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Metallothionein redox cycle and function

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170	Literature-based compound profiling: application to toxicogenomics. 2007 , 8, 1521-34		20
169	The zinc/thiolate redox biochemistry of metallothionein and the control of zinc ion fluctuations in cell signaling. 2007 , 463, 188-200		185
168	Zinc, antioxidant systems and metallothionein in metal mediated-apoptosis: biochemical and cytochemical aspects. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2007 , 146, 443-59	3.2	130
167	The resistance of metallothionein to proteolytic digestion: an LC-MS/MS analysis. 2007 , 28, 2942-52		4
166	Use of stable isotopically enriched proteins and directly coupled high-performance liquid chromatography inductively coupled plasma mass spectrometry for quantitatively monitoring the transfer of metals between proteins. 2007 , 369, 87-104		11
165	Changes in copper and zinc status and response to dietary copper deficiency in metallothionein-overexpressing transgenic mouse heart. 2007 , 18, 714-8		7
164	Regulation and role of the presynaptic and myocardial Na ⁺ /H ⁺ exchanger NHE1: effects on the sympathetic nervous system in heart failure. 2007 , 25, 123-31		27
163	Antioxidant defense against anthracycline cardiotoxicity by metallothionein. 2007 , 7, 95-100		27
162	pH sensing in living cells using fluorescent microspheres. 2008 , 18, 313-7		73
161	Zinc in gastrointestinal and liver disease. 2008 , 252, 1257-1269		51
160	Cadmium: toxic effects on the reproductive system and the embryo. 2008 , 25, 304-15		420
159	Lipoic acid prevents high-fat diet-induced dyslipidemia and oxidative stress: a microarray analysis. 2008 , 24, 582-8		86
158	Zinc deficiency induces vascular pro-inflammatory parameters associated with NF-kappaB and PPAR signaling. 2008 , 27, 577-87		62
157	+647 A/C and +1245 MT1A polymorphisms in the susceptibility of diabetes mellitus and cardiovascular complications. 2008 , 94, 98-104		67
156	Noncooperative cadmium(II) binding to human metallothionein 1a. 2008 , 372, 840-4		38
155	Metal Homeostasis. 2008 , 1		0
154	Herbogenomics: from traditional Chinese medicine to novel therapeutics. <i>Experimental Biology and Medicine</i> , 2008 , 233, 1059-65	3.7	37

153	Investigation of transport mechanisms and regulation of intracellular Zn ²⁺ in pancreatic alpha-cells. 2008 , 283, 10184-97	87
152	Cortisol stimulates the zinc signaling pathway and expression of metallothioneins and ZnT1 in rainbow trout gill epithelial cells. 2008 , 294, R623-9	10
151	Elesclomol induces cancer cell apoptosis through oxidative stress. 2008 , 7, 2319-27	156
150	The Dual Nature of Metallothioneins in the Metabolism of Heavy Metals and Reactive Oxygen Species in Aquatic Organisms: Implications of Use as a Biomarker of Heavy-Metal Effects in Field Investigations. 2008 , 1, BCI.S1007	10
149	Caenorhabditis elegans metallothioneins protect against toxicity induced by depleted uranium. 2009 , 111, 345-54	36
148	Metallothionein link to bicuspid aortic valve-associated ascending aortic dilatation. 2009 , 119, 2423-5	1
147	Cadmium teratogenesis in the chick: period of vulnerability using the early chick culture method, and prevention by divalent cations. 2009 , 28, 335-41	18
146	Impacts of pollution in feral Mya arenaria populations: the effects of clam bed distance from the shore. 2009 , 407, 5844-54	10
145	Lipoic acid attenuates high fat diet-induced chronic oxidative stress and immunosuppression in mice jejunum: a microarray analysis. 2009 , 260, 44-50	26
