

Shi-Wen Xu

List of Publications by Year in descending order

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201
papers

8,413
citations

31976

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76900

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203
all docs

203
docs citations

203
times ranked

4458
citing authors

#	ARTICLE	IF	CITATIONS
1	Gene Expression of Endoplasmic Reticulum Resident Selenoproteins Correlates with Apoptosis in Various Muscles of Se-Deficient Chicks. <i>Journal of Nutrition</i> , 2013, 143, 613-619.	2.9	182
2	Selenoprotein W serves as an antioxidant in chicken myoblasts. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 3112-3120.	2.4	169
3	Histopathological changes and antioxidant response in brain and kidney of common carp exposed to atrazine and chlorpyrifos. <i>Chemosphere</i> , 2012, 88, 377-383.	8.2	151
4	miR-200a-5p regulates myocardial necroptosis induced by Se deficiency via targeting RNF11. <i>Redox Biology</i> , 2018, 15, 159-169.	9.0	141
5	The antagonistic effect of selenium on cadmium-induced apoptosis via PPAR- β /PI3K/Akt pathway in chicken pancreas. <i>Journal of Hazardous Materials</i> , 2018, 357, 355-362.	12.4	139
6	The antagonistic effect of selenium on lead-induced apoptosis via mitochondrial dynamics pathway in the chicken kidney. <i>Chemosphere</i> , 2017, 180, 259-266.	8.2	132
7	Oxidative stress response and histopathological changes due to atrazine and chlorpyrifos exposure in common carp. <i>Pesticide Biochemistry and Physiology</i> , 2012, 103, 74-80.	3.6	123
8	Effect of cadmium on oxidative stress and immune function of common carp (<i>Cyprinus carpio</i> L.) by transcriptome analysis. <i>Aquatic Toxicology</i> , 2017, 192, 171-177.	4.0	121
9	Chlorpyrifos induces the apoptosis and necroptosis of L8824 cells through the ROS/PTEN/PI3K/AKT axis. <i>Journal of Hazardous Materials</i> , 2020, 398, 122905.	12.4	121
10	Testicular toxicity induced by dietary cadmium in cocks and ameliorative effect by selenium. <i>BioMetals</i> , 2010, 23, 695-705.	4.1	115
11	Effects of selenium-lead interaction on the gene expression of inflammatory factors and selenoproteins in chicken neutrophils. <i>Ecotoxicology and Environmental Safety</i> , 2017, 139, 447-453.	6.0	112
12	Cadmium induces BNIP3-dependent autophagy in chicken spleen by modulating miR-33-AMPK axis. <i>Chemosphere</i> , 2018, 194, 396-402.	8.2	98
13	H ₂ S induces Th1/Th2 imbalance with triggered NF- κ B pathway to exacerbate LPS-induced chicken pneumonia response. <i>Chemosphere</i> , 2018, 208, 241-246.	8.2	96
14	Exposure to imidacloprid induce oxidative stress, mitochondrial dysfunction, inflammation, apoptosis and mitophagy via NF- κ B/JNK pathway in grass carp hepatocytes. <i>Fish and Shellfish Immunology</i> , 2022, 120, 674-685.	3.6	95
15	Interplay between autophagy and apoptosis in selenium deficient cardiomyocytes in chicken. <i>Journal of Inorganic Biochemistry</i> , 2017, 170, 17-25.	3.5	94
16	Hydrogen sulfide exposure induces jejunum injury via CYP450s/ROS pathway in broilers. <i>Chemosphere</i> , 2019, 214, 25-34.	8.2	94
17	Atrazine hinders PMA-induced neutrophil extracellular traps in carp via the promotion of apoptosis and inhibition of ROS burst, autophagy and glycolysis. <i>Environmental Pollution</i> , 2018, 243, 282-291.	7.5	91
18	Hydrogen sulfide exposure triggers chicken trachea inflammatory injury through oxidative stress-mediated FOS/IL8 signaling. <i>Journal of Hazardous Materials</i> , 2019, 368, 243-254.	12.4	91

