

Masaaki Kurasaki

List of Publications by Citations

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

156
papers

4,744
citations

32
h-index

66
g-index

163
ext. papers

5,377
ext. citations

5.3
avg, IF

5.35
L-index

#	Paper	IF	Citations
156	Existence of distinct sodium channel messenger RNAs in rat brain. <i>Nature</i> , 1986 , 320, 188-92	50.4	880
155	A systematic review on silver nanoparticles-induced cytotoxicity: Physicochemical properties and perspectives. <i>Journal of Advanced Research</i> , 2018 , 9, 1-16	13	488
154	Location of functional regions of acetylcholine receptor alpha-subunit by site-directed mutagenesis. <i>Nature</i> , 1985 , 313, 364-9	50.4	396
153	Location of a delta-subunit region determining ion transport through the acetylcholine receptor channel. <i>Nature</i> , 1986 , 324, 670-4	50.4	309
152	Role of acetylcholine receptor subunits in gating of the channel. <i>Nature</i> , 1985 , 318, 538-43	50.4	262
151	Remediation of water pollution with native cyclodextrins and modified cyclodextrins: A comparative overview and perspectives. <i>Chemical Engineering Journal</i> , 2019 , 355, 920-941	14.7	111
150	Increased lipoperoxide value and glutathione peroxidase activity in blood plasma of type 2 (non-insulin-dependent) diabetic women. <i>Klinische Wochenschrift</i> , 1985 , 63, 765-8		109
149	Preparation and characterization of chitosan-carboxymethyl-β-cyclodextrin entrapped nanozero-valent iron composite for Cu (II) and Cr (IV) removal from wastewater. <i>Chemical Engineering Journal</i> , 2014 , 236, 378-387	14.7	89
148	Selenium and zinc protections against metal-(loids)-induced toxicity and disease manifestations: A review. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 168, 146-163	7	66
147	Mechanism of apoptosis induced by copper in PC12 cells. <i>Food and Chemical Toxicology</i> , 2008 , 46, 2157-64	4.7	61
146	Spatio-Temporal Assessment of Groundwater Quality and Human Health Risk: A Case Study in Gopalganj, Bangladesh. <i>Exposure and Health</i> , 2018 , 10, 167-188	8.8	57
145	River Water Pollution in Developed and Developing Countries: Judge and Assessment of Physicochemical Characteristics and Selected Dissolved Metal Concentration. <i>Clean - Soil, Air, Water</i> , 2013 , 41, 60-68	1.6	53
144	Oxidative and nonoxidative mechanisms of site-specific DNA cleavage induced by copper-containing metallothioneins. <i>Biochemistry</i> , 1995 , 34, 8763-70	3.2	53
143	Deficiencies of hippocampal Zn and ZnT3 accelerate brain aging of Rat. <i>Biochemical and Biophysical Research Communications</i> , 2000 , 279, 505-11	3.4	50
142	Nonylphenol enhances apoptosis induced by serum deprivation in PC12 cells. <i>Life Sciences</i> , 2004 , 74, 2301-12	6.8	47
141	Application of zerovalent iron impregnated chitosan-carboxymethyl-β-cyclodextrin composite beads as arsenic sorbent. <i>Journal of Environmental Chemical Engineering</i> , 2014 , 2, 370-376	6.8	46
140	Ameliorative effects of selenium on arsenic-induced cytotoxicity in PC12 cells via modulating autophagy/apoptosis. <i>Chemosphere</i> , 2018 , 196, 453-466	8.4	45

