

# Caiying Zhang

## List of Publications by Year in descending order

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42  
papers

1,076  
citations

361413

20  
h-index

434195

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g-index

42  
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42  
docs citations

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times ranked

630  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molybdenum and cadmium co-induce oxidative stress and apoptosis through mitochondria-mediated pathway in duck renal tubular epithelial cells. <i>Journal of Hazardous Materials</i> , 2020, 383, 121157.	12.4	100
2	Cadmium and molybdenum co-induce pyroptosis via ROS/PTEN/PI3K/AKT axis in duck renal tubular epithelial cells. <i>Environmental Pollution</i> , 2021, 272, 116403.	7.5	74
3	Activation of the ROS/HO-1/NQO1 signaling pathway contributes to the copper-induced oxidative stress and autophagy in duck renal tubular epithelial cells. <i>Science of the Total Environment</i> , 2021, 757, 143753.	8.0	60
4	New insights into crosstalk between pyroptosis and autophagy co-induced by molybdenum and cadmium in duck renal tubular epithelial cells. <i>Journal of Hazardous Materials</i> , 2021, 416, 126138.	12.4	58
5	Effects of molybdenum and cadmium on the oxidative damage and kidney apoptosis in Duck. <i>Ecotoxicology and Environmental Safety</i> , 2017, 145, 24-31.	6.0	44
6	The protection of selenium against cadmium-induced mitophagy via modulating nuclear xenobiotic receptors response and oxidative stress in the liver of rabbits. <i>Environmental Pollution</i> , 2021, 285, 117301.	7.5	40
7	Alterations in trace element levels and mRNA expression of Hsps and inflammatory cytokines in livers of duck exposed to molybdenum or/and cadmium. <i>Ecotoxicology and Environmental Safety</i> , 2016, 125, 93-101.	6.0	37
8	Alterations of mitochondrial antioxidant indexes and apoptosis in duck livers caused by Molybdenum or/and cadmium. <i>Chemosphere</i> , 2018, 193, 574-580.	8.2	37
9	Endoplasmic reticulum stress aggravates copper-induced apoptosis via the PERK/ATF4/CHOP signaling pathway in duck renal tubular epithelial cells. <i>Environmental Pollution</i> , 2021, 272, 115981.	7.5	36
10	Mitochondrial oxidative stress-induced hepatocyte apoptosis reflects increased molybdenum intake in caprine. <i>Biological Trace Element Research</i> , 2016, 170, 106-114.	3.5	33
11	The Co-induced Effects of Molybdenum and Cadmium on Antioxidants and Heat Shock Proteins in Duck Kidneys. <i>Biological Trace Element Research</i> , 2015, 168, 261-268.	3.5	31
12	Inhibition of autophagy enhances cadmium-induced apoptosis in duck renal tubular epithelial cells. <i>Ecotoxicology and Environmental Safety</i> , 2020, 205, 111188.	6.0	30
13	Cadmium induces cytotoxicity through oxidative stress-mediated apoptosis pathway in duck renal tubular epithelial cells. <i>Toxicology in Vitro</i> , 2019, 61, 104625.	2.4	29
14	Inhibition of ROS/NLRP3/Caspase-1 mediated pyroptosis alleviates excess molybdenum-induced apoptosis in duck renal tubular epithelial cells. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111528.	6.0	29
15	Molybdenum and cadmium co-induce hypothalamus toxicity in ducks via disturbing Nrf2-mediated defense response and triggering mitophagy. <i>Ecotoxicology and Environmental Safety</i> , 2021, 228, 113022.	6.0	27
16	Inhibition of ROS/NLRP3/Caspase-1 mediated pyroptosis attenuates cadmium-induced apoptosis in duck renal tubular epithelial cells. <i>Environmental Pollution</i> , 2021, 273, 115919.	7.5	26
17	Cadmium and molybdenum co-induce pyroptosis and apoptosis via the PTEN/PI3K/AKT axis in the livers of Shaoxing ducks ( <i>Anas platyrhynchos</i> ). <i>Food and Function</i> , 2022, 13, 2142-2154.	4.6	26
18	In vivo assessment of molybdenum and cadmium co-induced the mRNA levels of heat shock proteins, inflammatory cytokines and apoptosis in shaoxing duck ( <i>Anas platyrhynchos</i> ) testicles. <i>Poultry Science</i> , 2019, 98, 5424-5431.	3.4	25