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19	Ammonia induces Treg/Th1 imbalance with triggered NF- κ B pathway leading to chicken respiratory inflammation response. <i>Science of the Total Environment</i> , 2019, 659, 354-362.	8.0	89
20	Cadmium induced hepatotoxicity in chickens (<i>Gallus domesticus</i>) and ameliorative effect by selenium. <i>Ecotoxicology and Environmental Safety</i> , 2013, 96, 103-109.	6.0	88
21	Effects of Oxidative Stress on Immunosuppression Induced by Selenium Deficiency in Chickens. <i>Biological Trace Element Research</i> , 2012, 149, 352-361.	3.5	85
22	Effects of atrazine and chlorpyrifos on activity and transcription of glutathione S-transferase in common carp (<i>Cyprinus carpio</i> L.). <i>Environmental Toxicology and Pharmacology</i> , 2012, 33, 233-244.	4.0	81
23	Cadmium-induced oxidative stress promotes apoptosis and necrosis through the regulation of the miR-216a-PI3K/AKT axis in common carp lymphocytes and antagonized by selenium. <i>Chemosphere</i> , 2020, 258, 127341.	8.2	81
24	The role of heat shock proteins in inflammatory injury induced by cold stress in chicken hearts. <i>Cell Stress and Chaperones</i> , 2013, 18, 773-783.	2.9	79
25	Chlorpyrifos induced oxidative stress to promote apoptosis and autophagy through the regulation of miR-19a-AMPK axis in common carp. <i>Fish and Shellfish Immunology</i> , 2019, 93, 1093-1099.	3.6	79
26	Roles of selenoprotein S in reactive oxygen species-dependent neutrophil extracellular trap formation induced by selenium-deficient arteritis. <i>Redox Biology</i> , 2021, 44, 102003.	9.0	79
27	Selenium Deficiency Mainly Influences the Gene Expressions of Antioxidative Selenoproteins in Chicken Muscles. <i>Biological Trace Element Research</i> , 2014, 161, 318-327.	3.5	78
28	Chlorpyrifos exposure in common carp (<i>Cyprinus carpio</i> L.) leads to oxidative stress and immune responses. <i>Fish and Shellfish Immunology</i> , 2017, 67, 604-611.	3.6	78
29	Application of transcriptome analysis: Oxidative stress, inflammation and microtubule activity disorder caused by ammonia exposure may be the primary factors of intestinal microvilli deficiency in chicken. <i>Science of the Total Environment</i> , 2019, 696, 134035.	8.0	78
30	Polystyrene nanoplastics induced cardiomyocyte apoptosis and myocardial inflammation in carp by promoting ROS production. <i>Fish and Shellfish Immunology</i> , 2022, 125, 1-8.	3.6	77
31	Atrazine exposure triggers common carp neutrophil apoptosis via the CYP450s/ROS pathway. <i>Fish and Shellfish Immunology</i> , 2019, 84, 551-557.	3.6	76
32	Effects of atrazine and chlorpyrifos on the mRNA levels of HSP70 and HSC70 in the liver, brain, kidney and gill of common carp (<i>Cyprinus carpio</i> L.). <i>Chemosphere</i> , 2013, 90, 910-916.	8.2	74
33	Effects of atrazine and chlorpyrifos on the mRNA levels of IL-1 and IFN- γ 2b in immune organs of common carp. <i>Fish and Shellfish Immunology</i> , 2011, 31, 126-133.	3.6	72
34	Effects of cold stress on mRNA expression of immunoglobulin and cytokine in the small intestine of broilers. <i>Research in Veterinary Science</i> , 2013, 95, 146-155.	1.9	72
35	Effects of atrazine and chlorpyrifos on cytochrome P450 in common carp liver. <i>Chemosphere</i> , 2014, 104, 244-250.	8.2	71
36	Ammonia regulates chicken tracheal cell necroptosis via the LncRNA-107053293/MiR-148a-3p/FAF1 axis. <i>Journal of Hazardous Materials</i> , 2020, 386, 121626.	12.4	71