139	Monitoring and Mapping of Rice Cropping Pattern in Flooding Area in the Vietnamese Mekong Delta Using Sentinel-1A Data: A Case of An Giang Province. <i>ISPRS International Journal of Geo-Information</i> , 2019 , 8, 211	2.9	41
138	Purification and characterisation of recombinant sea urchin metallothionein expressed in <i>Escherichia coli</i> . <i>FEBS Journal</i> , 1994 , 225, 449-57		40
137	Environmental arsenic exposure and its contribution to human diseases, toxicity mechanism and management. <i>Environmental Pollution</i> , 2021 , 289, 117940	9.3	40
136	Cytotoxic effects of cadmium and zinc co-exposure in PC12 cells and the underlying mechanism. <i>Chemico-Biological Interactions</i> , 2017 , 269, 41-49	5	38
135	Phytofiltration of arsenic and cadmium from the water environment using <i>Micranthemum umbrosum</i> (J.F. Gmel) S.F Blake as a hyperaccumulator. <i>International Journal of Phytoremediation</i> , 2013 , 15, 1010-21	3.9	38
134	Copper-metallothionein in the kidney of macular mice: a model for Menkes disease. <i>Journal of Histochemistry and Cytochemistry</i> , 1997 , 45, 1493-501	3.4	38
133	A study of groundwater irrigation water quality in south-central Bangladesh: a geo-statistical model approach using GIS and multivariate statistics. <i>Acta Geochimica</i> , 2018 , 37, 193-214	2.2	37
132	Immunohistochemical determination of the Wilson Copper-transporting P-type ATPase in the brain tissues of the rat. <i>Neuroscience Letters</i> , 1999 , 266, 13-6	3.3	37
131	Inhibitory effects of selenium on cadmium-induced cytotoxicity in PC12 cells via regulating oxidative stress and apoptosis. <i>Food and Chemical Toxicology</i> , 2018 , 114, 180-189	4.7	36
130	Effect of polyphenol-containing azuki bean (<i>Vigna angularis</i>) extract on blood pressure elevation and macrophage infiltration in the heart and kidney of spontaneously hypertensive rats. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2008 , 35, 43-9	3	36
129	Metal binding ability of metallothionein-3 expressed in <i>Escherichia coli</i> . <i>Basic and Clinical Pharmacology and Toxicology</i> , 2005 , 96, 295-301	3.1	35
128	Spatio-temporal assessment and trend analysis of surface water salinity in the coastal region of Bangladesh. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 14273-14290	5.1	33
127	Adsorption kinetic model of alginate gel beads synthesized micro particle-prussian blue to remove cesium ions from water. <i>Journal of Water Process Engineering</i> , 2016 , 10, 9-19	6.7	33
126	Bisphenol-A suppresses neurite extension due to inhibition of phosphorylation of mitogen-activated protein kinase in PC12 cells. <i>Chemico-Biological Interactions</i> , 2011 , 194, 23-30	5	33
125	Diverse effect of tributyltin on apoptosis in PC12 cells. <i>Biochemical and Biophysical Research Communications</i> , 2000 , 272, 557-62	3.4	33
124	Effects of UV wavelength on cell damages caused by UV irradiation in PC12 cells. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013 , 125, 202-8	6.7	30
123	Direct visualization of copper-metallothionein in LEC rat kidneys: application of autofluorescence signal of copper-thiolate cluster. <i>Journal of Histochemistry and Cytochemistry</i> , 1996 , 44, 865-73	3.4	30
122	Investigation of heavy metal contents in Cow milk samples from area of Dhaka, Bangladesh. <i>International Journal of Food Contamination</i> , 2016 , 3,	4.1	30

