

CITATION REPORT

List of articles citing

Differential oxidation of thioredoxin-1, thioredoxin-2, and glutathione by metal ions

DOI: 10.1016/j.freeradbiomed.2005.09.023

Free Radical Biology and Medicine, 2006, 40, 138-45.

Source: <https://exaly.com/paper-pdf/40750298/citation-report.pdf>

Version: 2024-04-27

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
215	Development of the GENIPOOL European flounder (<i>Platichthys flesus</i>) microarray and determination of temporal transcriptional responses to cadmium at low dose. 2006 , 40, 6479-88		77
214	Thioredoxin-1 and posttranslational modifications. 2006 , 8, 1723-8		45
213	Mitochondrial thioredoxin in regulation of oxidant-induced cell death. 2006 , 580, 6596-602		82
212	Extracellular redox state: refining the definition of oxidative stress in aging. 2006 , 9, 169-81		183
211	Disruption of mitochondrial redox circuitry in oxidative stress. 2006 , 163, 38-53		134
210	Oxidative stress as a mechanism of teratogenesis. 2006 , 78, 293-307		121
209	A study of the glutathione metaboloma peptides by energy-resolved mass spectrometry as a tool to investigate into the interference of toxic heavy metals with their metabolic processes. 2006 , 41, 1578-93		28
208	Redox regulation of human OGG1 activity in response to cellular oxidative stress. 2006 , 26, 7430-6		127
207	Neurotoxic potential of depleted uranium effects in primary cortical neuron cultures and in <i>Caenorhabditis elegans</i> . 2007 , 99, 553-65		27
206	Divergent mechanisms of paraquat, MPP+, and rotenone toxicity: oxidation of thioredoxin and caspase-3 activation. 2007 , 95, 163-71		104
205	Induction of reactive oxygen species and apoptosis in BEAS-2B cells by mercuric chloride. 2007 , 21, 789-94		60
204	Stimulation of phosphoinositide 3-kinase/Akt signaling by copper and zinc ions: mechanisms and consequences. 2007 , 463, 175-82		99
203	Mitochondrial thioredoxin-2/peroxiredoxin-3 system functions in parallel with mitochondrial GSH system in protection against oxidative stress. 2007 , 465, 119-26		113
202	Zinc, antioxidant systems and metallothionein in metal mediated-apoptosis: biochemical and cytochemical aspects. 2007 , 146, 443-59		130
201	Transcriptomic Responses of Bacterial Cells to Sublethal Metal Ion Stress. 2007 , 73-115		19
200	An approach to the hypoxic and oxidative stress responses in <i>Kluyveromyces lactis</i> by analysis of mRNA levels. 2007 , 7, 702-14		15
199	Traces of copper ions deplete glutathione in human hepatoma cell cultures with low cysteine content. 2007 , 167, 56-62		9

