

Gagan Chainy

List of Publications by Year in Descending Order

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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.

53
papers

1,635
citations

22
h-index

39
g-index

53
ext. papers

1,820
ext. citations

3.9
avg, IF

4.89
L-index

#	Paper	IF	Citations
53	The benzene metabolite p-benzoquinone inhibits the catalytic activity of bovine liver catalase: A biophysical study. <i>International Journal of Biological Macromolecules</i> , 2021 , 167, 871-880	7.9	3
52	Prospective role of thyroid disorders in monitoring COVID-19 pandemic. <i>Heliyon</i> , 2020 , 6, e05712	3.6	16
51	Hormones and oxidative stress: an overview. <i>Free Radical Research</i> , 2020 , 54, 1-26	4	48
50	Curcumin restores hepatic epigenetic changes in propylthiouracil(PTU)Induced hypothyroid male rats: A study on DNMTs, MBDs, GADD45a, C/EBP- β and PCNA. <i>Food and Chemical Toxicology</i> , 2019 , 123, 169-180	4.7	9
49	Lanthanum chloride-induced conformational changes of bovine liver catalase: A computational and biophysical study. <i>International Journal of Biological Macromolecules</i> , 2018 , 115, 853-860	7.9	9
48	Investigating the Conformational Structure and Potential Site Interactions of SOD Inhibitors on Ec-SOD in Marine Mud Crab <i>Scylla serrata</i> : A Molecular Modeling Approach. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2016 , 8, 312-8	3.5	6
47	Neonatal Persistent Exposure to 6-Propyl-2-thiouracil, a Thyroid-Disrupting Chemical, Differentially Modulates Expression of Hepatic Catalase and C/EBP- β in Adult Rats. <i>Journal of Biochemical and Molecular Toxicology</i> , 2016 , 30, 80-90	3.4	8
46	Effects of temperature on complexes I and II mediated respiration, ROS generation and oxidative stress status in isolated gill mitochondria of the mud crab <i>Scylla serrata</i> . <i>Journal of Thermal Biology</i> , 2014 , 41, 104-11	2.9	34
45	Seasonal variability of antioxidant biomarkers in mud crabs (<i>Scylla serrata</i>). <i>Ecotoxicology and Environmental Safety</i> , 2013 , 87, 33-41	7	47
44	In silico prediction of 3D structure of Mn superoxide dismutase of <i>Scylla serrata</i> and its binding properties with inhibitors. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2013 , 5, 69-76	3.5	13
43	Curcumin differentially regulates the expression of superoxide dismutase in cerebral cortex and cerebellum of L-thyroxine (T ₄)induced hyperthyroid rat brain. <i>Neurological Sciences</i> , 2013 , 34, 505-10	3.5	12
42	Replication of type 2 diabetes candidate genes variations in three geographically unrelated Indian population groups. <i>PLoS ONE</i> , 2013 , 8, e58881	3.7	23
41	Hypothyroidism modulates renal antioxidant gene expression during postnatal development and maturation in rat. <i>General and Comparative Endocrinology</i> , 2012 , 178, 8-18	3	13
40	Expression of antioxidant genes in renal cortex of PTU-induced hypothyroid rats: effect of vitamin E and curcumin. <i>Molecular Biology Reports</i> , 2012 , 39, 1193-203	2.8	18
39	Constitutional, organopathic and combined homeopathic treatment of benign prostatic hypertrophy: a clinical trial. <i>Homeopathy</i> , 2012 , 101, 217-23	1.4	11
38	Curcumin and vitamin E modulate hepatic antioxidant gene expression in PTU-induced hypothyroid rats. <i>Molecular Biology Reports</i> , 2012 , 39, 9849-61	2.8	29
37	Induction of oxidative stress and inhibition of superoxide dismutase expression in rat cerebral cortex and cerebellum by PTU-induced hypothyroidism and its reversal by curcumin. <i>Neurological Sciences</i> , 2012 , 33, 869-73	3.5	25