121	Comparison of general water quality of rivers in Indonesia and Japan. <i>Environmental Monitoring and Assessment</i> , 2009 , 156, 317-29	3.1	29
120	Expression of human metallothionein-2 in Escherichia coli: cadmium tolerance of transformed cells. <i>Journal of Biochemistry</i> , 1995 , 118, 1131-7	3.1	29
119	Alteration of Water Pollution Level with the Seasonal Changes in Mean Daily Discharge in Three Main Rivers around Dhaka City, Bangladesh. <i>Environments - MDPI</i> , 2015 , 2, 280-294	3.2	28
118	Curcumin alleviates arsenic-induced toxicity in PC12 cells via modulating autophagy/apoptosis. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 200, 110756	7	25
117	Phytoremediation of arsenic and cadmium by using an aquatic plant, <i>Micranthemum umbrosum</i> : phytotoxicity, uptake kinetics, and mechanism. <i>Ecotoxicology and Environmental Safety</i> , 2015 , 112, 193-200	7	25
116	Roles of the conserved serines of metallothionein in cadmium binding. <i>Biochemical Genetics</i> , 1996 , 34, 239-51	2.4	25
115	Immunohistochemical study of macrophage migration inhibitory factor in rat liver fibrosis induced by thioacetamide. <i>European Journal of Histochemistry</i> , 2003 , 47, 317	2.1	23
114	Brassica rapa var. japonica Leaf Extract Mediated Green Synthesis of Crystalline Silver Nanoparticles and Evaluation of Their Stability, Cytotoxicity and Antibacterial Activity. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018 , 28, 1483-1493	3.2	22
113	Removal of Cadmium and Chromium Ions Using Modified β - and γ -Cyclodextrin Polymers. <i>Separation Science and Technology</i> , 2013 , 48, 587-597	2.5	22
112	Groundwater Quality Assessment Using Fuzzy-AHP in An Giang Province of Vietnam. <i>Geosciences (Switzerland)</i> , 2019 , 9, 330	2.7	21
111	Protective effect of taurine against renal interstitial fibrosis of rats induced by cisplatin. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2002 , 365, 277-83	3.4	21
110	Combined effects of working environmental conditions in VDT work. <i>Ergonomics</i> , 2001 , 44, 562-70	2.9	21
109	Bcl-2-linked apoptosis due to increase in NO synthase in brain of SAMP10. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 297, 517-22	3.4	21
108	Mechanism of the toxicity induced by natural humic acid on human vascular endothelial cells. <i>Environmental Toxicology</i> , 2014 , 29, 916-25	4.2	20
107	Protective effect of dietary azuki bean (<i>Vigna angularis</i>) seed coats against renal interstitial fibrosis of rats induced by cisplatin. <i>Nutrition</i> , 2005 , 21, 504-11	4.8	20
106	Independent self-assembly of cadmium-binding alpha-fragment of metallothionein in Escherichia coli without participation of beta-fragment. <i>Protein Engineering, Design and Selection</i> , 1996 , 9, 1173-80	1.9	19
105	Effects of peat fires on the characteristics of humic acid extracted from peat soil in Central Kalimantan, Indonesia. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 2384-95	5.1	18
104	Removal of copper ions from water using epichlorohydrin cross-linked beta-cyclodextrin polymer: characterization, isotherms and kinetics. <i>Water Environment Research</i> , 2014 , 86, 296-304	2.8	17

103	Restriction of cadmium transfer to eggs from laying hens exposed to cadmium. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 1997 , 51, 15-22	3.2	17
102	Deficiency of erythrocyte superoxide dismutase and catalase activities in patients with malignant lymphoma and acute myeloid leukemia. <i>Cancer Letters</i> , 1984 , 24, 141-6	9.9	16
101	Green synthesis of bio-molecule encapsulated magnetic silver nanoparticles and their antibacterial activity.. <i>RSC Advances</i> , 2018 , 8, 37176-37183	3.7	16
100	Facile synthesis, characterization, and adsorption properties of Cd (II) from aqueous solution using Eyclodextrin polymer impregnated in functionalized chitosan beads as a novel adsorbent. <i>Journal of Environmental Chemical Engineering</i> , 2017 , 5, 3395-3404	6.8	15
99	Carvacrol inhibits cadmium toxicity through combating against caspase dependent/independent apoptosis in PC12 cells. <i>Food and Chemical Toxicology</i> , 2019 , 134, 110835	4.7	15
98	Assessment of the Status of Groundwater Arsenic at Singair Upazila, Manikganj Bangladesh; Exploring the Correlation with Other Metals and Ions. <i>Exposure and Health</i> , 2016 , 8, 217-225	8.8	15
97	Removal of Pollutants from Water by Using Single-Walled Carbon Nanotubes (SWCNTs) and Multi-walled Carbon Nanotubes (MWCNTs). <i>Arabian Journal for Science and Engineering</i> , 2017 , 42, 261-269 ⁵	2.5	15
96	Effects of Multi-Dike Protection Systems on Surface Water Quality in the Vietnamese Mekong Delta. <i>Water (Switzerland)</i> , 2019 , 11, 1010	3	14
95	Histochemical localization of superoxide dismutase activity in rat brain. <i>Free Radical Biology and Medicine</i> , 1998 , 24, 1470-6	7.8	14
94	Determination of true specific activity of superoxide dismutase in human erythrocytes. <i>Clinical Science</i> , 1982 , 63, 251-5	6.5	14
93	Maternal resveratrol intake during lactation attenuates hepatic triglyceride and fatty acid synthesis in adult male rat offspring. <i>Biochemistry and Biophysics Reports</i> , 2017 , 9, 173-179	2.2	13
92	Metal concentrations of river water and sediments in West Java, Indonesia. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2011 , 87, 669-73	2.7	13
91	Increased erythrocyte catalase activity in patients with hyperthyroidism. <i>Hormone and Metabolic Research</i> , 1986 , 18, 56-9	3.1	13
90	Protective effect of lignophenol derivative from beech (<i>Fagus crenata</i> Blume) on copper- and zinc-mediated cell death in PC12 cells. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2006 , 99, 353-7	3.1	12
89	2,4,5-Trichlorophenoxyacetic acid inhibits apoptosis in PC12 cells. <i>Life Sciences</i> , 2001 , 69, 403-8	6.8	12
88	Investigating the protective actions of D-pinitol against arsenic-induced toxicity in PC12 cells and the underlying mechanism. <i>Environmental Toxicology and Pharmacology</i> , 2020 , 74, 103302	5.8	12
87	Immunohistochemical study of macrophage migration inhibitory factor in rat liver fibrosis induced by thioacetamide. <i>European Journal of Histochemistry</i> , 2003 , 47, 317-24	2.1	12
86	cytotoxicity and antibiotic application of green route surface modified ferromagnetic TiO nanoparticles.. <i>RSC Advances</i> , 2019 , 9, 13254-13262	3.7	11