198	Selective protection of nuclear thioredoxin-1 and glutathione redox systems against oxidation during glucose and glutamine deficiency in human colonic epithelial cells. <i>Free Radical Biology and Medicine</i> , 2007 , 42, 363-70	7.8	58
197	Lactational exposure to inorganic mercury: evidence of neurotoxic effects. 2007 , 29, 360-7		32
196	Targeting thioredoxin reductase is a basis for cancer therapy by arsenic trioxide. 2007 , 104, 12288-93		398
195	Analysis of tissue cadmium distribution in chronic cadmium-exposed mice using in-air micro-PIXE. 2007 , 117, 115-26		15
194	Arsenite induced oxidative damage in mouse liver is associated with increased cytokeratin 18 expression. 2007 , 81, 619-26		18
193	Sulfenic acid in human serum albumin. 2007 , 32, 543-51		107
192	Hexavalent chromium causes the oxidation of thioredoxin in human bronchial epithelial cells. 2008 , 246, 222-33		49
191	Subcellular changes of essential metal shown by in-air micro-PIXE in oral cadmium-exposed mice. 2008 , 21, 83-91		16
190	Redox regulation of skeletal muscle. 2008 , 60, 497-501		41
189	Shrimp thioredoxin is a potent antioxidant protein. 2008 , 148, 94-9		34
188	Acrolein oxidizes the cytosolic and mitochondrial thioredoxins in human endothelial cells. 2008 , 243, 164-76		22
187	Oxidative stress induced by cerium oxide nanoparticles in cultured BEAS-2B cells. 2008 , 245, 90-100		436
186	Molecular mechanisms and potential clinical significance of S-glutathionylation. 2008 , 10, 445-73		245
185	Nonequilibrium thermodynamics of thiol/disulfide redox systems: a perspective on redox systems biology. <i>Free Radical Biology and Medicine</i> , 2008 , 44, 921-37	7.8	443
184	Bz-423 superoxide signals apoptosis via selective activation of JNK, Bak, and Bax. <i>Free Radical Biology and Medicine</i> , 2008 , 45, 1232-42	7.8	25
183	The thioredoxin reductase inhibitor auranofin triggers apoptosis through a Bax/Bak-dependent process that involves peroxiredoxin 3 oxidation. 2008 , 76, 1097-109		129
182	Effect of mercury(II) on Nrf2, thioredoxin reductase-1 and thioredoxin-1 in human monocytes. 2008 , 24, 765-72		28
181	Oxidative stress and apoptosis induced by titanium dioxide nanoparticles in cultured BEAS-2B cells. 2008 , 180, 222-9		425

180	Glutathione and apoptosis. 2008 , 42, 689-706	276
179	Oxidants in Biology. 2008 ,	6
178	Induction of oxidative stress in human Chang liver cells by octachlorostyrene, the persistent and bioaccumulative toxicant. 2008 , 22, 367-75	9
177	Redox compartmentalization in eukaryotic cells. 2008 , 1780, 1273-90	456
176	Thioredoxin reductase-1 knock down does not result in thioredoxin-1 oxidation. 2008 , 368, 832-6	46
175	A novel role for thioredoxin reductase in the iron metabolism of <i>S. cerevisiae</i> . 2008 , 371, 63-8	7
174	Comparative study of two thioredoxin peroxidases from disk abalone (<i>Haliotis discus discus</i>): cloning, recombinant protein purification, characterization of antioxidant activities and expression analysis. 2008 , 24, 294-307	52
173	Apoptosis signal-regulating kinase 1 in stress and immune response. 2008 , 48, 199-225	167
172	Radical-free biology of oxidative stress. 2008 , 295, C849-68	778
171	Increased mitochondrial thioredoxin 2 potentiates N-ethylmaleimide-induced cytotoxicity. 2008 , 21, 1205-10	8
170	Exercise-induced oxidative stress: cellular mechanisms and impact on muscle force production. 2008 , 88, 1243-76	1462
169	The mitochondrial superoxide/thioredoxin-2/Ask1 signaling pathway is critically involved in troglitazone-induced cell injury to human hepatocytes. 2008 , 101, 341-9	57
168	Inhibition of the human thioredoxin system. A molecular mechanism of mercury toxicity. 2008 , 283, 11913-23	363
167	Compartmentation of Redox Signaling and Control: Discrimination of Oxidative Stress in Mitochondria, Cytoplasm, Nuclei, and Endoplasmic Reticulum. 433-461	1
166	Arsenic-based antineoplastic drugs and their mechanisms of action. 2008 , 2008, 260146	53
165	Interplay of oxidants and antioxidants during exercise: implications for muscle health. 2009 , 37, 116-23	50
164	Hypothermic inhibition of apoptotic pathways for combined neurotoxicity of iron and ascorbic acid in differentiated PC12 cells: reduction of oxidative stress and maintenance of the glutathione redox state. 2009 , 1283, 1-13	20
163	Treatment of human cancer cells with selenite or tellurite in combination with auranofin enhances cell death due to redox shift. <i>Free Radical Biology and Medicine</i> , 2009 , 47, 710-21	7.8 52