36	Regulation of expression of antioxidant enzymes by vitamin E and curcumin in L-thyroxine-induced oxidative stress in rat renal cortex. <i>Molecular Biology Reports</i> , 2011 , 38, 1047-54	2.8	17
35	In silico prediction and characterization of 3D structure and binding properties of catalase from the commercially important crab, <i>Scylla serrata</i> . <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2011 , 3, 110-20	3.5	16
34	A Novel Two-Step Procedure for Plasma Surface Modification of Low-Density Polyethylene for Improved Drug Adhesion in Intra Uterine Devices (IUDs). <i>Journal of Adhesion Science and Technology</i> , 2011 , 25, 151-167	2	4
33	PTU-induced hypothyroidism modulates antioxidant defence status in the developing cerebellum. <i>International Journal of Developmental Neuroscience</i> , 2010 , 28, 251-62	2.7	43
32	Expression of hepatic antioxidant genes in l-thyroxine-induced hyperthyroid rats: regulation by vitamin E and curcumin. <i>Chemico-Biological Interactions</i> , 2010 , 183, 304-16	5	50
31	T3 fails to restore mitochondrial thiol redox status altered by experimental hypothyroidism in rat testis. <i>General and Comparative Endocrinology</i> , 2010 , 169, 39-47	3	23
30	Application of oxidative stress indices in natural populations of <i>Perna viridis</i> as biomarker of environmental pollution. <i>Marine Pollution Bulletin</i> , 2009 , 58, 107-13	6.7	39
29	X-ray photoelectron spectroscopic investigations of modifications in plasmid DNA after interaction with Hg nanoparticles. <i>Applied Surface Science</i> , 2009 , 256, 438-442	6.7	21
28	Supplementation of curcumin and vitamin E enhances oxidative stress, but restores hepatic histoarchitecture in hypothyroid rats. <i>Life Sciences</i> , 2009 , 84, 372-9	6.8	45
27	Hypothyroidism impairs antioxidant defence system and testicular physiology during development and maturation. <i>General and Comparative Endocrinology</i> , 2008 , 156, 63-70	3	68
26	Alleviation of enhanced oxidative stress and oxygen consumption of L-thyroxine induced hyperthyroid rat liver mitochondria by vitamin E and curcumin. <i>Chemico-Biological Interactions</i> , 2008 , 173, 105-14	5	65
25	Protective effects of vitamin E and curcumin on L-thyroxine-induced rat testicular oxidative stress. <i>Chemico-Biological Interactions</i> , 2008 , 176, 121-8	5	85
24	Seasonal variation of oxidative biomarkers in gills and digestive gland of green-lipped mussel <i>Perna viridis</i> from Arabian Sea. <i>Estuarine, Coastal and Shelf Science</i> , 2008 , 76, 745-752	2.9	52
23	Rat testicular mitochondrial antioxidant defence system and its modulation by aging. <i>Acta Biologica Hungarica</i> , 2008 , 59, 413-24		10
22	Biochemical markers of oxidative stress in <i>Perna viridis</i> exposed to mercury and temperature. <i>Chemico-Biological Interactions</i> , 2007 , 167, 219-26	5	152
21	Alterations in expression of senescence marker protein-30 gene by 3,3',5'-triiodo-L-thyronine (T3). <i>Molecular and Cellular Biochemistry</i> , 2007 , 303, 239-42	4.2	11
20	Characterization of Ca ²⁺ -ATPase activity in gill microsomes of freshwater mussel, <i>Lamellidens marginalis</i> (Lamarck) and heavy metal modulations. <i>Aquaculture</i> , 2007 , 270, 443-450	4.4	13
19	Estradiol treatment induces testicular oxidative stress and germ cell apoptosis in rats. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2006 , 11, 1427-37	5.4	46

18	DNA template-driven synthesis of HgTe nanoparticles. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2005 , 30, 182-185	3	12
17	Thyroid hormone influences antioxidant defense system in adult rat brain. <i>Neurochemical Research</i> , 2004 , 29, 1755-66	4.6	68
16	Experimentally induced hypo- and hyper-thyroidism influence on the antioxidant defence system in adult rat testis. <i>Andrologia</i> , 2003 , 35, 131-40	2.4	62
15	Mediation of oxidative stress in HCH-induced neurotoxicity in rat. <i>Archives of Environmental Contamination and Toxicology</i> , 2000 , 39, 7-12	3.2	33
14	An in vitro study of metal ion-induced lipid peroxidation in giant fresh water prawn <i>Macrobrachium rosenbergii</i> (de MAN). <i>BioMetals</i> , 1999 , 12, 89-97	3.4	16
13	Age-related changes in rat testicular oxidative stress parameters by hexachlorocyclohexane. <i>Archives of Toxicology</i> , 1999 , 73, 96-107	5.8	21
12	Effects of aluminum sulphate and citric acid ingestion on lipid peroxidation and on activities of superoxide dismutase and catalase in cerebral hemisphere and liver of developing young chicks. <i>Molecular and Cellular Biochemistry</i> , 1998 , 187, 163-72	4.2	19
11	Acute hexachlorocyclohexane-induced oxidative stress in rat cerebral hemisphere. <i>Neurochemical Research</i> , 1998 , 23, 1079-84	4.6	12
10	Sanguinarine (pseudochelerythrine) is a potent inhibitor of NF-kappaB activation, IkappaBalpha phosphorylation, and degradation. <i>Journal of Biological Chemistry</i> , 1997 , 272, 30129-34	5.4	219
9	Alterations in the activities of cerebral antioxidant enzymes of rat are related to aging. <i>International Journal of Developmental Neuroscience</i> , 1997 , 15, 939-48	2.7	38
8	Aluminum effect on lipid peroxidation and on the activities of superoxide dismutase and catalase in the cerebral hemisphere and liver of young chicks. <i>Journal of Trace Elements in Medicine and Biology</i> , 1997 , 11, 77-82	4.1	10
7	Age-related change in rat testicular ATPase activities in response to HCH treatment. <i>Bulletin of Environmental Contamination and Toxicology</i> , 1996 , 56, 165-70	2.7	7
6	Effect of aluminum on lipid peroxidation of cerebral hemisphere of chick. <i>Bulletin of Environmental Contamination and Toxicology</i> , 1993 , 50, 85-91	2.7	12
5	Morphometric analysis of small follicles in the ovary of the musk shrew (<i>Suncus murinus</i> L.) at different ages. <i>General and Comparative Endocrinology</i> , 1992 , 85, 169-78	3	
4	Effects of estradiol valerate on the uterus of the musk shrew (<i>Suncus murinus</i> L.). <i>General and Comparative Endocrinology</i> , 1992 , 88, 91-9	3	4
3	Testosterone propionate induced changes in testicular phosphatases of musk shrew (<i>Suncus murinus</i> L.). <i>Andrologia</i> , 1989 , 21, 334-9	2.4	
2	Effects of prolactin and bromocriptine on physiological status of testis of the musk shrew (<i>Suncus murinus</i> L.). <i>Andrologia</i> , 1988 , 20, 426-32	2.4	1
1	Induction and properties of pyruvate kinase of the cerebral hemisphere of rats of various ages. <i>Journal of Neurochemistry</i> , 1978 , 30, 419-27	6	17

