

Mingwei Xing

List of Publications by Year in descending order

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76
papers

2,350
citations

218592

26
h-index

233338

45
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78
all docs

78
docs citations

78
times ranked

1243
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparative review of microplastics and nanoplastics: Toxicity hazards on digestive, reproductive and nervous system. <i>Science of the Total Environment</i> , 2021, 774, 145758.	3.9	173
2	Oxidative stress-induced skeletal muscle injury involves in NF- κ B/p53-activated immunosuppression and apoptosis response in copper (II) or/and arsenite-exposed chicken. <i>Chemosphere</i> , 2018, 210, 76-84.	4.2	110
3	ROS-Induced Hepatotoxicity under Cypermethrin: Involvement of the Crosstalk between Nrf2/Keap1 and NF- κ B/i κ B-1 α Pathways Regulated by Proteasome. <i>Environmental Science & Technology</i> , 2021, 55, 6171-6183.	4.6	99
4	Neurotoxicity induced by arsenic in Gallus Gallus: Regulation of oxidative stress and heat shock protein response. <i>Chemosphere</i> , 2017, 166, 238-245.	4.2	97
5	Copper (II) and/or arsenite-induced oxidative stress cascades apoptosis and autophagy in the skeletal muscles of chicken. <i>Chemosphere</i> , 2018, 206, 597-605.	4.2	93
6	Targeting the miR-122/PKM2 autophagy axis relieves arsenic stress. <i>Journal of Hazardous Materials</i> , 2020, 383, 121217.	6.5	87
7	The cardiotoxicity of the common carp (<i>Cyprinus carpio</i>) exposed to environmentally relevant concentrations of arsenic and subsequently relieved by zinc supplementation. <i>Environmental Pollution</i> , 2019, 253, 741-748.	3.7	78
8	Polystyrene microplastics-induced cardiotoxicity in chickens via the ROS-driven NF- κ B-NLRP3-GSDMD and AMPK-PGC-1 α axes. <i>Science of the Total Environment</i> , 2022, 840, 156727.	3.9	77
9	Arsenite renal apoptotic effects in chickens co-aggravated by oxidative stress and inflammatory response. <i>Metallomics</i> , 2018, 10, 1805-1813.	1.0	76
10	Environmentally relevant concentration of cypermethrin or/and sulfamethoxazole induce neurotoxicity of grass carp: Involvement of blood-brain barrier, oxidative stress and apoptosis. <i>Science of the Total Environment</i> , 2021, 762, 143054.	3.9	74
11	Copper and arsenic-induced oxidative stress and immune imbalance are associated with activation of heat shock proteins in chicken intestines. <i>International Immunopharmacology</i> , 2018, 60, 64-75.	1.7	69
12	Environmentally relevant concentration of sulfamethoxazole-induced oxidative stress-cascaded damages in the intestine of grass carp and the therapeutic application of exogenous lycopene. <i>Environmental Pollution</i> , 2021, 274, 116597.	3.7	69
13	Microplastics pollution and risk assessment in water bodies of two nature reserves in Jilin Province: Correlation analysis with the degree of human activity. <i>Science of the Total Environment</i> , 2021, 799, 149390.	3.9	61
14	Polystyrene microplastics up-regulates liver glutamine and glutamate synthesis and promotes autophagy-dependent ferroptosis and apoptosis in the cerebellum through the liver-brain axis. <i>Environmental Pollution</i> , 2022, 307, 119449.	3.7	60
15	Subchronic arsenism-induced oxidative stress and inflammation contribute to apoptosis through mitochondrial and death receptor dependent pathways in chicken immune organs. <i>Oncotarget</i> , 2017, 8, 40327-40344.	0.8	55
16	Synergistic effect of copper and arsenic upon oxidative stress, inflammation and autophagy alterations in brain tissues of Gallus gallus. <i>Journal of Inorganic Biochemistry</i> , 2018, 178, 54-62.	1.5	55
17	Zinc offers splenic protection through suppressing PERK/IRE1-driven apoptosis pathway in common carp (<i>Cyprinus carpio</i>) under arsenic stress. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111473.	2.9	52
18	Grass carps co-exposed to environmentally relevant concentrations of cypermethrin and sulfamethoxazole bear immunodeficiency and are vulnerable to subsequent <i>Aeromonas hydrophila</i> infection. <i>Environmental Pollution</i> , 2020, 266, 115156.	3.7	50

