

# Mingwei Xing

## List of Publications by Year in descending order

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Version: 2024-02-01

76  
papers

2,350  
citations

218592

26  
h-index

233338

45  
g-index

78  
all docs

78  
docs citations

78  
times ranked

1243  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | The protective effect of Zn <sup>2+</sup> on As <sup>3+</sup> 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         |
| 2  | Oxidative stress is involved in the activation of NF- $\kappa$ 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         |
| 3  | Lycopene attenuates oxidative stress, inflammation, and apoptosis by modulating Nrf2/NF- $\kappa$ 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        |
| 4  | 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         |
| 5  | 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        |
| 6  | Polystyrene microplastics-induced cardiotoxicity in chickens via the ROS-driven NF- $\kappa$ B-NLRP3-GSDMD and AMPK-PGC-1 $\alpha$ axes. <i>Science of the Total Environment</i> , 2022, 840, 156727.  | 3.9 | 77        |
| 7  | 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        |
| 8  | 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         |
| 9  | 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        |
| 10 | Arsenite induce neurotoxicity of common carp: Involvement of blood brain barrier, apoptosis and autophagy, and subsequently relieved by zinc (Zn <sup>2+</sup> ) supplementation. <i>Aquatic Toxicology</i> , 2021, 232, 105765.                                   | 1.9 | 18        |
| 11 | ROS-Induced Hepatotoxicity under Cypermethrin: Involvement of the Crosstalk between Nrf2/Keap1 and NF- $\kappa$ B/IR $\beta$ Pathways Regulated by Proteasome. <i>Environmental Science &amp; Technology</i> , 2021, 55, 6171-6183.                                | 4.6 | 99        |
| 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 | 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       |
| 14 | 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        |
| 15 | 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         |
| 16 | Interferon-beta, interferon-gamma and their fusion interferon of Siberian tigers ( <i>Panthera tigris</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14<br><i>Developmental and Comparative Immunology</i> , 2021, 125, 104211.  | 1.0 | 0         |
| 17 | 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        |
| 18 | Targeting the miR-122/PKM2 autophagy axis relieves arsenic stress. <i>Journal of Hazardous Materials</i> , 2020, 383, 121217.  | 6.5 | 87        |

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|----|--|-----|-----------|
| 19 | 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         |
| 20 | Excessive Cu <sup>2+</sup> deteriorates arsenite-induced apoptosis in chicken brain and resulting in immunosuppression, not in homeostasis. <i>Chemosphere</i> , 2020, 239, 124758.  | 4.2 | 10        |
| 21 | 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        |
| 22 | 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        |
| 23 | 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        |
| 24 | As <sup>3+</sup> or/and Cu <sup>2+</sup> 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        |
| 25 | 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        |
| 26 | Zinc exerts its renal protection effect on arsenic-exposed common carp: A signaling network comprising Nrf2, NF- $\kappa$ B and MAPK pathways. <i>Fish and Shellfish Immunology</i> , 2020, 104, 383-390.  | 1.6 | 26        |
| 27 | Oxidative damage under As <sup>3+</sup> and/or Cu <sup>2+</sup> 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        |
| 28 | Lycopene alleviates sulfamethoxazole-induced hepatotoxicity in grass carp ( <i>Ctenopharyngodon</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5<br>2020, 11, 8547-8559.  | 2.1 | 19        |
| 29 | 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        |
| 30 | 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        |
| 31 | 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        |
| 32 | 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        |
| 33 | 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         |
| 34 | 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        |
| 35 | Molecular cloning and transcriptional regulation of Indian peafowl ( <i>Pavo cristatus</i> ) IFN- $\gamma$ gene. <i>Cell Stress and Chaperones</i> , 2019, 24, 323-332.  | 1.2 | 2         |
| 36 | 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        |

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|----|---|-----|-----------|
| 37 | 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        |
| 38 | Characterization, functional and signaling elucidation of pigeon ( <i>Columba livia</i> ) interferon- $\beta$ : Knockdown p53 negatively modulates antiviral response. <i>Developmental and Comparative Immunology</i> , 2019, 90, 29-40.   | 1.0 | 4         |
| 39 | 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         |
| 40 | 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        |
| 41 | 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        |
| 42 | 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        |
| 43 | 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        |
| 44 | 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        |
| 45 | 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        |
| 46 | 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         |
| 47 | Synergistic effect of copper and arsenic upon oxidative stress, inflammation and autophagy alterations in brain tissues of <i>Gallus gallus</i> . <i>Journal of Inorganic Biochemistry</i> , 2018, 178, 54-62.  | 1.5 | 55        |
| 48 | Characterization of Whooper Swan ( <i>Cygnus cygnus</i> ) Interferon $\beta$ : Prokaryotic Expression, Biological Activities, and Physicochemical Characteristics. <i>Journal of Interferon and Cytokine Research</i> , 2018, 38, 20-28.  | 0.5 | 4         |
| 49 | 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        |
| 50 | Arsenite renal apoptotic effects in chickens co-aggravated by oxidative stress and inflammatory response. <i>Metallomics</i> , 2018, 10, 1805-1813.   | 1.0 | 76        |
| 51 | 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        |
| 52 | 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        |
| 53 | Oxidative stress-induced skeletal muscle injury involves in NF- $\kappa$ 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       |
| 54 | 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        |

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|----|---|-----|-----------|
| 55 | 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        |
| 56 | 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        |
| 57 | 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         |
| 58 | Newcastle disease virus from domestic mink, China, 2014. <i>Veterinary Microbiology</i> , 2017, 198, 104-107.   | 0.8 | 15        |
| 59 | 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        |
| 60 | NF- $\kappa$ 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        |
| 61 | Molecular cloning and functional characterization of eleven subtypes of interferon- $\lambda$ in Amur tigers ( <i>Panthera tigris altaica</i> ). <i>Developmental and Comparative Immunology</i> , 2017, 77, 46-55.                                   | 1.0 | 3         |
| 62 | Arsenic affects inflammatory cytokine expression in <i>Gallus gallus</i> brain tissues. <i>BMC Veterinary Research</i> , 2017, 13, 157.   | 0.7 | 18        |
| 63 | Neurotoxicity induced by arsenic in <i>Gallus Gallus</i> : Regulation of oxidative stress and heat shock protein response. <i>Chemosphere</i> , 2017, 166, 238-245.   | 4.2 | 97        |
| 64 | 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        |
| 65 | 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        |
| 66 | Ascarid infestation in captive Siberian tigers in China. <i>Veterinary Parasitology</i> , 2016, 226, 74-77.   | 0.7 | 8         |
| 67 | 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        |
| 68 | 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        |
| 69 | Arsenic Trioxide Exposure Induces Heat Shock Protein Responses in Cock Livers. <i>Biological Trace Element Research</i> , 2016, 170, 459-465.   | 1.9 | 5         |
| 70 | 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        |
| 71 | 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        |
| 72 | Arsenic Trioxide Attenuates NF- $\kappa$ 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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|----|--|-----|-----------|
| 73 | 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        |
| 74 | 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        |
| 75 | Isolation and characterization of a herpesvirus from feral pigeons in China. <i>Veterinary Journal</i> , 2015, 206, 417-419.   | 0.6 | 5         |
| 76 | Cloning, expression and antiviral bioactivity of Red-crowned Crane interferon- $\beta$ . <i>Gene</i> , 2014, 544, 49-55.   | 1.0 | 15        |