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37	The Protection of Selenium against Cadmium-Induced Cytotoxicity via the Heat Shock Protein Pathway in Chicken Splenic Lymphocytes. <i>Molecules</i> , 2012, 17, 14565-14572.	3.8	69
38	Cadmium-mediated miR-30a-GRP78 leads to JNK-dependent autophagy in chicken kidney. <i>Chemosphere</i> , 2019, 215, 710-715.	8.2	69
39	Roles of oxidative stress and endoplasmic reticulum stress in selenium deficiency-induced apoptosis in chicken liver. <i>BioMetals</i> , 2015, 28, 255-265.	4.1	68
40	Effects of oxidative stress on apoptosis in manganese-induced testicular toxicity in cocks. <i>Food and Chemical Toxicology</i> , 2013, 60, 168-176.	3.6	67
41	Selenomethionine alleviates LPS-induced chicken myocardial inflammation by regulating the miR-128-3p-p38 MAPK axis and oxidative stress. <i>Metallomics</i> , 2020, 12, 54-64.	2.4	66
42	H ₂ S inhalation-induced energy metabolism disturbance is involved in LPS mediated hepatocyte apoptosis through mitochondrial pathway. <i>Science of the Total Environment</i> , 2019, 663, 380-386.	8.0	65
43	Accumulation, histopathological effects and response of biochemical markers in the spleens and head kidneys of common carp exposed to atrazine and chlorpyrifos. <i>Food and Chemical Toxicology</i> , 2013, 62, 148-158.	3.6	63
44	The antagonistic effect of selenium on lead-induced apoptosis and necroptosis via P38/JNK/ERK pathway in chicken kidney. <i>Ecotoxicology and Environmental Safety</i> , 2022, 231, 113176.	6.0	61
45	A Novel Organic Selenium Compound Exerts Unique Regulation of Selenium Speciation, Selenome, and Selenoproteins in Broiler Chicks. <i>Journal of Nutrition</i> , 2017, 147, 789-797.	2.9	60
46	Effect of atrazine and chlorpyrifos exposure on cytochrome P450 contents and enzyme activities in common carp gills. <i>Ecotoxicology and Environmental Safety</i> , 2013, 94, 28-36.	6.0	59
47	The Role of Nitric Oxide and Oxidative Stress in Intestinal Damage Induced by Selenium Deficiency in Chickens. <i>Biological Trace Element Research</i> , 2015, 163, 144-153.	3.5	59
48	Acute and subchronic toxic effects of atrazine and chlorpyrifos on common carp (<i>Cyprinus carpio</i> L.): Immunotoxicity assessments. <i>Fish and Shellfish Immunology</i> , 2015, 45, 327-333.	3.6	58
49	Avermectin inhibits neutrophil extracellular traps release by activating PTEN demethylation to negatively regulate the PI3K-ERK pathway and reducing respiratory burst in carp. <i>Journal of Hazardous Materials</i> , 2020, 389, 121885.	12.4	58
50	Effects of atrazine and chlorpyrifos on acetylcholinesterase and Carboxylesterase in brain and muscle of common carp. <i>Environmental Toxicology and Pharmacology</i> , 2010, 30, 26-30.	4.0	57
51	Selenium antagonizes cadmium-induced apoptosis in chicken spleen but not involving Nrf2-regulated antioxidant response. <i>Ecotoxicology and Environmental Safety</i> , 2017, 145, 503-510.	6.0	57
52	H ₂ S exposure-induced oxidative stress promotes LPS-mediated hepatocyte autophagy through the PI3K/AKT/TOR pathway. <i>Ecotoxicology and Environmental Safety</i> , 2021, 209, 111801.	6.0	57
53	Bisphenol A regulates cytochrome P450 1B1 through miR-27b-3p and induces carp lymphocyte oxidative stress leading to apoptosis. <i>Fish and Shellfish Immunology</i> , 2020, 102, 489-498.	3.6	57
54	Selenium Deficiency Influences Nitric Oxide and Selenoproteins in Pancreas of Chickens. <i>Biological Trace Element Research</i> , 2014, 161, 341-349.	3.5	54