162	The effects of hexavalent chromium on thioredoxin reductase and peroxiredoxins in human bronchial epithelial cells. <i>Free Radical Biology and Medicine</i> , 2009 , 47, 1477-85	7.8	51
161	Radiation-induced reductions in neurogenesis are ameliorated in mice deficient in CuZnSOD or MnSOD. <i>Free Radical Biology and Medicine</i> , 2009 , 47, 1459-67	7.8	49
160	Redox regulation of adaptive responses in skeletal muscle to contractile activity. <i>Free Radical Biology and Medicine</i> , 2009 , 47, 1267-75	7.8	58
159	Mitochondria as targets for cancer therapy. 2009 , 53, 9-28		77
158	Effects of instant coffee consumption on oxidative DNA damage, DNA repair, and redox system in mouse liver. 2009 , 74, H155-61		9
157	The effects of acrolein on peroxiredoxins, thioredoxins, and thioredoxin reductase in human bronchial epithelial cells. 2009 , 257, 95-104		47
156	Mutual synergistic toxicity between environmental toxicants: A study of mercury chloride and 4-nonylphenol. 2009 , 27, 90-5		8
155	Ameliorating effect of curcumin on sodium arsenite-induced oxidative damage and lipid peroxidation in different rat organs. 2009 , 47, 249-54		154
154	Environmental toxicity, oxidative stress and apoptosis: m ⁺ ßage ¶trois. 2009 , 674, 3-22		361
153	Folate-mediated intracellular drug delivery increases the anticancer efficacy of nanoparticulate formulation of arsenic trioxide. 2009 , 8, 1955-63		136
152	Kinetic studies of the oxidation of glutathione in protein refolding buffer. 2010 , 33, 277-86		2
151	Cadmium stress: an oxidative challenge. 2010 , 23, 927-40		651
150	Tert-butylhydroquinone induces mitochondrial oxidative stress causing Nrf2 activation. 2010 , 26, 541-51		54
149	A key role for mitochondria in endothelial signaling by plasma cysteine/cystine redox potential. <i>Free Radical Biology and Medicine</i> , 2010 , 48, 275-83	7.8	88
148	Reactive oxygen species, cellular redox systems, and apoptosis. <i>Free Radical Biology and Medicine</i> , 2010 , 48, 749-62	7.8	2258
147	Pulmonary injury and antioxidant response in mice exposed to arsenate and hexavalent chromium and their combination. 2010 , 267, 118-24		22
146	Redox compartmentalization and cellular stress. 2010 , 12 Suppl 2, 116-25		178
145	Mechanisms of pathogenesis in drug hepatotoxicity putting the stress on mitochondria. 2010 , 10, 98-111		70

144	Respiration-dependent H ₂ O ₂ removal in brain mitochondria via the thioredoxin/peroxiredoxin system. 2010 , 285, 27850-8		147
143	Effects of mercury on <i>Dictyostelium discoideum</i> : proteomics reveals the molecular mechanisms of physiological adaptation and toxicity. 2010 , 9, 2839-54		14
142	Mitochondrial energetics and therapeutics. 2010 , 5, 297-348		492
141	Effect of chronic intake of arsenic-contaminated water on blood oxidative stress indices in cattle in an arsenic-affected zone. 2010 , 73, 1327-32		38
140	Oxygenomics in environmental stress. 2010 , 15, 98-114		18
139	Oxidative Stress-Mediated Signaling Pathways by Environmental Stressors. 2011 , 175-194		
138	Proteome profiles in medaka (<i>Oryzias melastigma</i>) liver and brain experimentally exposed to acute inorganic mercury. 2011 , 103, 129-39		47
137	Copper-treatment increases the cellular GSH content and accelerates GSH export from cultured rat astrocytes. 2011 , 498, 42-6		38
136	The iron-chelating drug triapine causes pronounced mitochondrial thiol redox stress. 2011 , 201, 130-6		18
135	Inhibition of the thioredoxin system in the brain and liver of zebra-seabreams exposed to waterborne methylmercury. 2011 , 251, 95-103		72
134	Lysosomal thiol reductase negatively regulates autophagy by altering glutathione synthesis and oxidation. <i>Free Radical Biology and Medicine</i> , 2011 , 51, 688-99	7.8	53
133	Differential redox potential profiles during adipogenesis and osteogenesis. 2011 , 16, 149-61		42
132	The effects of acrolein on the thioredoxin system: implications for redox-sensitive signaling. 2011 , 55, 1361-74		26
131	Acrolein - a pulmonary hazard. 2011 , 55, 1342-60		140
130	Studies on Experimental Models. 2011 ,		
129	Mitigation of arsenic-mediated renal oxidative stress in rat by <i>Pleurotus florida</i> lectin. 2011 , 30, 940-51		18
128	Thioredoxin reductase-2 is essential for keeping low levels of H ₂ O ₂ emission from isolated heart mitochondria. 2011 , 286, 33669-77		142
127	SOD1 targeted to the mitochondrial intermembrane space prevents motor neuropathy in the Sod1 knockout mouse. 2011 , 134, 196-209		91

