

Gagan Chainy

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5467201/publications.pdf>

Version: 2024-02-01

53
papers

2,092
citations

257357

24
h-index

243529

44
g-index

53
all docs

53
docs citations

53
times ranked

2382
citing authors

#	ARTICLE	IF	CITATIONS
1	Sanguinarine (Pseudocheleerythrine) Is a Potent Inhibitor of NF- κ B Activation, I κ B α Phosphorylation, and Degradation. <i>Journal of Biological Chemistry</i> , 1997, 272, 30129-30134.	1.6	257
2	Biochemical markers of oxidative stress in <i>Perna viridis</i> exposed to mercury and temperature. <i>Chemico-Biological Interactions</i> , 2007, 167, 219-226.	1.7	188
3	Protective effects of vitamin E and curcumin on l-thyroxine-induced rat testicular oxidative stress. <i>Chemico-Biological Interactions</i> , 2008, 176, 121-128.	1.7	107
4	Hormones and oxidative stress: an overview. <i>Free Radical Research</i> , 2020, 54, 1-26.	1.5	106
5	Hypothyroidism impairs antioxidant defence system and testicular physiology during development and maturation. <i>General and Comparative Endocrinology</i> , 2008, 156, 63-70.	0.8	94
6	Thyroid Hormone Influences Antioxidant Defense System in Adult Rat Brain. <i>Neurochemical Research</i> , 2004, 29, 1755-1766.	1.6	89
7	Experimentally induced hypo- and hyper-thyroidism influence on the antioxidant defence system in adult rat testis. <i>Andrologia</i> , 2003, 35, 131-140.	1.0	86
8	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, 105-114.	1.7	76
9	Seasonal variability of antioxidant biomarkers in mud crabs (<i>Scylla serrata</i>). <i>Ecotoxicology and Environmental Safety</i> , 2013, 87, 33-41.	2.9	67
10	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.	0.9	64
11	Expression of hepatic antioxidant genes in l-thyroxine-induced hyperthyroid rats: Regulation by vitamin E and curcumin. <i>Chemico-Biological Interactions</i> , 2010, 183, 304-316.	1.7	62
12	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, 104-111.	1.1	55
13	Supplementation of curcumin and vitamin E enhances oxidative stress, but restores hepatic histoarchitecture in hypothyroid rats. <i>Life Sciences</i> , 2009, 84, 372-379.	2.0	50
14	Estradiol treatment induces testicular oxidative stress and germ cell apoptosis in rats. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2006, 11, 1427-1437.	2.2	48
15	PTU-induced hypothyroidism modulates antioxidant defence status in the developing cerebellum. <i>International Journal of Developmental Neuroscience</i> , 2010, 28, 251-262.	0.7	47
16	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, 107-113.	2.3	43
17	Mediation of Oxidative Stress in HCH-Induced Neurotoxicity in Rat. <i>Archives of Environmental Contamination and Toxicology</i> , 2000, 39, 7-12.	2.1	41
18	Alterations in the activities of cerebral antioxidant enzymes of rat are related to aging. <i>International Journal of Developmental Neuroscience</i> , 1997, 15, 939-948.	0.7	40

#	ARTICLE	IF	CITATIONS
19	Curcumin and vitamin E modulate hepatic antioxidant gene expression in PTU-induced hypothyroid rats. <i>Molecular Biology Reports</i> , 2012, 39, 9849-9861.	1.0	36
20	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.	0.8	29
21	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, 869-873.	0.9	28
22	Prospective role of thyroid disorders in monitoring COVID-19 pandemic. <i>Heliyon</i> , 2020, 6, e05712.	1.4	27
23	Replication of Type 2 Diabetes Candidate Genes Variations in Three Geographically Unrelated Indian Population Groups. <i>PLoS ONE</i> , 2013, 8, e58881.	1.1	27
24	X-ray photoelectron spectroscopic investigations of modifications in plasmid DNA after interaction with Hg nanoparticles. <i>Applied Surface Science</i> , 2009, 256, 438-442.	3.1	26
25	Age-related changes in rat testicular oxidative stress parameters by hexachlorocyclohexane. <i>Archives of Toxicology</i> , 1999, 73, 96-107.	1.9	25
26	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, 1047-1054.	1.0	23
27	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. , 1998, 187, 163-172.		22
28	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, 1193-1203.	1.0	22
29	Rat testicular mitochondrial antioxidant defence system and its modulation by aging. <i>Acta Biologica Hungarica</i> , 2008, 59, 413-424.	0.7	21
30	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, 110-120.	2.2	21
31	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.	3.6	19
32	INDUCTION AND PROPERTIES OF PYRUVATE KINASE OF THE CEREBRAL HEMISPHERE OF RATS OF VARIOUS AGES. <i>Journal of Neurochemistry</i> , 1978, 30, 419-427.	2.1	17
33	Title is missing!. <i>BioMetals</i> , 1999, 12, 89-97.	1.8	17
34	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.	2.2	17
35	Acute hexachlorocyclohexane-induced oxidative stress in rat cerebral hemisphere. <i>Neurochemical Research</i> , 1998, 23, 1079-1084.	1.6	16
36	Effect of aluminum on lipid peroxidation of cerebral hemisphere of chick. <i>Bulletin of Environmental Contamination and Toxicology</i> , 1993, 50, 85-91.	1.3	15

#	ARTICLE	IF	CITATIONS
37	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.	1.7	15
38	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, 505-510.	0.9	15
39	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.	1.8	15
40	Constitutional, organopathic and combined homeopathic treatment of benign prostatic hypertrophy: a clinical trial. <i>Homeopathy</i> , 2012, 101, 217-223.	0.5	14
41	Hypothyroidism modulates renal antioxidant gene expression during postnatal development and maturation in rat. <i>General and Comparative Endocrinology</i> , 2012, 178, 8-18.	0.8	14
42	DNA template-driven synthesis of HgTe nanoparticles. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2005, 30, 182-185.	1.3	13
43	Alterations in expression of senescence marker protein-30 gene by 3,3,5-triiodo-l-thyronine (T ₃). <i>Molecular and Cellular Biochemistry</i> , 2007, 303, 239-242.	1.4	13
44	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.	3.6	13
45	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.	1.5	12
46	Neonatal Persistent Exposure to 6-Propylthiouracil, 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.	1.4	9
47	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, 312-318.	2.2	9
48	Age-Related Change in Rat Testicular ATPase Activities in Response to HCH Treatment. <i>Bulletin of Environmental Contamination and Toxicology</i> , 1996, 56, 165-170.	1.3	8
49	Effects of estradiol valerate on the uterus of the musk shrew (<i>Suncus murinus</i> L.). <i>General and Comparative Endocrinology</i> , 1992, 88, 91-99.	0.8	6
50	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.	1.4	4
51	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, 169-178.	0.8	2
52	Effects of Prolactin and Bromocriptine on Physiological Status of Testis of the Musk Shrew (<i>Suncus</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i> <i>der Moschusspitzmaus (Suncus Murinus L.). Andrologia</i> , 2009, 20, 426-432.	1.0	1
53	Testosterone Propionate Induced Changes in Testicular Phosphatases of Musk Shrew (<i>Suncus murinus</i>) <i>Tj ETQq1 1 0.784314 rgBT /Ove</i>	1.0	1