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55	Effects of avermectin on immune function and oxidative stress in the pigeon spleen. <i>Chemico-Biological Interactions</i> , 2014, 210, 43-50.	4.0	52
56	Effects of atrazine and chlorpyrifos on oxidative stress-induced autophagy in the immune organs of common carp (<i>Cyprinus carpio</i> L.). <i>Fish and Shellfish Immunology</i> , 2015, 44, 12-20.	3.6	52
57	Selenoprotein W redox-regulated Ca ²⁺ channels correlate with selenium deficiency-induced muscles Ca ²⁺ leak. <i>Oncotarget</i> , 2016, 7, 57618-57632.	1.8	52
58	Glyphosate induces lymphocyte cell dysfunction and apoptosis via regulation of miR-203 targeting of PIK3R1 in common carp (<i>Cyprinus carpio</i> L.). <i>Fish and Shellfish Immunology</i> , 2020, 101, 51-57.	3.6	52
59	The proteomic profiling of multiple tissue damage in chickens for a selenium deficiency biomarker discovery. <i>Food and Function</i> , 2020, 11, 1312-1321.	4.6	51
60	Different responses of selenoproteins to the altered expression of selenoprotein W in chicken myoblasts. <i>RSC Advances</i> , 2014, 4, 64032-64042.	3.6	50
61	Selenium Deficiency Inhibits the Conversion of Thyroidal Thyroxine (T ₄) to Triiodothyronine (T ₃) in Chicken Thyroids. <i>Biological Trace Element Research</i> , 2014, 161, 263-271.	3.5	50
62	Chlorpyrifos triggers epithelioma papulosum cyprini cell pyroptosis via miR-124-3p/CAPN1 axis. <i>Journal of Hazardous Materials</i> , 2022, 424, 127318.	12.4	50
63	Oxidative stress mediated by the TLR4/NOX2 signalling axis is involved in polystyrene microplastic-induced uterine fibrosis in mice. <i>Science of the Total Environment</i> , 2022, 838, 155825.	8.0	50
64	Hydrogen sulfide exposure induces apoptosis and necroptosis through lncRNA3037/miR-15a/BCL2-A20 signaling in broiler trachea. <i>Science of the Total Environment</i> , 2020, 699, 134296.	8.0	49
65	Gga-let-7f-3p promotes apoptosis in selenium deficiency-induced skeletal muscle by targeting selenoprotein K. <i>Metallomics</i> , 2018, 10, 941-952.	2.4	48
66	Selenoprotein K protects skeletal muscle from damage and is required for satellite cells-mediated myogenic differentiation. <i>Redox Biology</i> , 2022, 50, 102255.	9.0	48
67	Ovarian Toxicity Induced by Dietary Cadmium in Hen. <i>Biological Trace Element Research</i> , 2012, 148, 53-60.	3.5	47
68	Influence of inflammatory pathway markers on oxidative stress induced by cold stress in intestine of quails. <i>Research in Veterinary Science</i> , 2013, 95, 495-501.	1.9	47
69	Dietary Selenium Affects Selenoprotein W Gene Expression in the Liver of Chicken. <i>Biological Trace Element Research</i> , 2011, 143, 1516-1523.	3.5	46
70	Quercetin antagonizes imidacloprid-induced mitochondrial apoptosis through PTEN/PI3K/AKT in grass carp hepatocytes. <i>Environmental Pollution</i> , 2021, 290, 118036.	7.5	46
71	Avermectin induced liver injury in pigeon: Mechanisms of apoptosis and oxidative stress. <i>Ecotoxicology and Environmental Safety</i> , 2013, 98, 74-81.	6.0	45
72	Pro- and anti-inflammatory cytokine expression in immune organs of the common carp exposed to atrazine and chlorpyrifos. <i>Pesticide Biochemistry and Physiology</i> , 2014, 114, 8-15.	3.6	45

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73	Protective Roles of Selenium on Nitric Oxide-Mediated Apoptosis of Immune Organs Induced by Cadmium in Chickens. <i>Biological Trace Element Research</i> , 2014, 159, 199-209.	3.5	45
74	Effect of oxygen free radicals and nitric oxide on apoptosis of immune organ induced by selenium deficiency in chickens. <i>BioMetals</i> , 2013, 26, 355-365.	4.1	44
75	The Oxidative Damage and Disbalance of Calcium Homeostasis in Brain of Chicken Induced by Selenium Deficiency. <i>Biological Trace Element Research</i> , 2013, 151, 225-233.	3.5	44
76	Effects of Dietary Selenium on Selenoprotein W Gene Expression in the Chicken Immune Organs. <i>Biological Trace Element Research</i> , 2011, 144, 678-687.	3.5	42
77	Effect of Selenium on Selenoprotein Expression in the Adipose Tissue of Chickens. <i>Biological Trace Element Research</i> , 2014, 160, 41-48.	3.5	42
78	Protective effects of selenium yeast against cadmium-induced necroptosis via inhibition of oxidative stress and MAPK pathway in chicken liver. <i>Ecotoxicology and Environmental Safety</i> , 2020, 206, 111329.	6.0	42
79	Effects of subchronic cadmium poisoning on DNA methylation in hens. <i>Environmental Toxicology and Pharmacology</i> , 2009, 27, 345-349.	4.0	41
80	Selenium Regulates Gene Expression of Selenoprotein W in Chicken Gastrointestinal Tract. <i>Biological Trace Element Research</i> , 2012, 145, 181-188.	3.5	41
81	Alterations in activity and mRNA expression of acetylcholinesterase in the liver, kidney and gill of common carp exposed to atrazine and chlorpyrifos. <i>Environmental Toxicology and Pharmacology</i> , 2013, 35, 47-54.	4.0	41
82	The endoplasmic reticulum-mitochondrial crosstalk is involved in the mitigation mechanism of eucalyptol on imidacloprid toxicity in <i>Ctenopharyngodon idellus</i> kidney cells. <i>Fish and Shellfish Immunology</i> , 2022, 127, 99-108.	3.6	41
83	Effects of Dietary Manganese on Cu, Fe, Zn, Ca, Se, IL-1 β , and IL-2 Changes of Immune Organs in Cocks. <i>Biological Trace Element Research</i> , 2012, 148, 336-344.	3.5	40
84	Protective Effects of Selenium on Cadmium-Induced Brain Damage in Chickens. <i>Biological Trace Element Research</i> , 2014, 158, 176-185.	3.5	40
85	Four Endoplasmic Reticulum Resident Selenoproteins May Be Related to the Protection of Selenium Against Cadmium Toxicity in Chicken Lymphocytes. <i>Biological Trace Element Research</i> , 2014, 161, 328-333.	3.5	38
86	Protective effects of selenium against zearalenone-induced apoptosis in chicken spleen lymphocyte via an endoplasmic reticulum stress signaling pathway. <i>Cell Stress and Chaperones</i> , 2019, 24, 77-89.	2.9	38
87	TMT induces apoptosis and necroptosis in mouse kidneys through oxidative stress-induced activation of the NLRP3 inflammasome. <i>Ecotoxicology and Environmental Safety</i> , 2022, 230, 113167.	6.0	38
88	The disruption of mitochondrial metabolism and ion homeostasis in chicken hearts exposed to manganese. <i>Toxicology Letters</i> , 2012, 214, 99-108.	0.8	37
89	Antioxidant response and histopathological changes in brain tissue of pigeon exposed to avermectin. <i>Ecotoxicology</i> , 2013, 22, 1241-1254.	2.4	37
90	Selenium deficiency-induced thioredoxin suppression and thioredoxin knock down disbalanced insulin responsiveness in chicken cardiomyocytes through PI3K/Akt pathway inhibition. <i>Cellular Signalling</i> , 2017, 38, 192-200.	3.6	37