144	The metallothionein/thionein system: an oxidoreductive metabolic zinc link. 2009 , 10, 55-62	172
143	Genomic and proteomic profiling of oxidative stress response in human diploid fibroblasts. 2009 , 10, 125-51	12
142	Expression of the PsMTA1 gene in white poplar engineered with the MAT system is associated with heavy metal tolerance and protection against 8-hydroxy-2'-deoxyguanosine mediated-DNA damage. 2009 , 28, 1179-92	72
141	Drosophila proteins interacting with metallothioneins: a metal-dependent recognition. 2009 , 9, 2568-77	2
140	Metallothionein expression in HaCaT and C6 cell lines exposed to cadmium. <i>Journal of Trace Elements in Medicine and Biology</i> , 2009 , 23, 314-23	4.1 12
139	Metallothionein-I+II in neuroprotection. 2009 , 35, 315-25	59
138	Effects of glutathione on amyloid fibrillation of hen egg-white lysozyme. 2009 , 45, 321-9	33
137	Stable overexpression of human metallothionein-IIA in a heart-derived cell line confers oxidative protection. 2009 , 188, 70-6	24
136	Role of metallothionein in cadmium traffic and toxicity in kidneys and other mammalian organs. 2010 , 23, 897-926	185

135	Different coordination modes of the dimethyldisulfide ligand in trimethylplatinum(IV) complexes. 2010 , 35, 19-25		1
134	Enhanced metallothionein gene expression induced by mitochondrial oxidative stress is reduced in phospholipid hydroperoxide glutathione peroxidase-overexpressed cells. 2010 , 626, 166-70		11
133	Loss of metallothionein predisposes mice to diethylnitrosamine-induced hepatocarcinogenesis by activating NF-kappaB target genes. 2010 , 70, 10265-76		41
132	Network analysis of hepatic genes responded to high-fat diet in C57BL/6J mice: nutrigenomics data mining from recent research findings. 2010 , 13, 743-56		18
131	Acute exposure to ozone exacerbates acetaminophen-induced liver injury in mice. 2010 , 115, 267-85		16
130	Chloroform-induced oxidative stress in rat liver: Implication of metallothionein. <i>Toxicology and Industrial Health</i> , 2010 , 26, 487-96	1.8	16
129	Role of Ca(2+)/calmodulin-dependent protein kinase II in the regulation of the cardiac L-type Ca(2+) current during endothelin-1 stimulation. 2010 , 298, H1902-7		25
128	Endothelial metallothionein expression and intracellular free zinc levels are regulated by shear stress. <i>American Journal of Physiology - Cell Physiology</i> , 2010 , 299, C1461-7	5.4	9
127	Effects of fructosamine-3-kinase deficiency on function and survival of mouse pancreatic islets after prolonged culture in high glucose or ribose concentrations. 2010 , 298, E586-96		18
126	Supermetalation of the beta domain of human metallothionein 1a. <i>Biochemistry</i> , 2010 , 49, 3593-601	3.2	15
125	C. elegans metallothioneins: response to and defence against ROS toxicity. 2011 , 7, 2397-406		57
124	Metallothionein-inspired prototype of molecular pincer. 2011 , 47, 8067-9		1
123	Metabolism of selenite in human lung cancer cells: X-ray absorption and fluorescence studies. 2011 , 133, 18272-9		64
122	Arachidonic acid pathway members PLA2G7, HPGD, EPHX2, and CYP4F8 identified as putative novel therapeutic targets in prostate cancer. 2011 , 178, 525-36		80
121	Berberamine increases myocardial contractility via a Ca ²⁺ -independent mechanism. 2011 , 58, 40-8		7
120	The toxicity redox mechanisms of cadmium alone or together with copper and zinc homeostasis alteration: its redox biomarkers. <i>Journal of Trace Elements in Medicine and Biology</i> , 2011 , 25, 171-80	4.1	59
119	DNA damage in thymocytes of mice after exposure of the whole body to combined action of cadmium ions and γ radiation. 2011 , 56, 936-940		
