

Yingmei Zhang

List of Publications by Year in descending order

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68
papers

1,897
citations

304368

22
h-index

288905

40
g-index

68
all docs

68
docs citations

68
times ranked

2647
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of the bioavailability, bioaccessibility and transfer of heavy metals in the soil-grain-human systems near a mining and smelting area in NW China. <i>Science of the Total Environment</i> , 2017, 609, 822-829.	3.9	175
2	Global DNA hypomethylation, rather than reactive oxygen species (ROS), a potential facilitator of cadmium-stimulated K562 cell proliferation. <i>Toxicology Letters</i> , 2008, 179, 43-47.	0.4	134
3	ATM mediates spermidine-induced mitophagy via PINK1 and Parkin regulation in human fibroblasts. <i>Scientific Reports</i> , 2016, 6, 24700.	1.6	107
4	Long-term effect of heavy-metal pollution on diversity of gastrointestinal microbial community of <i>Bufo raddei</i> . <i>Toxicology Letters</i> , 2016, 258, 192-197.	0.4	80
5	Cadmium induces mitophagy through ROS-mediated PINK1/Parkin pathway. <i>Toxicology Mechanisms and Methods</i> , 2014, 24, 504-511.	1.3	71
6	Spatial distribution and source identification of heavy metals in soils under different land uses in a sewage irrigation region, northwest China. <i>Journal of Soils and Sediments</i> , 2016, 16, 1547-1556.	1.5	70
7	ROS act as an upstream signal to mediate cadmium-induced mitophagy in mouse brain. <i>NeuroToxicology</i> , 2015, 46, 19-24.	1.4	68
8	Heavy metal concentrations in water, sediment, and tissues of two fish species (<i>Triplophysa</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 To Monitoring and Assessment, 2010, 165, 97-102.	1.3	55
9	The role of reactive oxygen species in the herbicide acetochlor-induced DNA damage on <i>Bufo raddei</i> tadpole liver. <i>Aquatic Toxicology</i> , 2006, 78, 21-26.	1.9	53
10	Contaminants-Induced Oxidative Damage on the Carp <i>Cyprinus carpio</i> Collected from the Upper Yellow River, China. <i>Environmental Monitoring and Assessment</i> , 2007, 128, 483-488.	1.3	51
11	Assessment of the genotoxicity in toad <i>Bufo raddei</i> exposed to petrochemical contaminants in Lanzhou Region, China. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2007, 629, 81-88.	0.9	47
12	Mediating effect of ROS on mtDNA damage and low ATP content induced by arsenic trioxide in mouse oocytes. <i>Toxicology in Vitro</i> , 2011, 25, 979-984.	1.1	47
13	Temporal variations and spatial distributions of heavy metals in a wastewater-irrigated soil-eggplant system and associated influencing factors. <i>Ecotoxicology and Environmental Safety</i> , 2018, 153, 204-214.	2.9	44
14	EGCG inhibits Cd ²⁺ -induced apoptosis through scavenging ROS rather than chelating Cd ²⁺ in HL-7702 cells. <i>Toxicology Mechanisms and Methods</i> , 2014, 24, 259-267.	1.3	43
15	Protective effects of grape seed procyanidin extract against nickel sulfate-induced apoptosis and oxidative stress in rat testes. <i>Toxicology Mechanisms and Methods</i> , 2011, 21, 487-494.	1.3	41
16	Diversity of Soil Nematodes in Areas Polluted with Heavy Metals and Polycyclic Aromatic Hydrocarbons (PAHs) in Lanzhou, China. <i>Environmental Management</i> , 2009, 44, 163-172.	1.2	40
17	Cd-induced apoptosis was mediated by the release of Ca ²⁺ from intracellular Ca storage. <i>Toxicology Letters</i> , 2010, 192, 115-118.	0.4	37
18	Roles of reactive oxygen species and mitochondria in cadmium-induced injury of liver cells. <i>Toxicology and Industrial Health</i> , 2011, 27, 249-256.	0.6	36