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91	Hydrogen sulfide exposure induces pyroptosis in the trachea of broilers via the regulatory effect of circRNA-17828/miR-6631-5p/DUSP6 crosstalk on ROS production. <i>Journal of Hazardous Materials</i> , 2021, 418, 126172.	12.4	37
92	Selenium Regulates Gene Expression of Selenoprotein W in Chicken Skeletal Muscle System. <i>Biological Trace Element Research</i> , 2012, 145, 59-65.	3.5	36
93	Selenium Deficiency Influences the mRNA Expression of Selenoproteins and Cytokines in Chicken Erythrocytes. <i>Biological Trace Element Research</i> , 2016, 171, 427-436.	3.5	36
94	The imbalance of Th1/Th2 triggers an inflammatory response in chicken spleens after ammonia exposure. <i>Poultry Science</i> , 2020, 99, 3817-3822.	3.4	36
95	Hydrogen sulfide of air induces macrophage extracellular traps to aggravate inflammatory injury via the regulation of miR-15b-5p on MAPK and insulin signals in trachea of chickens. <i>Science of the Total Environment</i> , 2021, 771, 145407.	8.0	36
96	Dietary selenium influences pancreatic tissue levels of selenoprotein W in chickens. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 1156-1160.	3.5	35
97	Effect of Selenium Deficiency on Nitric Oxide and Heat Shock Proteins in Chicken Erythrocytes. <i>Biological Trace Element Research</i> , 2016, 171, 208-213.	3.5	35
98	Effects of manganese-toxicity on immune-related organs of cocks. <i>Chemosphere</i> , 2013, 90, 2085-2100.	8.2	34
99	Effects of atrazine and chlorpyrifos on DNA methylation in the brain and gonad of the common carp. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2015, 168, 11-19.	2.6	34
100	Selenium Deficiency-Induced Inflammation and Increased Expression of Regulating Inflammatory Cytokines in the Chicken Gastrointestinal Tract. <i>Biological Trace Element Research</i> , 2016, 173, 210-218.	3.5	33
101	Selenium deficiency exacerbates LPS-induced necroptosis by regulating miR-16-5p targeting PI3K in chicken tracheal tissue. <i>Metallomics</i> , 2020, 12, 562-571.	2.4	33
102	Alterations in mRNA expression of acetylcholinesterase in brain and muscle of common carp exposed to atrazine and chlorpyrifos. <i>Ecotoxicology and Environmental Safety</i> , 2010, 73, 1666-1670.	6.0	32
103	Cadmium supplement triggers endoplasmic reticulum stress response and cytotoxicity in primary chicken hepatocytes. <i>Ecotoxicology and Environmental Safety</i> , 2014, 106, 109-114.	6.0	31
104	Atrazine and chlorpyrifos exposure induces liver autophagic response in common carp. <i>Ecotoxicology and Environmental Safety</i> , 2015, 113, 52-58.	6.0	31
105	H ₂ S exposure induces cell death in the broiler thymus via the ROS-initiated JNK/MST1/FOXO1 pathway. <i>Ecotoxicology and Environmental Safety</i> , 2021, 222, 112488.	6.0	31
106	Selenoprotein W gene expression in the gastrointestinal tract of chicken is affected by dietary selenium. <i>BioMetals</i> , 2011, 24, 291-299.	4.1	30
107	Assessment of pesticide residues and gene expression in common carp exposed to atrazine and chlorpyrifos: Health risk assessments. <i>Ecotoxicology and Environmental Safety</i> , 2015, 113, 491-498.	6.0	30
108	Meta-analysis of the correlation between selenium and incidence of hepatocellular carcinoma. <i>Oncotarget</i> , 2016, 7, 77110-77116.	1.8	30