118	Coenzyme Q10 counteracts testicular injury induced by sodium arsenite in rats. 2011 , 655, 91-8		33

117	The "magic numbers" of metallothionein. <i>Metallomics</i> , 2011 , 3, 444-63	4.5	143
116	Electromechanical effects of the direct renin inhibitor (aliskiren) on the pulmonary vein and atrium. 2011 , 106, 979-93		21
115	Immediate early inflammatory gene responses of human umbilical vein endothelial cells to hemorrhagic venom. 2011 , 60, 213-7		6
114	Fibril Formation of Bovine Lactalbumin Is Inhibited by Glutathione. 2011 , 6, 138-151		9
113	Polymorphisms in oxidative stress-related genes and postmenopausal breast cancer risk. 2011 , 129, 1467-76		29
112	Are apparent negative effects of feeding GM MON810 maize to Atlantic salmon, <i>Salmo salar</i> , caused by confounding factors?. 2011 , 106, 42-56		19
111	Mammary gland morphological and gene expression changes underlying pregnancy protection of breast cancer tumorigenesis. 2012 , 44, 76-88		13
110	Effects of xenobiotics on total antioxidant capacity. 2012 , 5, 117-22		20
109	Synthesis and study of anti-bacterial activity of complexes of diallyldisulphide from garlic. 2012 , 6, 180		1
108	Zinc and cancer: implications for LIV-1 in breast cancer. <i>Nutrients</i> , 2012 , 4, 648-75	6.7	73
107	Mammalian Metallothioneins. 2012 , 93-148		
106	Zinc supplementation prevents cardiomyocyte apoptosis and congenital heart defects in embryos of diabetic mice. <i>Free Radical Biology and Medicine</i> , 2012 , 53, 1595-606	7.8	39
105	Zinc and the modulation of redox homeostasis. <i>Free Radical Biology and Medicine</i> , 2012 , 53, 1748-59	7.8	183
104	Zn tolerance of novel <i>Colocasia esculenta</i> metallothionein and its domains in <i>Escherichia coli</i> and tobacco. 2012 , 125, 793-804		6
103	Noncooperative metalation of metallothionein 1a and its isolated domains with zinc. <i>Biochemistry</i> , 2012 , 51, 6690-700	3.2	35
102	Expression of a metallothionein A1 gene of <i>Pisum sativum</i> in white poplar enhances tolerance and accumulation of zinc and copper. 2012 , 183, 50-6		61
101	Telmisartan treatment attenuates arsenic-induced hepatotoxicity in mice. 2012 , 300, 149-57		32
100	Spatial and seasonal variability of some biomarkers in <i>Salaria basilisca</i> (Pisces: Blennidae): Implication for biomonitoring in Tunisian coasts. 2012 , 14, 222-228		20

99	Effects of genotype and dietary fish oil replacement with vegetable oil on the intestinal transcriptome and proteome of Atlantic salmon (<i>Salmo salar</i>). 2012 , 13, 448		75
98	Effects of chronic cadmium poisoning on Zn, Cu, Fe, Ca, and metallothionein in liver and kidney of rats. <i>Biological Trace Element Research</i> , 2012 , 149, 57-63	4.5	28
97	Diurnal variation of hepatic antioxidant gene expression in mice. <i>PLoS ONE</i> , 2012 , 7, e44237	3.7	99
96	Effects of a copper-deficient diet on the biochemistry, neural morphology and behavior of aged mice. <i>PLoS ONE</i> , 2012 , 7, e47063	3.7	9
95	Metallothionein: An Overview on its Metal Homeostatic Regulation in Mammals. 2012 , 30, 1007-1012		39
94	Metal-Ligand Homeostasis in Epidermic Cells of Chernobyl Accident Liquidators. 2012 , 01,		0
93	Environmental Pollution and Oxidative Stress in Fish. 2012 ,		4
92	Protein carbonyl, $^3\beta$ and $^{17}\beta$ hydroxysteroid dehydrogenases in testes and serum FSH, LH, and testosterone levels in zinc deficient Wistar rats. 2012 , 38, 234-9		4
91	Oxidative stress induced by cadmium in the C6 cell line: role of copper and zinc. <i>Biological Trace Element Research</i> , 2012 , 146, 410-9	4.5	29