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19	Molybdenum and Cadmium co-induced the levels of autophagy-related genes via adenosine 5â€™-monophosphate-activated protein kinase/mammalian target of rapamycin signaling pathway in Shaoxing Duck ( <i>Anas platyrhyncha</i> ) kidney. <i>Poultry Science</i> , 2019, 98, 6533-6541.	3.4	24
20	Cadmium and molybdenum co-exposure triggers autophagy via CYP450s/ROS pathway in duck renal tubular epithelial cells. <i>Science of the Total Environment</i> , 2021, 759, 143570.	8.0	24
21	In vivo assessment of molybdenum and cadmium co-induce nephrotoxicity via NLRP3/Caspase-1-mediated pyroptosis in ducks. <i>Journal of Inorganic Biochemistry</i> , 2021, 224, 111584.	3.5	23
22	Changes in Trace Element Contents and Morphology in Bones of Duck Exposed to Molybdenum or/and Cadmium. <i>Biological Trace Element Research</i> , 2017, 175, 449-457.	3.5	22
23	In vivo assessment of molybdenum and cadmium co-induce nephrotoxicity via causing calcium homeostasis disorder and autophagy in ducks ( <i>Anas platyrhyncha</i> ). <i>Ecotoxicology and Environmental Safety</i> , 2022, 230, 113099.	6.0	19
24	Molybdenum and cadmium co-exposure induces endoplasmic reticulum stress-mediated apoptosis by Th1 polarization in Shaoxing duck ( <i>Anas platyrhyncha</i> ) spleens. <i>Chemosphere</i> , 2022, 298, 134275.	8.2	19
25	Oxidative Stress and Cell Apoptosis in Caprine Liver Induced by Molybdenum and Cadmium in Combination. <i>Biological Trace Element Research</i> , 2016, 173, 79-86.	3.5	18
26	Effects of Molybdenum or/and Cadmium on mRNA Expression Levels of Inflammatory Cytokines and HSPs in Duck Spleens. <i>Biological Trace Element Research</i> , 2016, 170, 237-244.	3.5	18
27	Alterations in antioxidant function and cell apoptosis in duck spleen exposed to molybdenum and/or cadmium. <i>Journal of Veterinary Science</i> , 2017, 18, 193.	1.3	18
28	Molybdenum Induces Mitochondrial Oxidative Damage in Kidney of Goats. <i>Biological Trace Element Research</i> , 2020, 197, 167-174.	3.5	18
29	Cell apoptosis of caprine spleen induced by toxicity of cadmium with different levels of molybdenum. <i>Environmental Toxicology and Pharmacology</i> , 2015, 40, 49-56.	4.0	17
30	Effects of Different Levels of Molybdenum on Rumen Microbiota and Trace Elements Changes in Tissues from Goats. <i>Biological Trace Element Research</i> , 2016, 174, 85-92.	3.5	17
31	Changes of Antioxidant Function and the mRNA Expression Levels of Apoptosis Genes in Duck Ovaries Caused by Molybdenum or/and Cadmium. <i>Biological Trace Element Research</i> , 2016, 171, 410-418.	3.5	15
32	Inhibition of autophagy aggravates molybdenum-induced mitochondrial dysfunction by aggravating oxidative stress in duck renal tubular epithelial cells. <i>Ecotoxicology and Environmental Safety</i> , 2021, 209, 111771.	6.0	14
33	Molybdenum and Cadmium Co-induce Pyroptosis via Inhibiting Nrf2-Mediated Antioxidant Defense Response in the Brain of Ducks. <i>Biological Trace Element Research</i> , 2023, 201, 874-887.	3.5	14
34	The co-induced effects of molybdenum and cadmium on the mRNA expression of inflammatory cytokines and trace element contents in duck kidneys. <i>Ecotoxicology and Environmental Safety</i> , 2016, 133, 157-163.	6.0	13
35	The Co-Induced Effects of Molybdenum and Cadmium on the Trace Elements and the mRNA Expression Levels of CP and MT in Duck Testicles. <i>Biological Trace Element Research</i> , 2016, 169, 331-340.	3.5	11
36	Molybdenum and Cadmium exposure influences the concentration of trace elements in the digestive organs of Shaoxing duck ( <i>Anas platyrhyncha</i> ). <i>Ecotoxicology and Environmental Safety</i> , 2018, 164, 75-83.	6.0	10

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37	Nrf2 axis and endoplasmic reticulum stress mediated autophagy activation is involved in molybdenum and cadmium co-induced hepatotoxicity in ducks. <i>Journal of Inorganic Biochemistry</i> , 2022, 229, 111730.	3.5	6
38	Effect of Stress from Cadmium Combined with Different Levels of Molybdenum on Serum Free Radical and Expression of Related Apoptosis Genes in Goat Livers. <i>Biological Trace Element Research</i> , 2016, 172, 346-353.	3.5	4
39	Varying Dietary Levels of Molybdenum Inducing Cell Apoptosis of Spleen Under Cadmium Stress in Caprine. <i>Biological Trace Element Research</i> , 2016, 172, 127-133.	3.5	4
40	Involvement of calcium homeostasis and unfolded protein response in autophagy co-induced by molybdenum and cadmium in duck ( <i>Anas platyrhynchos</i> ) brain. <i>Environmental Science and Pollution Research</i> , 2022, 29, 38303-38314.	5.3	3
41	Selenium Antagonizes Cadmium-Induced Inflammation and Oxidative Stress via Suppressing the Interplay between NLRP3 Inflammasome and HMGB1/NF- $\kappa$ B Pathway in Duck Hepatocytes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6252.	4.1	3
42	The improving effects of biotin on hepatic histopathology and related apolipoprotein mRNA expression in laying hens with fatty liver hemorrhagic syndrome. <i>Canadian Journal of Animal Science</i> , 2020, 100, 494-501.	1.5	0