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19	2,4-Dichlorophenol induces global DNA hypermethylation through the increase of S-adenosylmethionine and the upregulation of DNMTs mRNA in the liver of goldfish <i>Carassius auratus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2014, 160, 54-59.	1.3	34
20	Lead (Pb) induced ATM-dependent mitophagy via PINK1/Parkin pathway. <i>Toxicology Letters</i> , 2018, 291, 92-100.	0.4	31
21	Long-term heavy metal pollution varied female reproduction investment in free-living anura, <i>Bufo raddei</i> . <i>Ecotoxicology and Environmental Safety</i> , 2018, 159, 136-142.	2.9	28
22	Long-Term Toxicity Effects of Cadmium and Lead on <i>Bufo raddei</i> Tadpoles. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2007, 79, 178-183.	1.3	26
23	A field study on the dynamic uptake and transfer of heavy metals in Chinese cabbage and radish in weak alkaline soils. <i>Environmental Science and Pollution Research</i> , 2016, 23, 20719-20727.	2.7	23
24	Effects of heavy metals Cd ²⁺ , Pb ²⁺ and Zn ²⁺ on DNA damage of loach <i>Misgurnus anguillicaudatus</i> . <i>Frontiers of Biology in China: Selected Publications From Chinese Universities</i> , 2008, 3, 50-54.	0.2	22
25	2,4-Dichlorophenol induces apoptosis in primary hepatocytes of grass carp (<i>Ctenopharyngodon idella</i>) through mitochondrial pathway. <i>Aquatic Toxicology</i> , 2013, 140-141, 117-122.	1.9	22
26	Highly Photostable Fluorescent Tracker with pH-Insensitivity for Long-Term Imaging of Lysosomal Dynamics in Live Cells. <i>ACS Sensors</i> , 2021, 6, 786-796.	4.0	22
27	Cadmium induced MTs synthesis via oxidative stress in yeast <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biochemistry</i> , 2005, 280, 139-145.	1.4	21
28	Mitophagy inhibits proliferation by decreasing cyclooxygenase-2 (COX-2) in arsenic trioxide-treated HepG2 cells. <i>Environmental Toxicology and Pharmacology</i> , 2016, 45, 212-221.	2.0	21
29	Metal Exposure Risk Assessment for Tree Sparrows at Different Life Stages via Diet from a Polluted Area in Northwestern China. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 2785-2796.	2.2	21
30	NIX compensates lost role of parkin in cd-induced mitophagy in HeLa cells through phosphorylation. <i>Toxicology Letters</i> , 2020, 326, 1-10.	0.4	21
31	Effects of environmental metal pollution on reproduction of a free-living resident songbird, the tree sparrow (<i>Passer montanus</i>). <i>Science of the Total Environment</i> , 2020, 721, 137674.	3.9	21
32	Alpha-lipoic acid attenuates cardiac hypertrophy via downregulation of PARP-2 and subsequent activation of SIRT-1. <i>European Journal of Pharmacology</i> , 2014, 744, 203-210.	1.7	20
33	Endoplasmic reticulum stress is involved in 2,4-dichlorophenol-induced hepatotoxicity. <i>Journal of Toxicological Sciences</i> , 2016, 41, 745-756.	0.7	19
34	Fluctuating asymmetry rather than oxidative stress in <i>Bufo raddei</i> can be an accurate indicator of environmental pollution induced by heavy metals. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 293.	1.3	19
35	Metal bioaccessibility in a wastewater irrigated soil-wheat system and associated human health risks: Implications for regional thresholds. <i>Ecological Indicators</i> , 2018, 94, 305-311.	2.6	19
36	A field study on heavy metals phytoattenuation potential of monocropping and intercropping of maize and/or legumes in weakly alkaline soils. <i>International Journal of Phytoremediation</i> , 2016, 18, 1014-1021.	1.7	18