90	Effect of zinc and nitric oxide on monocyte adhesion to endothelial cells under shear stress. 2012 , 40, 697-706		4
89	Oxidation and turnover of renal metallothioneins after an injection of ferric nitrilotriacetate. 2012 , 195, 61-7		1
88	State-of-the-art of metallothioneins at the beginning of the 21st century. 2012 , 256, 46-62		122
87	The protective role of zinc against acute toxicity of depleted uranium in rats. 2012 , 111, 402-10		29
86	Lipoic acid attenuates high-fat-diet-induced oxidative stress and B-cell-related immune depression. 2012 , 28, 275-80		29
85	Oxidation reactivity of zinc-cysteine clusters in metallothionein. 2013 , 18, 333-42		13
84	In situ exposure history modulates the molecular responses to carbamate fungicide Tattoo in bivalve mollusk. <i>Ecotoxicology</i> , 2013 , 22, 433-45	2.9	15
83	Single-domain metallothioneins: evidence of the onset of clustered metal binding domains in Zn-rhMT 1a. <i>Biochemistry</i> , 2013 , 52, 2461-71	3.2	19
82	The role of metallothionein in oxidative stress. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 6044-66	4.6	476

81	Bone marrow cell transcripts from Fanconi anaemia patients reveal in vivo alterations in mitochondrial, redox and DNA repair pathways. 2013 , 91, 141-51		15
80	Metallothionein gene transfection reverses the phenotype of activated human hepatic stellate cells. 2013 , 346, 48-53		4
79	Dietary supplementation of blueberry juice enhances hepatic expression of metallothionein and attenuates liver fibrosis in rats. <i>PLoS ONE</i> , 2013 , 8, e58659	3.7	28
78	Metallothionein - immunohistochemical cancer biomarker: a meta-analysis. <i>PLoS ONE</i> , 2014 , 9, e85346	3.7	49
77	Metallothionein-1 and nitric oxide expression are inversely correlated in a murine model of Chagas disease. 2014 , 109, 174-81		3
76	Zinc protects human kidney cells from depleted uranium-induced apoptosis. 2014 , 114, 271-80		24
75	Challenging conventional wisdom: single domain metallothioneins. <i>Metallomics</i> , 2014 , 6, 702-28	4.5	30
74	The role of metallothionein interactions with other proteins. 2014 , 14, 1343-56		50
73	Cellular and molecular neuropathology of the cuprizone mouse model: clinical relevance for multiple sclerosis. 2014 , 47, 485-505		236
72	Changes in copper concentrations affect the protein levels but not the mRNA levels of copper chaperones in human umbilical vein endothelial cells. <i>Metallomics</i> , 2014 , 6, 554-9	4.5	5
71	Metallothioneins (MTs) in the human eye: a perspective article on the zinc-MT redox cycle. <i>Metallomics</i> , 2014 , 6, 201-8	4.5	30
70	A new near-infrared neutral pH fluorescent probe for monitoring minor pH changes and its application in imaging of HepG2 cells. <i>Applied Biochemistry and Biotechnology</i> , 2014 , 172, 1036-44	3.2	15
69	The zinc balance: competitive zinc metalation of carbonic anhydrase and metallothionein 1A. <i>Biochemistry</i> , 2014 , 53, 6276-85	3.2	43
68	The Features of Copper Metabolism in the Rat Liver during Development. <i>PLoS ONE</i> , 2015 , 10, e0140797	3.7	24
67	Hepatic metallothioneins in molecular responses to cobalt, zinc, and their nanoscale polymeric composites in frog <i>Rana ridibunda</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2015 , 172-173, 45-56	3.2	6
66	Putting the pieces into place: Properties of intact zinc metallothionein 1A determined from interaction of its isolated domains with carbonic anhydrase. <i>Biochemical Journal</i> , 2015 , 471, 347-56	3.8	14
65	Domain Selection in Metallothionein 1A: Affinity-Controlled Mechanisms of Zinc Binding and Cadmium Exchange. <i>Biochemistry</i> , 2015 , 54, 5006-16	3.2	22