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19	Copper or/and arsenic induce oxidative stress-cascaded, nuclear factor kappa B-dependent inflammation and immune imbalance, triggering heat shock response in the kidney of chicken. <i>Oncotarget</i> , 2017, 8, 98103-98116.	0.8	42
20	Destruction of redox and mitochondrial dynamics co-contributes to programmed cell death in chicken kidney under arsenite or/and copper (II) exposure. <i>Ecotoxicology and Environmental Safety</i> , 2019, 179, 167-174.	2.9	41
21	The inflammatory responses in Cu-mediated elemental imbalance is associated with mitochondrial fission and intrinsic apoptosis in <i>Gallus gallus</i> heart. <i>Chemosphere</i> , 2017, 189, 489-497.	4.2	32
22	Copper or/and arsenic induces autophagy by oxidative stress-related PI3K/AKT/mTOR pathways and cascaded mitochondrial fission in chicken skeletal muscle. <i>Journal of Inorganic Biochemistry</i> , 2018, 188, 1-8.	1.5	31
23	Impacts of simultaneous exposure to arsenic (III) and copper (II) on inflammatory response, immune homeostasis, and heat shock response in chicken thymus. <i>International Immunopharmacology</i> , 2018, 64, 60-68.	1.7	31
24	Regulation of autophagy factors by oxidative stress and cardiac enzymes imbalance during arsenic or/and copper induced cardiotoxicity in <i>Gallus gallus</i> . <i>Ecotoxicology and Environmental Safety</i> , 2018, 148, 125-134.	2.9	30
25	Effects of Arsenic Trioxide Exposure on Heat Shock Protein Response in the Immune Organs of Chickens. <i>Biological Trace Element Research</i> , 2016, 169, 134-141.	1.9	29
26	Arsenic trioxide and/or copper sulfate induced apoptosis and autophagy associated with oxidative stress and perturbation of mitochondrial dynamics in the thymus of <i>Gallus gallus</i> . <i>Chemosphere</i> , 2019, 219, 227-235.	4.2	29
27	Zinc alleviates arsenism in common carp: Varied change profiles of cytokines and tight junction proteins among two intestinal segments. <i>Fish and Shellfish Immunology</i> , 2019, 94, 761-768.	1.6	27
28	Interplay between elemental imbalance-related PI3K/Akt/mTOR-regulated apoptosis and autophagy in arsenic (III)-induced jejunum toxicity of chicken. <i>Environmental Science and Pollution Research</i> , 2018, 25, 18662-18672.	2.7	26
29	Zinc exerts its renal protection effect on arsenic-exposed common carp: A signaling network comprising Nrf2, NF- κ B and MAPK pathways. <i>Fish and Shellfish Immunology</i> , 2020, 104, 383-390.	1.6	26
30	Arsenic and/or copper caused inflammatory response via activation of inducible nitric oxide synthase pathway and triggered heat shock protein responses in testis tissues of chicken. <i>Environmental Science and Pollution Research</i> , 2018, 25, 7719-7729.	2.7	25
31	Arsenic (III) or/and copper (II) exposure induce immunotoxicity through trigger oxidative stress, inflammation and immune imbalance in the bursa of chicken. <i>Ecotoxicology and Environmental Safety</i> , 2020, 190, 110127.	2.9	25
32	Inflammatory Factor Alterations in the Gastrointestinal Tract of Cocks Overexposed to Arsenic Trioxide. <i>Biological Trace Element Research</i> , 2015, 167, 288-299.	1.9	23
33	Alterations of antioxidant indexes and inflammatory cytokine expression aggravated hepatocellular apoptosis through mitochondrial and death receptor-dependent pathways in <i>Gallus gallus</i> exposed to arsenic and copper. <i>Environmental Science and Pollution Research</i> , 2018, 25, 15462-15473.	2.7	23
34	Arsenic trioxide or/and copper sulfate co-exposure induce glandular stomach of chicken injury via destruction of the mitochondrial dynamics and activation of apoptosis as well as autophagy. <i>Ecotoxicology and Environmental Safety</i> , 2019, 185, 109678.	2.9	22
35	The Role of Oxidative Stress in Gastrointestinal Tract Tissues Induced by Arsenic Toxicity in Cocks. <i>Biological Trace Element Research</i> , 2015, 168, 490-499.	1.9	20
36	Arsenic Trioxide Attenuates NF- κ B and Cytokine mRNA Levels in the Livers of Cocks. <i>Biological Trace Element Research</i> , 2016, 170, 432-437.	1.9	19