126	Cadmium-induced apoptosis in the BJAB human B cell line: involvement of PKC/ERK1/2/JNK signaling pathways in HO-1 expression. 2012 , 300, 103-11		37
125	Gene expression profiling of nephrotoxicity from copper nanoparticles in rats after repeated oral administration. 2012 , 34, 67-80		67
124	The contribution of thioredoxin-2 reductase and glutathione peroxidase to H ₂ O ₂ detoxification of rat brain mitochondria. 2012 , 1817, 1901-6		40
123	Gold(I) carbene complexes causing thioredoxin 1 and thioredoxin 2 oxidation as potential anticancer agents. 2012 , 55, 5518-28		197
122	Thioredoxin redox status assessment during embryonic development: the redox Western. 2012 , 889, 305-13		6
121	The Redox System in <i>C. elegans</i> , a Phylogenetic Approach. 2012 , 2012, 546915		16
120	Mouse Models of Oxidative Stress Indicate a Role for Modulating Healthy Aging. 2012 , Suppl 4,		22
119	Glutathione efflux and cell death. 2012 , 17, 1694-713		147
118	Modulation of mercury-induced mitochondria-dependent apoptosis by glycine in hepatocytes. 2012 , 42, 1669-83		55
117	Nrf2-mediated resistance to oxidant-induced redox disruption in embryos. 2012 , 95, 213-8		28
116	Subcytotoxic mercury chloride inhibits gap junction intercellular communication by a redox- and phosphorylation-mediated mechanism. <i>Free Radical Biology and Medicine</i> , 2012 , 52, 916-27	7.8	17
115	The effects of chromium(VI) on the thioredoxin system: implications for redox regulation. <i>Free Radical Biology and Medicine</i> , 2012 , 52, 2091-107	7.8	38
114	Predicting clinical biological responses to dental materials. 2012 , 28, 23-40		58
113	Hepatoprotective role and antioxidant capacity of selenium on arsenic-induced liver injury in rats. 2012 , 64, 167-74		107
112	Redox control of teratogenesis. 2013 , 35, 165-79		62
111	Metabolism of arsenic and its toxicological relevance. 2013 , 87, 969-79		216
110	Cadmium and cellular signaling cascades: interactions between cell death and survival pathways. 2013 , 87, 1743-86		170
109	Astrocyte functions in the copper homeostasis of the brain. 2013 , 62, 556-65		78