85	Impact of Rice Intensification and Urbanization on Surface Water Quality in An Giang Using a Statistical Approach. <i>Water (Switzerland)</i> , 2020 , 12, 1710	3	10
84	Aspartame-induced apoptosis in PC12 cells. <i>Environmental Toxicology and Pharmacology</i> , 2014 , 37, 158-65	5.8	10
83	Significance of alpha-fragment of metallothionein in cadmium binding. <i>Protein Engineering, Design and Selection</i> , 1997 , 10, 413-6	1.9	10
82	Effects of amino acid replacements on cadmium binding of metallothionein alpha-fragment. <i>Cellular and Molecular Life Sciences</i> , 1997 , 53, 459-65	10.3	10
81	Distribution of zinc-binding metallothionein in cirrhotic liver of rats administered zinc. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2000 , 87, 292-6		10
80	Protective role of metallothionein on DNA damage in rat kidney caused by cis-diamminedichloroplatinum. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2000 , 86, 276-82		10
79	Myricetin enhances on apoptosis induced by serum deprivation in PC12 cells mediated by mitochondrial signaling pathway. <i>Environmental Toxicology and Pharmacology</i> , 2018 , 57, 175-180	5.8	9
78	Azuki bean (<i>Vigna angularis</i>) extract stimulates the phosphorylation of AMP-activated protein kinase in HepG2 cells and diabetic rat liver. <i>Journal of the Science of Food and Agriculture</i> , 2016 , 96, 2312-8	4.3	9
77	Changes in the expression of epigenetic factors during copper-induced apoptosis in PC12 cells. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014 , 49, 1023-8	2.3	9
76	Selenium modulates inorganic mercury induced cytotoxicity and intrinsic apoptosis in PC12 cells. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 207, 111262	7	9
75	Regulatory effects of dihydrolipoic acid against inorganic mercury-mediated cytotoxicity and intrinsic apoptosis in PC12 cells. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 192, 110238	7	8
74	Deficiency of catecholamine syntheses caused by downregulation of phosphorylation of tyrosine hydroxylase in the cerebral cortex of the senescence-accelerated mouse prone 10 strain with aging. <i>Archives of Gerontology and Geriatrics</i> , 2013 , 56, 68-74	4	8
73	Diethyl phthalate enhances expression of SIRT1 and DNMT3a during apoptosis in PC12 cells. <i>Journal of Applied Toxicology</i> , 2013 , 33, 1484-92	4.1	8
72	Histochemical characterization of silver-induced metallothionein in rat kidney. <i>Journal of Inorganic Biochemistry</i> , 2000 , 78, 275-81	4.2	8
71	Zinc-pretreatment triggers glutathione and Nrf2-mediated protection against inorganic mercury-induced cytotoxicity and intrinsic apoptosis in PC12 cells. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 207, 111320	7	8
70	Melinjo (<i>Gnetum gnemon</i>) Seed Extract Consumption during Lactation Improved Vasodilation and Attenuated the Development of Hypertension in Female Offspring of Fructose-Fed Pregnant Rats. <i>Birth Defects Research</i> , 2018 , 110, 27-34	2.9	7
69	Long-term effect of green tea extract during lactation on AMPK expression in rat offspring exposed to fetal malnutrition. <i>Nutrition</i> , 2013 , 29, 1152-8	4.8	7
68	Stevioside enhances apoptosis induced by serum deprivation in PC12 cells. <i>Toxicology Mechanisms and Methods</i> , 2012 , 22, 243-9	3.6	7