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37	Protective Effect of Apigenin on Acrylonitrile-Induced Inflammation and Apoptosis in Testicular Cells via the NF- κ B Pathway in Rats. <i>Inflammation</i> , 2018, 41, 1448-1459.	1.7	18
38	The function of constructed wetland in reducing the risk of heavy metals on human health. <i>Environmental Monitoring and Assessment</i> , 2011, 181, 531-537.	1.3	16
39	Using cadmium bioavailability to simultaneously predict its accumulation in crop grains and the bioaccessibility in soils. <i>Science of the Total Environment</i> , 2019, 665, 246-252.	3.9	16
40	AZT and emodin exhibit synergistic growth-inhibitory effects on K562/ADM cells by inducing S phase cell cycle arrest and suppressing MDR1 mRNA/p-gp protein expression. <i>Pharmaceutical Biology</i> , 2013, 51, 1586-1591.	1.3	15
41	2,4,6-Trichlorophenol Cytotoxicity Involves Oxidative Stress, Endoplasmic Reticulum Stress, and Apoptosis. <i>International Journal of Toxicology</i> , 2014, 33, 532-541.	0.6	15
42	Variations in tree sparrow (<i>Passer montanus</i>) egg characteristics under environmental metal pollution. <i>Science of the Total Environment</i> , 2019, 687, 946-955.	3.9	15
43	The role of endoplasmic reticulum stress in lead (Pb)-induced mitophagy of HEK293 cells. <i>Toxicology and Industrial Health</i> , 2020, 36, 1002-1009.	0.6	15
44	Cadmium delays non-homologous end joining (NHEJ) repair via inhibition of DNA-PKcs phosphorylation and downregulation of XRCC4 and Ligase IV. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2015, 779, 112-123.	0.4	14
45	Response of male reproductive function to environmental heavy metal pollution in a free-living passerine bird, <i>Passer montanus</i> . <i>Science of the Total Environment</i> , 2020, 747, 141402.	3.9	13
46	The antagonism of aluminum against fluoride-induced oxidative stress and c-Fos overexpression in rat testes. <i>Toxicology Mechanisms and Methods</i> , 2014, 24, 136-141.	1.3	12
47	Variation in sperm morphology and performance in tree sparrow (<i>Passer montanus</i>) under long-term environmental heavy metal pollution. <i>Ecotoxicology and Environmental Safety</i> , 2020, 197, 110622.	2.9	12
48	Atomization method for verifying size effects of inhalable particles on lung damage of mice. <i>Science of the Total Environment</i> , 2017, 579, 1476-1484.	3.9	11
49	Variation of fitness and reproductive strategy in male <i>Bufo raddei</i> under environmental heavy metal pollution. <i>Ecotoxicology and Environmental Safety</i> , 2018, 164, 253-260.	2.9	11
50	Senegenin alleviates H_2O_2 induced cell damage through triggering mitophagy. <i>Journal of Ethnopharmacology</i> , 2022, 295, 115409.	2.0	11
51	Sperm Morphology and Motility of <i>Bufo raddei</i> Under Long-Term Environmental Heavy Metal Stress. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2018, 101, 305-313.	1.3	10
52	Variation in genetic diversity of tree sparrow (<i>Passer montanus</i>) population in long-term environmental heavy metal polluted areas. <i>Environmental Pollution</i> , 2020, 263, 114396.	3.7	10
53	2,4-dichlorophenol induces ER stress-mediated apoptosis via Ca^{2+} dephosphorylation <i>in vitro</i> . <i>Environmental Toxicology</i> , 2016, 31, 245-255.	2.1	9
54	Optimal analysis conditions for sperm motility parameters with a CASA system in a passerine bird, <i>Passer montanus</i> . <i>Avian Research</i> , 2019, 10, .	0.5	9

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55	Expression, purification and characterization of recombinant protein tyrosine phosphatase from <i>Thermus thermophilus</i> HB27. <i>Acta Biochimica Et Biophysica Sinica</i> , 2009, 41, 689-698.	0.9	8
56	Near-infrared ratiometric fluorescence imaging of lysosomal polarity in live cells and in vivo. <i>Sensors and Actuators B: Chemical</i> , 2021, 345, 130397.	4.0	8
57	Microbial communities respond to microenvironments in lungs of mice under simulated exposure to cadmium aerosols. <i>Science of the Total Environment</i> , 2020, 710, 136300.	3.9	7
58	Does environmental metal pollution affect bird morphometry? A case study on the tree sparrow <i>Passer montanus</i> . <i>Chemosphere</i> , 2022, 295, 133947.	4.2	6
59	<i>In vivo</i> and <i>in vitro</i> anti-tumour response of selenium-protein polysaccharide extracted from rich selenium <i>Agaricus blazei</i> . <i>Food and Agricultural Immunology</i> , 2007, 18, 139-149.	0.7	5
60	The guanidine thiocyanate-high EDTA method for total microbial RNA extraction from severely heavy metal-contaminated soils. <i>Microbial Biotechnology</i> , 2021, 14, 465-478.	2.0	5
61	Lung damage analyzed by machine vision on tissue sections of mice. <i>Archives of Toxicology</i> , 2018, 92, 425-439.	1.9	4
62	Thoracoabdominal respiratory disorder induced by cadmium aerosol and analyzed with a new machine vision model in vivo. <i>Science of the Total Environment</i> , 2019, 683, 668-680.	3.9	4
63	Machine vision analysis on abnormal respiratory conditions of mice inhaling particles containing cadmium. <i>Ecotoxicology and Environmental Safety</i> , 2019, 170, 600-610.	2.9	4
64	Respiratory exposure to carbon black nanoparticles may induce testicular structure damage and lead to decreased sperm quality in mice. <i>Reproductive Toxicology</i> , 2021, 106, 32-41.	1.3	4
65	Differential retention of PCB congeners in cockroaches <i>Blattella germanica</i> . <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2007, 42, 721-727.	0.9	1
66	The complete mitochondrial genome of <i>Bufo raddei</i> . <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2016, 27, 3659-3660.	0.7	1
67	Improvement of sperm traits related to the high level of extra-pair fertilization in tree sparrow population under long-term environmental heavy metal pollution. <i>Science of the Total Environment</i> , 2021, 790, 148109.	3.9	1
68	Exogenous S-adenosyl-L-methionine Could Inhibit c-myc Overexpression Induced by As ₂ O ₃ in Normal Human Liver HL-7702 Cells. <i>Journal of Health Science</i> , 2011, 57, 188-191.	0.9	0