108	The impact of ionic mercury on antioxidant defenses in two mercury-sensitive anaerobic bacteria. 2013 , 26, 1023-31		6
107	Dual-mode enhancement of metallothionein protein with cell transduction and retention peptide fusion. 2013 , 171, 193-200		3
106	Lysosomal metal, redox and proton cycles influencing the CysHis cathepsin reaction. 2013 , 5, 110-24		22
105	Principles in redox signaling: from chemistry to functional significance. 2013 , 18, 1557-93		141
104	Alcohol induces mitochondrial redox imbalance in alveolar macrophages. <i>Free Radical Biology and Medicine</i> , 2013 , 65, 1427-1434	7.8	27
103	Mitochondrial metabolism of reactive oxygen species. 2013 , 13, 71-82		208
102	Thiol/disulfide redox states in signaling and sensing. 2013 , 48, 173-81		168
101	Fluorescent silver(I) and gold(I)-N-heterocyclic carbene complexes with cytotoxic properties: mechanistic insights. 2013 , 5, 1006-15		110
100	Selective targeting of the cysteine proteome by thioredoxin and glutathione redox systems. 2013 , 12, 3285-96		62
99	Cadmium affects the NADP-thioredoxin reductase/thioredoxin system in germinating pea seeds. 2013 , 8, 125-133		10
98	Increased nuclear thioredoxin-1 potentiates cadmium-induced cytotoxicity. 2013 , 131, 84-94		30
97	Lipid peroxides and glutathione status in human progenitor mononuclear (U937) cells following exposure to low doses of nickel and copper. 2013 , 36, 155-62		12
96	Improvement of mercuric chloride-induced testis injuries and sperm quality deteriorations by <i>Spirulina platensis</i> in rats. 2013 , 8, e59177		79
95	Curcumin attenuates oxidative stress-induced altered histoarchitecture of testes in experimentally exposed rats to metal mixture (lead, arsenic, cadmium, mercury, iron, and copper) for 28 days. 2014 , 96, 660-679		6
94	Chronic exposure to low doses of mercury impairs sperm quality and induces oxidative stress in rats. 2014 , 77, 143-54		45
93	Reactive oxygen species and redox compartmentalization. 2014 , 5, 285		107
92	Radiosensitization of glioma cells by TP53-induced glycolysis and apoptosis regulator knockdown is dependent on thioredoxin-1 nuclear translocation. <i>Free Radical Biology and Medicine</i> , 2014 , 69, 239-48	7.8	20
91	Glutathione depletion regulates both extrinsic and intrinsic apoptotic signaling cascades independent from multidrug resistance protein 1. 2014 , 19, 117-34		10

90	Redox balance in cystic fibrosis. 2014 , 52, 113-23		41
89	Recent discoveries on the functions of astrocytes in the copper homeostasis of the brain: a brief update. 2014 , 26, 78-84		17
88	Acute exposure to low lead levels and its implications on the activity and expression of cytosolic thioredoxin reductase in the kidney. 2014 , 114, 476-84		6
87	Critical cysteines in Akt1 regulate its activity and proteasomal degradation: implications for neurodegenerative diseases. <i>Free Radical Biology and Medicine</i> , 2014 , 74, 118-28	7.8	25
86	Asbestos modulates thioredoxin-thioredoxin interacting protein interaction to regulate inflammasome activation. 2014 , 11, 24		34
85	A redox active site containing murrel cytosolic thioredoxin: analysis of immunological properties. 2014 , 36, 141-50		11
84	Beneficial Effect of Naturally Occurring Antioxidants against Oxidative Stress Mediated Organ Dysfunctions. 2015 , 199-240		
83	Hepatoprotective effect of <i>Amaranthus hypochondriacus</i> seed extract on sodium arsenite-induced toxicity in male Wistar rats. 2015 , 9, 731-740		3
82	The influence of zinc(II) on thioredoxin/glutathione disulfide exchange: QM/MM studies to explore how zinc(II) accelerates exchange in higher dielectric environments. 2015 , 7, 1265-73		2
81	Molecular Mechanisms of Arsenic Toxicity. 2015 , 77-107		5
80	Molecular Mechanisms in Arsenic Toxicity. 2015 , 35-75		2
79	The neuroprotective effect of berberine in mercury-induced neurotoxicity in rats. 2015 , 30, 935-42		62
78	Mercury and metabolic syndrome: a review of experimental and clinical observations. 2015 , 28, 231-54		59
77	Glutathione during embryonic development. 2015 , 1850, 1527-42		59
76	Mercury bioremoval by <i>Yarrowia</i> strains isolated from sediments of mercury-polluted estuarine water. 2015 , 99, 3651-7		20
75	Metal biouptake by actively growing cells of metal-tolerant bacterial strains. 2015 , 187, 525		5
74	Alpha B-crystallin induction in skeletal muscle cells under redox imbalance is mediated by a JNK-dependent regulatory mechanism. <i>Free Radical Biology and Medicine</i> , 2015 , 86, 331-42	7.8	20
73	Thioredoxin-1/peroxiredoxin-1 as sensors of oxidative stress mediated by NADPH oxidase activity in atherosclerosis. <i>Free Radical Biology and Medicine</i> , 2015 , 86, 352-61	7.8	29