67	Localization of renal Cu-binding metallothionein induced by Au injection into rats. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1997 , 1335, 353-8	4	7
66	Metals in Water in the Central Kalimantan, Indonesia. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2000 , 65, 591-597	2.7	7
65	Investigation of Chromium Removal Efficacy from Tannery Effluent by Synthesized Chitosan from Crab Shell. <i>Arabian Journal for Science and Engineering</i> , 2017 , 42, 1569-1577	2.5	6
64	Diethyl phthalate enhances apoptosis induced by serum deprivation in PC12 cells. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2012 , 111, 113-9	3.1	6
63	Green tea extract increases mRNA expression of enzymes which influence epigenetic marks in newborn female offspring from undernourished pregnant mother. <i>PLoS ONE</i> , 2013 , 8, e74559	3.7	6
62	Metals in water in the Central Kalimantan, Indonesia. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2000 , 65, 591-7	2.7	6
61	The effect of heavy metal-induced metallothionein on Zn, Cu and Cd accumulation in rat kidney. <i>Basic and Clinical Pharmacology and Toxicology</i> , 1999 , 84, 255-60		6
60	Pb (II) Remediation from Aqueous Environment Using Chitosan-Activated Carbon-Polyvinyl Alcohol Composite Beads. <i>Water, Air, and Soil Pollution</i> , 2021 , 232, 1	2.6	6
59	Microbiological safety of street-vended foods in Bangladesh. <i>Journal Fur Verbraucherschutz Und Lebensmittelsicherheit</i> , 2018 , 13, 257-269	2.3	5
58	Effect of <i>Tinospora cordifolia</i> on the reduction of ultraviolet radiation-induced cytotoxicity and DNA damage in PC12 cells. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2014 , 49, 416-21	2.2	5
57	Effect of trichloroethylene on spatiotemporal pattern of LTP in mouse hippocampal slices. <i>International Journal of Neuroscience</i> , 2001 , 111, 257-71	2	5
56	Role of metallothionein on Ag accumulation in hepatic and renal cytosol after Ag injection to rats. <i>Basic and Clinical Pharmacology and Toxicology</i> , 1999 , 85, 22-8		5
55	Metallothionein in the ovaries of laying hens exposed to cadmium. <i>Life Sciences</i> , 1996 , 58, 1561-7	6.8	5
54	Effects of curcumin, D-pinitol alone or in combination in cytotoxicity induced by arsenic in PC12 cells. <i>Food and Chemical Toxicology</i> , 2020 , 144, 111577	4.7	5
53	Green Synthesized Silver Nanoparticles-Mediated Cytotoxic Effect in Colorectal Cancer Cells: NF-B Signal Induced Apoptosis Through Autophagy. <i>Biological Trace Element Research</i> , 2021 , 199, 3272-3286	4.5	5
52	Amelioration of butylated hydroxytoluene against inorganic mercury induced cytotoxicity and mitochondrial apoptosis in PC12 cells via antioxidant effects. <i>Food and Chemical Toxicology</i> , 2020 , 146, 111819	4.7	5
51	Elucidation of the mechanism of changes in the antioxidant function with the aging in the liver of the senescence-accelerated mouse P10 (SAMP10). <i>Experimental Gerontology</i> , 2018 , 106, 46-53	4.5	4
50	Monitoring of heavy metal pollution and GIS derived land use changes in the major economic zone of Bangladesh. <i>Sustainable Water Resources Management</i> , 2018 , 4, 655-666	1.9	4