64	Metallothionein deficiency aggravates depleted uranium-induced nephrotoxicity. <i>Toxicology and Applied Pharmacology</i> , 2015 , 287, 306-15	4.6	14

63	The effects of zinc nanooxide on cellular stress responses of the freshwater mussels <i>Unio tumidus</i> are modulated by elevated temperature and organic pollutants. <i>Aquatic Toxicology</i> , 2015 , 162, 82-93	5.1	44
62	Kinetics of Zinc and Cadmium Exchanges between Metallothionein and Carbonic Anhydrase. <i>Biochemistry</i> , 2015 , 54, 6284-93	3.2	17
61	tert-Butylhydroquinone mobilizes intracellular-bound zinc to stabilize Nrf2 through inhibiting phosphatase activity. <i>American Journal of Physiology - Cell Physiology</i> , 2015 , 309, C148-58	5.4	6
60	Metallothionein Protein Expression of <i>Crassostrea hongkongensis</i> in Response to Cadmium Stress. <i>Journal of Shellfish Research</i> , 2015 , 34, 311-318	1	7
59	Redox Reactivity of Cerium Oxide Nanoparticles Induces the Formation of Disulfide Bridges in Thiol-Containing Biomolecules. <i>Chemical Research in Toxicology</i> , 2015 , 28, 2304-12	4	19
58	Levels of metals in the blood and specific porphyrins in the urine in children with autism spectrum disorders. <i>Biological Trace Element Research</i> , 2015 , 163, 2-10	4.5	47
57	Interaction between cadmium (Cd), selenium (Se) and oxidative stress biomarkers in healthy mothers and its impact on birth anthropometric measures. <i>International Journal of Hygiene and Environmental Health</i> , 2015 , 218, 66-90	6.9	44
56	Copper and hypoxia modulate transcriptional and mitochondrial functional-biochemical responses in warm acclimated rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Environmental Pollution</i> , 2016 , 211, 291-306	9.3	16
55	Thermodynamics of Pb(II) and Zn(II) binding to MT-3, a neurologically important metallothionein. <i>Metallomics</i> , 2016 , 8, 605-17	4.5	31
54	Protective Effects of Zinc Against Acute Arsenic Toxicity by Regulating Antioxidant Defense System and Cumulative Metallothionein Expression. <i>Biological Trace Element Research</i> , 2016 , 169, 218-29	4.5	36
53	Detection and Manipulation of the Stress Response Protein Metallothionein. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et al]</i> , 2017 , 71, 17.19.1-17.19.28	1	11
52	Selective cysteine modification of metal-free human metallothionein 1a and its isolated domain fragments: Solution structural properties revealed via ESI-MS. <i>Protein Science</i> , 2017 , 26, 960-971	6.3	14
51	Hair Zinc and Severity of Symptoms Are Increased in Children with Attention Deficit and Hyperactivity Disorder: a Hair Multi-Element Profile Study. <i>Biological Trace Element Research</i> , 2017 , 179, 185-194	4.5	16
50	Endocrine and cellular stress effects of zinc oxide nanoparticles and nifedipine in marsh frogs <i>Pelophylax ridibundus</i> . <i>Aquatic Toxicology</i> , 2017 , 185, 171-182	5.1	17
49	Effects of acrylamide graded doses on metallothioneins I and II induction and DNA fragmentation: Biochemical and histomorphological changes in the liver of adult rats. <i>Toxicology and Industrial Health</i> , 2017 , 33, 611-622	1.8	19
48	Selenium protein identification and profiling by mass spectrometry: A tool to assess progression of cardiomyopathy in a whale model. <i>Journal of Trace Elements in Medicine and Biology</i> , 2017 , 44, 40-49	4.1	6
47	Quantitative distribution of Zn, Fe and Cu in the human lens and study of the Zn/Metallothionein redox system in cultured lens epithelial cells by elemental MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2017 , 32, 1746-1756	3.7	10