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109	Selenoprotein S silencing triggers mouse hepatoma cells apoptosis and necrosis involving in intracellular calcium imbalance and ROS-mPTP-ATP. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 2113-2123.	2.4	30
110	The effect of Se-deficient diet on gene expression of inflammatory cytokines in chicken brain. <i>BioMetals</i> , 2014, 27, 33-43.	4.1	29
111	Ameliorative Effect of Selenomethionine on Cadmium-Induced Hepatocyte Apoptosis via Regulating PI3K/AKT Pathway in Chickens. <i>Biological Trace Element Research</i> , 2020, 195, 559-568.	3.5	29
112	Selenium Deficiency Induces Inflammation via the iNOS/NF- κ B Pathway in the Brain of Pigs. <i>Biological Trace Element Research</i> , 2020, 196, 103-109.	3.5	29
113	Cadmium induces endoplasmic reticulum stress-mediated apoptosis in pig pancreas via the increase of Th1 cells. <i>Toxicology</i> , 2021, 457, 152790.	4.2	29
114	Impact of exudative diathesis induced by selenium deficiency on LncRNAs and their roles in the oxidative reduction process in broiler chick veins. <i>Oncotarget</i> , 2017, 8, 20695-20705.	1.8	29
115	Eucalyptol relieves imidacloprid-induced autophagy through the miR-451/Cab39/AMPK axis in <i>Ctenopharyngodon idellus</i> kidney cells. <i>Aquatic Toxicology</i> , 2022, 249, 106204.	4.0	29
116	Effects of atrazine and chlorpyrifos on DNA methylation in the liver, kidney and gill of the common carp (<i>Cyprinus carpio</i> L.). <i>Ecotoxicology and Environmental Safety</i> , 2014, 108, 142-151.	6.0	28
117	Oxidative stress induced by Se-deficient high-energy diet implicates neutrophil dysfunction via Nrf2 pathway suppression in swine. <i>Oncotarget</i> , 2017, 8, 13428-13439.	1.8	28
118	Molecular cloning, characterization and mRNA expression analysis of a novel selenoprotein: avian selenoprotein W from chicken. <i>Molecular Biology Reports</i> , 2011, 38, 4015-4022.	2.3	27
119	Avermectin induced inflammation damage in king pigeon brain. <i>Chemosphere</i> , 2013, 93, 2528-2534.	8.2	27
120	Effects of atrazine and chlorpyrifos on the production of nitric oxide and expression of inducible nitric oxide synthase in the brain of common carp (<i>Cyprinus carpio</i> L.). <i>Ecotoxicology and Environmental Safety</i> , 2013, 93, 7-12.	6.0	27
121	Effects on Liver Hydrogen Peroxide Metabolism Induced by Dietary Selenium Deficiency or Excess in Chickens. <i>Biological Trace Element Research</i> , 2014, 159, 174-182.	3.5	26
122	Cooperative application of transcriptomics and ceRNA hypothesis: LncRNA-107052630/miR-205a/GOS2 crosstalk is involved in ammonia-induced intestinal apoptotic injury in chicken. <i>Journal of Hazardous Materials</i> , 2020, 396, 122605.	12.4	26
123	A new discovery of polystyrene microplastics toxicity: The injury difference on bladder epithelium of mice is correlated with the size of exposed particles. <i>Science of the Total Environment</i> , 2022, 821, 153413.	8.0	26
124	Oxidative stress, inflammation, and glycometabolism disorder-induced erythrocyte hemolysis in selenium-deficient exudative diathesis broilers. <i>Journal of Cellular Physiology</i> , 2019, 234, 16328-16337.	4.1	25
125	Selenium Prevents Lead-Induced Necroptosis by Restoring Antioxidant Functions and Blocking MAPK/NF- κ B Pathway in Chicken Lymphocytes. <i>Biological Trace Element Research</i> , 2020, 198, 644-653.	3.5	25
126	Cadmium exposure induces TNF- α -mediated necroptosis via FPR2/TGF- β 2/NF- κ B pathway in swine myocardium. <i>Toxicology</i> , 2021, 453, 152733.	4.2	25