49	Potential of <i>Micranthemum umbrosum</i> for phytofiltration of organic arsenic species from oxic water environment. <i>International Journal of Environmental Science and Technology</i> , 2017 , 14, 285-290	3.3	4
48	Humic acid induces the endothelial nitric oxide synthase phosphorylation at Ser1177 and Thr495 Via Hsp90 α and Hsp90 β upregulation in human umbilical vein endothelial cells. <i>Environmental Toxicology</i> , 2015 , 30, 223-31	4.2	4
47	Increase in tetrahydrobiopterin concentration with aging in the cerebral cortex of the senescence-accelerated mouse prone 10 strain caused by abnormal regulation of tetrahydrobiopterin biosynthesis. <i>Biogerontology</i> , 2013 , 14, 491-501	4.5	4
46	Effects of gamma-hexachlorocyclohexane on apoptosis induced by serum deprivation in PC12 cells. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2008 , 43, 471-5	2.2	4
45	Copper metabolism in the kidney of rats administered copper and copper-metallothionein. <i>American Journal of Physiology - Renal Physiology</i> , 1998 , 274, F783-90	4.3	4
44	Phosphorylated chitin increased bone formation when implanted into rat calvaria with the Ti-device. <i>Bio-Medical Materials and Engineering</i> , 2020 , 31, 47-57	1	3
43	Localization of the induced metallothionein and DNA damage in rat kidney after gold injection. <i>Journal of Histochemistry and Cytochemistry</i> , 2002 , 50, 1263-71	3.4	3
42	Apoptosis and Endocrine Disrupters. <i>Biomedical Research</i> , 2000 , 21, 353-359	1.5	3
41	Measurement of DNA damage by terminal deoxynucleotidyl transferase reaction. <i>Advances in Biological Chemistry</i> , 2012 , 02, 243-247	0.9	3
40	Combined effects of working environmental conditions in VDT work		3
39	Stability Enhancement of Silver Nanoparticles Through Surface Encapsulation via a Facile Green Synthesis Approach and Toxicity Reduction. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020 , 30, 1956-1965	3.2	3
38	Discovery of Ti-Binding Abilities of Phosphorylated-Chitin and -Collagen. <i>Journal of Hard Tissue Biology</i> , 2020 , 29, 45-48	0.4	2
37	Melinjo (<i>Gnetum gnemon</i>) extract intake during lactation stimulates hepatic AMP-activated protein kinase in offspring of excessive fructose-fed pregnant rats. <i>Reproductive Biology</i> , 2016 , 16, 165-73	2.3	2
36	The effect of Au injection on the ceruloplasmin, metallothionein and 8-hydroxydeoxyguanosine of rat serum, kidney and liver. <i>Chemico-Biological Interactions</i> , 2002 , 140, 265-78	5	2
35	Changes in Middle Latency Auditory-Evoked Potentials of the Rat Exposed to Styrene.. <i>Journal of Health Science</i> , 2001 , 47, 175-183		2
34	Effects of Metals on Human Health and Ecosystem. <i>Handbook of Environmental Chemistry</i> , 2022 , 1	0.8	2
33	Protein engineering of metallothionein to study the metal-binding ability 1999 , 129-136		2
32	Protective effects of ajwain (<i>Trachyspermum ammi</i> L.) extract against cadmium-induced cytotoxicity and apoptosis in PC12 cells. <i>Journal of Herbal Medicine</i> , 2021 , 26, 100423	2.3	2