46	Metal(loid)s Accumulation and Interactions in <i>Tetrahymena thermophila</i> . <i>Geomicrobiology Journal</i> , 2017 , 34, 618-627	2.5	1

45	Orchestration of dynamic copper navigation - new and missing pieces. <i>Metallomics</i> , 2017 , 9, 1204-1229	4.5	33
44	Responses of Plant Proteins to Heavy Metal Stress-A Review. <i>Frontiers in Plant Science</i> , 2017 , 8, 1492	6.2	194
43	Metallothionein in Brain Disorders. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 5828056	6.7	50
42	Lead-interacting proteins and their implication in lead poisoning. <i>Critical Reviews in Toxicology</i> , 2018 , 48, 375-386	5.7	45
41	Endogenous non-enzymatic antioxidants in the human body. <i>Advances in Medical Sciences</i> , 2018 , 63, 68-788		193
40	Effects of co-exposure to imidacloprid and gibberellic acid on redox status, kidney variables and histopathology in adult rats. <i>Archives of Physiology and Biochemistry</i> , 2018 , 124, 175-184	2.2	12
39	Promises and Pitfalls of Metal Imaging in Biology. <i>Cell Chemical Biology</i> , 2018 , 25, 7-18	8.2	24
38	Detoxification and cellular stress responses of unionid mussels <i>Unio tumidus</i> from two cooling ponds to combined nano-ZnO and temperature stress. <i>Chemosphere</i> , 2018 , 193, 1127-1142	8.4	9
37	Analysis of the soybean metallothionein system under free radical stress: protein modification connected to lipid membrane damage. <i>Metallomics</i> , 2018 , 10, 1792-1804	4.5	4
36	The Zinc-Metallothionein Redox System Reduces Oxidative Stress in Retinal Pigment Epithelial Cells. <i>Nutrients</i> , 2018 , 10,	6.7	22
35	Copper Metabolism of Newborns Is Adapted to Milk Ceruloplasmin as a Nutritive Source of Copper: Overview of the Current Data. <i>Nutrients</i> , 2018 , 10,	6.7	9
34	Copper signalling: causes and consequences. <i>Cell Communication and Signaling</i> , 2018 , 16, 71	7.5	57
33	Suppression of the Peripheral Immune System Limits the Central Immune Response Following Cuprizone-Feeding: Relevance to Modelling Multiple Sclerosis. <i>Cells</i> , 2019 , 8,	7.9	16
32	Redox status and fatty acid composition of <i>Mactra corallina</i> digestive gland following exposure to acrylamide. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 22197-22208	5.1	9
31	CRISP-R/Cas9 Mediated Deletion of Copper Transport Genes CTR1 and DMT1 in NSCLC Cell Line H1299. Biological and Pharmacological Consequences. <i>Cells</i> , 2019 , 8,	7.9	4
30	Chronic exposure to xenobiotic pollution leads to significantly higher total glutathione and lower reduced to oxidized glutathione ratio in red blood cells of children with autism. <i>Free Radical Biology and Medicine</i> , 2019 , 134, 666-677	7.8	10
29	Identification of a metallothionein gene in honey bee <i>Apis mellifera</i> and its expression profile in response to Cd, Cu and Pb exposure. <i>Molecular Ecology</i> , 2019 , 28, 731-745	5.7	12
28	Ag Ion Binding to Human Metallothionein-2A Is Cooperative and Domain Specific. <i>Analytical Chemistry</i> , 2020 , 92, 8923-8932	7.8	9

27	Differential Effects of the Hormonal and Copper Intrauterine Device on the Endometrial Transcriptome. <i>Scientific Reports</i> , 2020 , 10, 6888	4.9	4
26	Oxidative stress mitigation by antioxidants - An overview on their chemistry and influences on health status. <i>European Journal of Medicinal Chemistry</i> , 2021 , 209, 112891	6.8	83
25	Anti-aging effects of Korean Red Ginseng (KRG) in differentiated embryo chondrocyte (DEC) knockout mice. <i>Journal of Ginseng Research</i> , 2021 , 45, 183-190	5.8	2
