in MCâ€LRâ€induced apoptosis in testicular cells of SD rats. Environmental Toxicology, 2020, 35, 277-291.	4.0	17
23	Long-term exposure to low concentrations of MC-LR induces blood-testis barrier damage through the RhoA/ROCK pathway. Ecotoxicology and Environmental Safety, 2022, 236, 113454.	6.0	14
24	MC-LR induces dysregulation of iron homeostasis by inhibiting hepcidin expression: A preliminary study. Chemosphere, 2018, 212, 572-584.	8.2	13
25	<i>p53</i>â€Dependent pathway and the opening of mPTP mediate the apoptosis of coâ€cultured Sertoliâ€germ cells induced by microcystinâ€LR. Environmental Toxicology, 2019, 34, 1074-1084.	4.0	12
26	Latent role of in vitro Pb exposure in blocking AÎ² clearance and triggering epigenetic modifications. Environmental Toxicology and Pharmacology, 2019, 66, 14-23.	4.0	12
27	Resveratrol reverses hippocampal synaptic markers injury and SIRT1 inhibition against developmental Pb exposure. Brain Research, 2021, 1767, 147567.	2.2	12
28	Disruption of synaptic expression pattern and age-related DNA oxidation in a neuronal model of lead-induced toxicity. Environmental Toxicology and Pharmacology, 2020, 76, 103350.	4.0	10
29	Effects of vitamin E supplementation on the risk and progression of AD: a systematic review and meta-analysis. Nutritional Neuroscience, 2021, 24, 13-22.	3.1	10
30	N-acetylcysteine protects Chinese Hamster ovary cells from oxidative injury and apoptosis induced by microcystin-LR. International Journal of Clinical and Experimental Medicine, 2015, 8, 4911-21.	1.3	10
31	Combined exposure of lead and high-fat diet enhanced cognitive decline via interacting with CREB-BDNF signaling in male rats. Environmental Pollution, 2022, 304, 119200.	7.5	9
32	Time-course miRNA alterations and SIRT1 inhibition triggered by adolescent lead exposure in mice. Toxicology Research, 2021, 10, 667-676.	2.1	8
33	Protein 4.1N is required for the formation of the lateral membrane domain in human bronchial epithelial cells. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 1143-1151.	2.6	6
34	Role of microRNAâ€122 in microcystinâ€leucine arginineâ€induced dysregulation of hepatic iron homeostasis in mice. Environmental Toxicology, 2020, 35, 822-830.	4.0	5
35	MicroRNA-122 overexpression promotes apoptosis and tumor suppressor gene expression induced by microcystin-leucine arginine in mouse liver. International Journal of Environmental Health Research, 2022, 32, 2123-2134.	2.7	2