31	Nonylphenol diethoxylate inhibits apoptosis induced in PC12 cells. <i>Environmental Toxicology</i> , 2016 , 31, 1389-1398	4.2	2
30	Amelioration of Metal-Induced Cellular Stress by Lipoic Acid and Dihydrolipoic Acid through Antioxidative Effects in PC12 Cells and Caco-2 Cells. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	2
29	Binding of collagen gene products with titanium oxide. <i>Journal of Biochemistry</i> , 2021 , 169, 565-573	3.1	2
28	Low molecular weight copper-binding protein in the liver of rats given a single and repeated injections of copper. <i>Research Communications in Molecular Pathology and Pharmacology</i> , 1996 , 92, 299-314		2
27	Grape skin extract prevents UV irradiation induced DNA damage of normal human epidermal keratinocytes cells. <i>Journal of Berry Research</i> , 2020 , 10, 585-601	2	1
26	Analysis of Cadmium, Epigallocatechin Gallate, and Vitamin C Co-exposure on PC12 Cellular Mechanisms. <i>Biological Trace Element Research</i> , 2020 , 198, 627-635	4.5	1
25	Peat Fire Impact on Water Quality and Organic Matter in Peat Soil 2016 , 281-296		1
24	Effects of parabens on apoptosis induced by serum-free medium. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2012 , 47, 196-204	2.2	1
23	Effects of synthetic dopamine-melanins on oxygen radical formation induced by metal ions with dopamine. <i>Neuroscience Research Communications</i> , 2001 , 29, 31-40		1
22	Influence of dietary methionine level on the liver metallothionein mRNA level in rats. <i>Bioscience, Biotechnology and Biochemistry</i> , 2002 , 66, 2465-70	2.1	1
21	Human Erythrocyte Catalase Activity in Japanese Adults. <i>Japanese Journal of Hygiene</i> , 1982 , 37, 707-713	0.2	1
20	Roles of the conserved serines of metallothionein in cadmium binding 1996 , 34, 239		1
19	Polyphenol-enriched azuki bean () extract reduces the oxidative stress and prevents DNA oxidation in the hearts of streptozotocin-induced early diabetic rats. <i>International Journal of Food Sciences and Nutrition</i> , 2019 , 70, 845-855	3.7	1
18	Long-term effects of maternal resveratrol intake during lactation on cholesterol metabolism in male rat offspring. <i>International Journal of Food Sciences and Nutrition</i> , 2020 , 71, 226-234	3.7	1
17	Spatiotemporal variations in groundwater levels and the impact on land subsidence in CanTho, Vietnam. <i>Groundwater for Sustainable Development</i> , 2021 , 100680	6	1
16	Zweigelt and Niagara skin extracts suppress cyclobutane pyrimidine dimer formation due to UV irradiation in NHEK cells: first attempt. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2020 , 55, 593-598	2.2	0
15	Development of Low-cost indigenous filtration system for urban sullage: assessment of reusability. <i>Future Cities and Environment</i> , 2017 , 2, 5	1.3	
14	Oxidative stress and the senescence acceleration in senescence-accelerated mouse P10 (SAMP10) 2020 , 363-367		

- 13 Contents of hepatic and renal metallothioneins in *Hyposarcus pardalis*: for construction of biomarker for heavy metal contamination in environments. *Environmental Earth Sciences*, **2014**, 71, 1945-1952
- 12 A mutant metallothionein which has inverse fragment composition exhibits high cadmium-binding ability. *IUBMB Life*, **1997**, 41, 49-56 4-7
- 11 Zinc-Induced Excessive Glutamate Release may Cause Accelerated Senescence with Defect in Learning and Memory in Senescence Accelerated Mouse **2002**, 429-432
- 10 Copper Metabolism in the Rodent Kidneys **2002**, 933-935
- 9 Co-Localization of Cu/Zn-Superoxide Dismutase (SOD-1), Nitric Oxide Synthase (NOS), and Zn/Cu-Metallothionein (MT) in Rat Brain **2002**, 105-109
- 8 Distribution of Copper Transported ATP7B in Embryo and New Born Rat **2002**, 59-61
- 7 Activity and Content of Erythrocyte Superoxide Dismutase in Japanese. *Japanese Journal of Hygiene*, **1982**, 37, 779-786 0.2
- 6 Phytoremediation: Background, Principle, and Application, Plant Species Used for Phytoremediation. *Handbook of Environmental Chemistry*, **2022**, 1 0.8
- 5 Restriction of cadmium transfer to egg from laying hen exposed to cadmium: Involvement of metallothionein in the ovaries **1999**, 315-320
- 4 Relationship between Cu metabolism hereditary disorders and distribution of Cu-metallothionein in kidneys **1999**, 413-419
- 3 Quantification of cytosolic metallothionein contents by a developed assay system using immobilized antibody **1999**, 125-128
- 2 Phytofiltration mechanism of arsenic from drinking water using *Micranthemum umbrosum*. *Arsenic in the Environment Proceedings*, **2014**, 733-734
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