24	Antioxidant Defenses in the Human Eye: A Focus on Metallothioneins. <i>Antioxidants</i> , 2021 , 10,	7.1	15
23	Modulatory effect of fructooligosaccharide against triphenyltin-induced oxidative stress and immune suppression in goldfish (<i>Carassius auratus</i>). <i>Ecotoxicology and Environmental Safety</i> , 2021 , 212, 111966	7	5
22	The Metallome as a Link Between the "Omes" in Autism Spectrum Disorders. <i>Frontiers in Molecular Neuroscience</i> , 2021 , 14, 695873	6.1	4
21	Glutathione and Related Molecules in Parkinsonism. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	5
20	Identification of a metallothionein gene and the role of biological thiols in stress induced by short-term Cd exposure in <i>Ostrinia nubilalis</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2021 , 250, 109148	3.2	0
19	Accumulations of artificial radionuclides ¹³⁷ Cs and ²³⁹⁺²⁴⁰ Pu in anchovy from the Korean seas. <i>Radioprotection</i> , 2021 ,	1.1	3
18	Responses and Tolerance of Cereal Crops to Metal and Metalloid Toxicity. 2020 , 235-264		8
17	The role of zinc deficiency in endothelial dysfunction. 22-25		1
16	Recent advances in physiological and molecular mechanisms of heavy metal accumulation in plants. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 64967-64986	5.1	4
15	Structure, Function, and Nutrition of Zinc-Containing Proteins in Foodstuffs. 2017 , 63-88		
14	Metallothioneins: Diverse Protein Family to Bind Metallic Ions.		
13	Reduced metallothionein expression induced by Zinc deficiency results in apoptosis in hepatic stellate cell line LX-2. <i>International Journal of Clinical and Experimental Medicine</i> , 2015 , 8, 20603-9		7
12	Study on metal binding capacity of the freshwater crab <i>Sinopotamon henanense</i> 's recombinant copper specific binding metallothionein expressed in <i>Escherichia coli</i> . <i>Ecotoxicology</i> , 2021 , 31, 149	2.9	1
11	Nuclear magnetic resonance spectroscopy reveals dysregulation of Monounsaturated fatty acids metabolism upon SPINK1 attenuation in colorectal cancer.. <i>NMR in Biomedicine</i> , 2022 , e4705	4.4	
10	Metal Binding and Interdomain Thermodynamics of Mammalian Metallothionein-3: Enthalpically Favoured Cu + Supplants Entropically Favoured Zn ²⁺ to form Cu + 4 Clusters Under Physiological Conditions. <i>Chemical Science</i> ,	9.4	2

9	Polymyxin Induces Significant Transcriptomic Perturbations of Cellular Signalling Networks in Human Lung Epithelial Cells.. <i>Antibiotics</i> , 2022 , 11,	4.9	
8	Genetic Variations in Metallothionein Genes and Susceptibility to Hypertensive Disorders of Pregnancy: A Case-Control Study. <i>Frontiers in Genetics</i> , 13,	4.5	○
7	Exposure to High Concentrations of Cadmium Which Delay Development of <i>Ostrinia Nubilalis</i> Hbn. Larvae Affected the Balance of Bioelements.		
6	Salinity variation modulates cellular stress response to ZnO nanoparticles in a sentinel marine bivalve, the blue mussel <i>Mytilus</i> sp.. 2023 , 183, 105834		○
5	Production of Intestinal Mucins, sIgA, and Metallothionein after Administration of Zinc and Infection of <i>Ascaridia galli</i> in Chickens: Preliminary Data. 2023 , 13, 67		○
4	Zinc-glutathione in Chinese Baijiu prevents alcohol-associated liver injury. 2023 , 9, e13722		○
3	A Potential Biomarker for Predicting Schizophrenia: Metallothionein-1. 2023 , 11, 590		○
2	Multifunctional Metallothioneins as a Target for Neuroprotection in Parkinson's Disease. 2023 , 12, 894		○
1	Redox and metal profiles in human coronary endothelial and smooth muscle cells under hyperoxia, physiological normoxia and hypoxia: Effects of NRF2 signaling on intracellular zinc. 2023 , 102712		○