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127	The role of selenoprotein W in inflammatory injury in chicken immune tissues and cultured splenic lymphocyte. <i>BioMetals</i> , 2015, 28, 75-87.	4.1	24
128	Effect of selenium antagonist lead-induced damage on Th1/Th2 imbalance in the peripheral blood lymphocytes of chickens. <i>Ecotoxicology and Environmental Safety</i> , 2019, 175, 74-82.	6.0	24
129	The Antagonistic Effect of Selenium on Lead-Induced Immune Dysfunction via Recovery of Cytokine and Heat Shock Protein Expression in Chicken Neutrophils. <i>Biological Trace Element Research</i> , 2018, 185, 162-169.	3.5	23
130	miR-200a-5p augments cardiomyocyte hypertrophy induced by glucose metabolism disorder via the regulation of selenoproteins. <i>Journal of Cellular Physiology</i> , 2019, 234, 4095-4103.	4.1	23
131	Selenomethionine relieves inflammation in the chicken trachea caused by LPS through inhibiting the NF- κ B pathway. <i>Biological Trace Element Research</i> , 2020, 194, 525-535.	3.5	23
132	SeW regulates inflammation-related cytokines in response to H ₂ O ₂ in Se-deficient chicken liver. <i>RSC Advances</i> , 2015, 5, 37896-37905.	3.6	22
133	Selenoprotein W was Correlated with the Protective Effect of Selenium on Chicken Myocardial Cells from Oxidative Damage. <i>Biological Trace Element Research</i> , 2016, 171, 419-426.	3.5	22
134	The aggravating effect of selenium deficiency on T-2 toxin-induced damage on primary cardiomyocyte results from a reduction of protective autophagy. <i>Chemico-Biological Interactions</i> , 2019, 300, 27-34.	4.0	22
135	Priority in Selenium Homeostasis Involves Regulation of SepSecS Transcription in the Chicken Brain. <i>PLoS ONE</i> , 2012, 7, e35761.	2.5	21
136	Dietary selenium regulation of transcript abundance of selenoprotein N and selenoprotein W in chicken muscle tissues. <i>BioMetals</i> , 2012, 25, 297-307.	4.1	21
137	Manganese-Induced Effects on Testicular Trace Element Levels and Crucial Hormonal Parameters of Hyline Cocks. <i>Biological Trace Element Research</i> , 2013, 151, 217-224.	3.5	21
138	Review of Toxicology of Atrazine and Chlorpyrifos on Fish. <i>The Journal of Northeast Agricultural University</i> , 2011, 18, 88-92.	0.1	20
139	Effects of Selenoprotein W gene expression by selenium involves regulation of mRNA stability in chicken embryos neurons. <i>BioMetals</i> , 2012, 25, 459-468.	4.1	20
140	Effect of atrazine and chlorpyrifos exposure on heat shock protein response in the brain of common carp (<i>Cyprinus carpio</i> L.). <i>Pesticide Biochemistry and Physiology</i> , 2013, 107, 277-283.	3.6	20
141	Selenium Deficiency Influences the Gene Expressions of Heat Shock Proteins and Nitric Oxide Levels in Neutrophils of Broilers. <i>Biological Trace Element Research</i> , 2014, 161, 334-340.	3.5	20
142	Subacute cadmium exposure promotes M1 macrophage polarization through oxidative stress-evoked inflammatory response and induces porcine adrenal fibrosis. <i>Toxicology</i> , 2021, 461, 152899.	4.2	20
143	Antioxidative role of selenoprotein W in oxidant-induced chicken splenic lymphocyte death. <i>BioMetals</i> , 2014, 27, 277-291.	4.1	19
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147	Effects of Chicken Selenoprotein W on H ₂ O ₂ -Induced Apoptosis in CHO-K1 Cells. <i>Biological Trace Element Research</i> , 2012, 147, 395-402.	3.5	18
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153	Bisphenol A aggravates renal apoptosis and necroptosis in selenium-deficient chickens via oxidative stress and PI3K/AKT pathway. <i>Journal of Cellular Physiology</i> , 2022, 237, 3292-3304.	4.1	17
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155	Cadmium exposure induces mitochondrial pathway apoptosis in swine myocardium through xenobiotic receptors-mediated CYP450s activation. <i>Journal of Inorganic Biochemistry</i> , 2021, 217, 111361.	3.5	16
156	Selenomethionine alleviates LPS-induced JNK/NLRP3 inflammasome-dependent necroptosis by modulating miR-15a and oxidative stress in chicken lungs. <i>Metallomics</i> , 2021, 13, .	2.4	16