72	Hesperidin ameliorates heavy metal induced toxicity mediated by oxidative stress in brain of Wistar rats. 2015 , 31, 53-60		36
71	Two Lactococcus lactis thioredoxin paralogues play different roles in responses to arsenate and oxidative stress. 2015 , 161, 528-38		6
70	Biocompatibility evaluation of pH and glutathione-responsive nanohydrogels after intravenous administration. 2015 , 136, 222-31		14
69	Role of Redox Signaling and Inflammation in Skeletal Muscle Adaptations to Training. <i>Antioxidants</i> , 2016 , 5,	7.1	24
68	Hydrogen peroxide and central redox theory for aerobic life: A tribute to Helmut Sies: Scout, trailblazer, and redox pioneer. 2016 , 595, 13-8		6
67	A Supersensitive Probe for Rapid Colorimetric Detection of Nickel Ion Based on a Sensing Mechanism of Anti-etching. 2016 , 4, 6509-6516		24
66	Inhibitory nitrosylation of mammalian thioredoxin reductase 1: Molecular characterization and evidence for its functional role in cellular nitroso-redox imbalance. <i>Free Radical Biology and Medicine</i> , 2016 , 97, 375-385	7.8	25
65	Mercury and protein thiols: Stimulation of mitochondrial FF-ATPase and inhibition of respiration. 2016 , 260, 42-49		22
64	Membrane damage by lipid peroxidation retains the cadmium constraint and is not the primary cause of K ⁺ extrusion in yeast. 2016 , 66, 973-979		3
63	In vitro studies on mangiferin protection against cadmium-induced human renal endothelial damage and cell death via the MAP kinase and NF- κ B pathways. 2016 , 36, 57-66		13
62	Acute exposure of mercury chloride stimulates the tissue regeneration program and reactive oxygen species production in the Drosophila midgut. 2016 , 41, 32-8		9
61	Nitrosative Stress, Hypernitrosylation, and Autoimmune Responses to Nitrosylated Proteins: New Pathways in Neuroprogressive Disorders Including Depression and Chronic Fatigue Syndrome. 2017 , 54, 4271-4291		60
60	L'effet phytoprotecteur de la nigelle (Nigella sativa) contre la toxicité induite par le cadmium chez les rats. 2017 , 1		1
59	Nonsynonymous Polymorphisms in the Human AS3MT Arsenic Methylation Gene: Implications for Arsenic Toxicity. 2017 , 30, 1481-1491		22
58	Reproductive dysfunction after mercury exposure at low levels: evidence for a role of glutathione peroxidase (GPx) 1 and GPx4 in male rats. 2017 , 29, 1803-1812		12
57	Biotechnological remedies for the estuarine environment polluted with heavy metals and persistent organic pollutants. 2017 , 119, 614-625		39
56	Effect of Arsenic Exposure on NRF2-KEAP1 Pathway and Epigenetic Modification. 2018 , 185, 11-19		13
55	Mitochondrial network responses in oxidative physiology and disease. <i>Free Radical Biology and Medicine</i> , 2018 , 116, 31-40	7.8	31