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37	Arsenic (III) and/or copper (II) induces oxidative stress in chicken brain and subsequent effects on mitochondrial homeostasis and autophagy. <i>Journal of Inorganic Biochemistry</i> , 2020, 211, 111201.	1.5	19
38	Lycopene alleviates sulfamethoxazole-induced hepatotoxicity in grass carp (<i>Ctenopharyngodon</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 2020, 11, 8547-8559.	2.1	19
39	Arsenic affects inflammatory cytokine expression in <i>Gallus gallus</i> brain tissues. <i>BMC Veterinary Research</i> , 2017, 13, 157.	0.7	18
40	Arsenite induce neurotoxicity of common carp: Involvement of blood brain barrier, apoptosis and autophagy, and subsequently relieved by zinc (Zn) supplementation. <i>Aquatic Toxicology</i> , 2021, 232, 105765.	1.9	18
41	NF- κ B-mediated inflammation correlates with calcium overload under arsenic trioxide-induced myocardial damage in <i>Gallus gallus</i> . <i>Chemosphere</i> , 2017, 185, 618-627.	4.2	17
42	Hepatoprotective effects of zinc (II) via cytochrome P-450/reactive oxygen species and canonical apoptosis pathways after arsenite waterborne exposure in common carp. <i>Chemosphere</i> , 2019, 236, 124869.	4.2	17
43	As ³⁺ or/and Cu ²⁺ exposure triggers oxidative stress imbalance, induces inflammatory response and apoptosis in chicken brain. <i>Ecotoxicology and Environmental Safety</i> , 2020, 203, 110993.	2.9	17
44	The disturbance of autophagy and apoptosis in the gizzard caused by copper and/or arsenic are related to mitochondrial kinetics. <i>Chemosphere</i> , 2019, 231, 1-9.	4.2	16
45	Cloning, expression and antiviral bioactivity of Red-crowned Crane interferon- β . <i>Gene</i> , 2014, 544, 49-55.	1.0	15
46	Newcastle disease virus from domestic mink, China, 2014. <i>Veterinary Microbiology</i> , 2017, 198, 104-107.	0.8	15
47	Lycopene attenuates oxidative stress, inflammation, and apoptosis by modulating Nrf2/NF- κ B balance in sulfamethoxazole-induced neurotoxicity in grass carp (<i>Ctenopharyngodon Idella</i>). <i>Fish and Shellfish Immunology</i> , 2022, 121, 322-331.	1.6	15
48	Arsenic-induced testicular toxicity in <i>Gallus gallus</i> : Expressions of inflammatory cytokines and heat shock proteins. <i>Poultry Science</i> , 2017, 96, 3399-3406.	1.5	14
49	Deciphering the ionic homeostasis, oxidative stress, apoptosis, and autophagy in chicken intestine under copper(II) stress. <i>Environmental Science and Pollution Research</i> , 2018, 25, 33172-33182.	2.7	14
50	Evaluated the Twenty-Six Elements in the Pectoral Muscle of As-Treated Chicken by Inductively Coupled Plasma Mass Spectrometry. <i>Biological Trace Element Research</i> , 2016, 169, 359-364.	1.9	13
51	Zinc application alleviates the adverse renal effects of arsenic stress in a protein quality control way in common carp. <i>Environmental Research</i> , 2020, 191, 110063.	3.7	13
52	Simultaneous analysis 26 mineral element contents from highly consumed cultured chicken overexposed to arsenic trioxide by inductively coupled plasma mass spectrometry. <i>Environmental Science and Pollution Research</i> , 2016, 23, 21741-21750.	2.7	12
53	Heat Shock Protein Alteration in the Gastrointestinal Tract Tissues of Chickens Exposed to Arsenic Trioxide. <i>Biological Trace Element Research</i> , 2016, 170, 224-236.	1.9	12
54	Zinc antagonizes common carp (<i>Cyprinus carpio</i>) intestinal arsenic poisoning through PI3K/AKT/mTOR signaling cascade and MAPK pathway. <i>Aquatic Toxicology</i> , 2021, 240, 105986.	1.9	12