157	Downregulated long noncoding RNA ALDBGALG0000005049 induces inflammation in chicken muscle suffered from selenium deficiency by regulating stearyl-CoA desaturase. <i>Oncotarget</i> , 2017, 8, 52761-52774.	1.8	16
158	Possible Correlation between Selenoprotein W and Myogenic Regulatory Factors in Chicken Embryonic Myoblasts. <i>Biological Trace Element Research</i> , 2012, 150, 166-172.	3.5	15
159	Effects of Dietary Selenium Deficiency or Excess on Gene Expression of Selenoprotein N in Chicken Muscle Tissues. <i>Biological Trace Element Research</i> , 2014, 157, 234-241.	3.5	15
160	Antagonistic effects of selenium against necroptosis injury via adiponectin-necrotic pathway induced by cadmium in heart of chicken. <i>RSC Advances</i> , 2017, 7, 44438-44446.	3.6	15
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164	MAPK/iNOS pathway is involved in swine kidney necrosis caused by cadmium exposure. <i>Environmental Pollution</i> , 2021, 274, 116497.	7.5	15
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166	Autophagy is upregulated in brain tissues of pigeons exposed to avermectin. <i>Ecotoxicology and Environmental Safety</i> , 2015, 113, 159-168.	6.0	14
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169	Polysaccharide of <i>atractylodes macrocephala koidz</i> activated T lymphocytes to alleviate cyclophosphamide-induced immunosuppression of geese through novel_mir2/CD28/AP-1 signal pathway. <i>Poultry Science</i> , 2021, 100, 101129.	3.4	14
170	Gene Silencing of Selenoprotein K Induces Inflammatory Response and Activates Heat Shock Proteins Expression in Chicken Myoblasts. <i>Biological Trace Element Research</i> , 2017, 180, 135-145.	3.5	13
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175	Lipopolysaccharide-induced splenic ferroptosis in goslings was alleviated by polysaccharide of <i>atractylodes macrocephala koidz</i> associated with proinflammatory factors. <i>Poultry Science</i> , 2022, 101, 101725.	3.4	12
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178	Disbalance of calcium regulation-related genes in broiler hearts induced by selenium deficiency. <i>Avian Pathology</i> , 2017, 46, 265-271.	2.0	10
179	Telomerase-Mediated Apoptosis of Chicken Lymphoblastoid Tumor Cell Line by Lanthanum Chloride. <i>Biological Trace Element Research</i> , 2011, 144, 657-667.	3.5	9
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182	CircRNA-IGLL1/miR-15a/RNF43 axis mediates ammonia-induced autophagy in broilers jejunum via Wnt/ β^2 -catenin pathway. <i>Environmental Pollution</i> , 2022, 292, 118332.	7.5	9
183	BPA exposure aggravates necroptosis of myocardial tissue in selenium deficient broilers through NO-dependent endoplasmic reticulum stress. <i>Toxicology</i> , 2022, 472, 153190.	4.2	9
184	Gene expression of selenoproteins can be regulated by selenoprotein K silencing in chicken myoblasts. <i>BioMetals</i> , 2016, 29, 679-689.	4.1	8
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188	Selenium deficiency-induced alterations in ion profiles in chicken muscle. <i>PLoS ONE</i> , 2017, 12, e0184186.	2.5	8
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194	Behavior and physiology of two different sow breeds in a farrowing environment during late 35-day lactation. <i>PLoS ONE</i> , 2018, 13, e0197152.	2.5	4
195	High fat induces activation of the tryptophan-ERK-CREB pathway and promotes bone absorption in cage layers. <i>Poultry Science</i> , 2021, 100, 101149.	3.4	4
196	Monoclonal Antibodies Against Avian Selenoprotein W. <i>Hybridoma</i> , 2011, 30, 563-566.	0.4	3
197	Selenophosphate synthetase 1 (SPS1) is required for the development and selenium homeostasis of central nervous system in chicken (<i>Gallus gallus</i>). <i>Oncotarget</i> , 2017, 8, 35919-35932.	1.8	3
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200	Expression and Identification of Porcine β -Defensin 1 in <i>Escherichia coli</i> and Up-Regulation by <i>Streptococcus</i> Infection in Porcine Tongue In Vivo. <i>International Journal of Peptide Research and Therapeutics</i> , 2012, 18, 145-152.	1.9	2
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