54	Effectiveness of Fish Oil Supplementation in Attenuating Exercise-Induced Muscle Damage in Women During Midfollicular and Midluteal Menstrual Phases. 2018 , 32, 1601-1612	9
53	Revisiting the thiosemicarbazonecopper(II) reaction with glutathione. Activity against colorectal carcinoma cell lines. 2018 , 180, 69-79	11
52	The role of hypernitrosylation in the pathogenesis and pathophysiology of neuroprogressive diseases. 2018 , 84, 453-469	21
51	GSH/GSSG redox couple plays central role in aryl hydrocarbon receptor-dependent modulation of cytochrome P450 1A1. 2018 , 32, e22164	4
50	DPEP1 Balance GSH Involve in Cadmium Stress Response in Blood Clam. 2018 , 9, 964	3
49	Effects of soft electrophiles on selenium physiology. <i>Free Radical Biology and Medicine</i> , 2018 , 127, 134-144	18
48	The cytoplasmic thioredoxin system in <i>Caenorhabditis elegans</i> affords protection from methylmercury in an age-specific manner. 2018 , 68, 189-202	4
47	Selenium protection against mercury toxicity on the male reproductive system of <i>Clarias gariepinus</i> . 2019 , 225, 108583	15
46	Functions of thioredoxin1 in brain development and in response to environmental chemicals in zebrafish embryos. 2019 , 314, 43-52	3
45	Toxicant-mediated redox control of proteostasis in neurodegeneration. 2019 , 13, 22-34	5
44	Metabolic and epigenetic reprogramming in the arsenic-induced cancer stem cells. 2019 , 57, 10-18	22
43	Reductive Reprogramming: A Not-So-Radical Hypothesis of Neurodegeneration Linking Redox Perturbations to Neuroinflammation and Excitotoxicity. 2019 , 39, 577-590	5
42	Redox metabolism of ingested arsenic: Integrated activities of microbiome and host on toxicological outcomes. 2019 , 13, 90-98	9
41	The thioredoxin system as a target for mercury compounds. 2019 , 1863, 129255	22
40	Oxidative and haemostatic effects of copper, manganese and mercury, alone and in combination at physiologically relevant levels: An ex vivo study. 2019 , 38, 419-433	8
39	Low-dose cadmium disrupts mitochondrial citric acid cycle and lipid metabolism in mouse lung. <i>Free Radical Biology and Medicine</i> , 2019 , 131, 209-217	7.8 26
38	The Redox Theory of Development. 2020 , 32, 715-740	18
37	Omics Integration for Mitochondria Systems Biology. 2020 , 32, 853-872	10

36	Ziziphus spina-christi leaf extract attenuates mercury chloride-induced testicular dysfunction in rats. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 3401-3412	5.1	10
35	Long-Term Exposure to Inorganic Mercury Leads to Oxidative Stress in Peripheral Blood of Adult Rats. 2021 , 199, 2992-3000		3
34	Identification of mesenchymal stromal cell survival responses to antimicrobial silver ion concentrations released from orthopaedic implants. 2020 , 10, 18950		1
33	Sulfhydryl groups as targets of mercury toxicity. 2020 , 417, 213343-213343		55
32	Cellular targets of oxidative stress. 2020 , 20-21, 48-54		1
31	The interplay between oxidative stress and bioenergetic failure in neuropsychiatric illnesses: can we explain it and can we treat it?. 2020 , 47, 5587-5620		11
30	Mitochondrial redox biology: Reactive species production and antioxidant defenses. 2021 , 105-125		0
29	Glutathione-related genetic polymorphisms are associated with mercury retention and nephrotoxicity in gold-mining settings of a Colombian population. 2021 , 11, 8716		3
28	N-3 PUFA as an ergogenic supplement modulating muscle hypertrophy and strength: a systematic review. 2021 , 1-21		2
27	BCRP/Transporter Regulates Accumulation of Cadmium in Kidney Cells: Role of the Q141K Variant in Modulating Nephrotoxicity. 2021 , 49, 629-637		1
26	Sestrin protects Drosophila midgut from mercury chloride-induced damage by inhibiting oxidative stress and stimulating intestinal regeneration. 2021 , 248, 109083		0
25	Toxicological effects of silver nanoparticles and cadmium chloride in macrophage cell line (RAW 264.7): An in vitro approach. 2021 , 68, 126854		2
24	Mitochondria as Targets for Cancer Therapy. 2009 , 211-249		1
23	Cellular and Environmental Electrophiles: Balancing Redox Signaling, Inflammation, and Cell Death Pathways. 2008 , 37-66		2
22	Discovery and development of ASK1 inhibitors. 2020 , 59, 101-179		9
21	Nonhematopoietic Nrf2 dominantly impedes adult progression of sickle cell anemia in mice. 2016 , 1,		22
20	Disturbed flow enhances inflammatory signaling and atherogenesis by increasing thioredoxin-1 level in endothelial cell nuclei. 2014 , 9, e108346		21
19	Thioredoxin, Glutathione and Related Molecules in Tumors of the Nervous System. 2020 , 27, 1878-1900		10