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55	Copper-Mediated Mitochondrial Fission/Fusion Is Associated with Intrinsic Apoptosis and Autophagy in the Testis Tissues of Chicken. <i>Biological Trace Element Research</i> , 2019, 188, 468-477.	1.9	11
56	Arsenic-induced cardiotoxicity correlates with mitochondrial damage and trace elements imbalance in broiler chickens. <i>Poultry Science</i> , 2019, 98, 734-744.	1.5	11
57	Oxidative damage under As ³⁺ and/or Cu ²⁺ stress leads to apoptosis and autophagy and may be cross-talking with mitochondrial disorders in bursa of Fabricius. <i>Journal of Inorganic Biochemistry</i> , 2020, 205, 110989.	1.5	11
58	Excessive Cu ²⁺ deteriorates arsenite-induced apoptosis in chicken brain and resulting in immunosuppression, not in homeostasis. <i>Chemosphere</i> , 2020, 239, 124758.	4.2	10
59	Discrepant effects of copper (II) stress on different types of skeletal muscles in chicken: Elements and amino acids. <i>Ecotoxicology and Environmental Safety</i> , 2019, 167, 227-235.	2.9	9
60	NLRP3 inflammasome is involved in the mechanism of the mitigative effect of lycopene on sulfamethoxazole-induced inflammatory damage in grass carp kidneys. <i>Fish and Shellfish Immunology</i> , 2022, 123, 348-357.	1.6	9
61	Ascarid infestation in captive Siberian tigers in China. <i>Veterinary Parasitology</i> , 2016, 226, 74-77.	0.7	8
62	Arsenic (III) induces oxidative stress and inflammation in the gills of common carp, which is ameliorated by zinc (II). <i>Journal of Inorganic Biochemistry</i> , 2021, 225, 111617.	1.5	8
63	Oxidative stress is involved in the activation of NF- κ B signal pathway and immune inflammatory response in grass carp gill induced by cypermethrin and/or sulfamethoxazole. <i>Environmental Science and Pollution Research</i> , 2022, 29, 19594-19607.	2.7	7
64	Elemental imbalance elicited by arsenic and copper exposures leads to oxidative stress and immunotoxicity in chicken gizzard, activating the protective effects of heat shock proteins. <i>Environmental Science and Pollution Research</i> , 2019, 26, 36343-36353.	2.7	6
65	The Activation of Heat-Shock Protein After Copper(II) and/or Arsenic(III)-Induced Imbalance of Homeostasis, Inflammatory Response in Chicken Rectum. <i>Biological Trace Element Research</i> , 2020, 195, 613-623.	1.9	6
66	Co-administration of zinc for treating and preventing arsenism in common carp <i>Cyprinus carpio</i> : An alternative to avoid physiological and cellular damages. <i>Aquaculture</i> , 2021, 531, 735965.	1.7	6
67	Isolation and characterization of a herpesvirus from feral pigeons in China. <i>Veterinary Journal</i> , 2015, 206, 417-419.	0.6	5
68	Arsenic Trioxide Exposure Induces Heat Shock Protein Responses in Cock Livers. <i>Biological Trace Element Research</i> , 2016, 170, 459-465.	1.9	5
69	Complete genome sequence and evolution analysis of a columbid herpesvirus type 1 from feral pigeon in China. <i>Archives of Virology</i> , 2017, 162, 2131-2133.	0.9	5
70	Subchronic Arsenism Disorders mRNA Expression of Cytokines and Immunoglobulins in the Intestinal Tract of the Cock. <i>Biological Trace Element Research</i> , 2018, 182, 111-118.	1.9	5
71	Characterization of Whooper Swan (<i>Cygnus cygnus</i>) Interferon $\hat{\iota}$: Prokaryotic Expression, Biological Activities, and Physicochemical Characteristics. <i>Journal of Interferon and Cytokine Research</i> , 2018, 38, 20-28.	0.5	4
72	Characterization, functional and signaling elucidation of pigeon (<i>Columba livia</i>) interferon- $\hat{\iota}$: Knockdown p53 negatively modulates antiviral response. <i>Developmental and Comparative Immunology</i> , 2019, 90, 29-40.	1.0	4

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73	Molecular cloning and functional characterization of eleven subtypes of interferon- β in Amur tigers (<i>Panthera tigris altaica</i>). <i>Developmental and Comparative Immunology</i> , 2017, 77, 46-55.	1.0	3
74	The protective effect of Zn ²⁺ on As ³⁺ toxicity in common carp: Resistance to oxidative stress, inhibition of endoplasmic reticulum stress, apoptosis and autophagy. <i>Aquaculture</i> , 2022, 546, 737375.	1.7	3
75	Molecular cloning and transcriptional regulation of Indian peafowl (<i>Pavo cristatus</i>) IFN- β gene. <i>Cell Stress and Chaperones</i> , 2019, 24, 323-332.	1.2	2
76	Interferon-beta, interferon-gamma and their fusion interferon of Siberian tigers (<i>Panthera tigris</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 <i>Developmental and Comparative Immunology</i> , 2021, 125, 104211.	1.0	0