18	Effet phytoprotecteur de la nigelle (<i>Nigella sativa</i>) contre la toxicité induite par le cadmium chez les rats. 2018 , 16, 194-203		2
17	Thermal effects on antioxidant enzymes response in <i>Tilapia</i> , <i>Oreochromis niloticus</i> exposed Arsenic. 2014 , 27, 115-125		4
16	Exercise as a Model to Study Oxidative Stress. 2011 , 531-542		0
15	Interactions of Cadmium with Signaling Molecules. 2018 , 53-81		
14	Mitochondrial alternative oxidase contributes to successful tardigrade anhydrobiosis.		
13	Mitochondrial Management of Reactive Oxygen Species. <i>Antioxidants</i> , 2021 , 10,	7.1	8
12	Mitigative effect of green tea extract against mercury(II) chloride toxicity in <i>Allium cepa</i> L. model. <i>Environmental Science and Pollution Research</i> , 2022 , 29, 27862	5.1	1
11	Polyfunctional metabolic properties of the human strain <i>Lactiplantibacillus plantarum</i> Inducia (DSM 21379): Experimental and clinical approaches. <i>Journal of Functional Foods</i> , 2022 , 92, 105064	5.1	1
10	LAMTOR5-AS1 regulates chemotherapy-induced oxidative stress by controlling the expression level and transcriptional activity of NRF2 in osteosarcoma cells. <i>Cell Death and Disease</i> , 2021 , 12, 1125	9.8	1
9	Nanoparticle Effects on Stress Response Pathways and Nanoparticle-Protein Interactions. <i>International Journal of Molecular Sciences</i> , 2022 , 23, 7962	6.3	1
8	Dietary transference of 17 β -ethinylestradiol changes the biochemical and behavioral biomarkers in adult zebrafish (<i>Danio rerio</i>). 2022 , 262, 109472		0
7	<i>Etilingera hemisphaerica</i> Blume attenuates male reproductive toxicity due to mercury chloride in <i>Mus musculus</i> .		0
6	The Role of the Thioredoxin System in Brain Diseases. 2022 , 11, 2161		0
5	Impact of nano silver composite structure on cadmium neurotoxicity in albino rats. 2022 , 65,		0
4	The role of thioredoxin and glutathione systems in arsenic-induced liver injury in rats under glutathione depletion. 1-17		0
3	Real-time analysis of dynamic compartmentalized GSH redox shifts and H ₂ O ₂ availability in undifferentiated and differentiated cells. 2023 , 1867, 130321		0
2	Cesium exposure and pulmonary function decline: Potential mediating role of oxidative stress in chronic obstructive pulmonary disease patients. 2023 , 14, 101719		0
1	AVALIAÇÃO COMPARATIVA DO POTENCIAL BIOINDICADOR DO <i>Macrobrachium amazonicum</i> EM AMBIENTES AQUÁTICOS. 2023 , 17, e03088		0

