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New Method for Assessment of Serum Catalase Activity

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#	Paper	IF	Citations
56	Electrozymographic evaluation of the attenuation of arsenic induced degradation of hepatic SOD, catalase in an in vitro assay system by pectic polysaccharides of in combination with curcumin. <i>Biochemistry and Biophysics Reports</i> , 2017 , 11, 64-71	2.2	7
55	Neuroprotective effects of silibinin: an in silico and in vitro study. <i>International Journal of Neuroscience</i> , 2018 , 128, 935-945	2	12
54	The consequence of NAC on sodium arsenite-induced uterine oxidative stress. <i>Toxicology Reports</i> , 2018 , 5, 278-287	4.8	20
53	Astaxanthin ameliorates behavioral and biochemical alterations in in-vitro and in-vivo model of neuropathic pain. <i>Neuroscience Letters</i> , 2018 , 674, 162-170	3.3	35
52	New spectrophotometric assay for assessments of catalase activity in biological samples. <i>Analytical Biochemistry</i> , 2018 , 542, 29-33	3.1	24
51	Hypoglycemic Properties of the Aqueous Extract from the Stem Bark of in Dexamethasone-Induced Insulin Resistant Rats. <i>Evidence-based Complementary and Alternative Medicine</i> , 2018 , 2018, 4234981	2.3	9
50	Attenuation of utero-toxicity, metabolic dysfunction and inflammation by soy protein concentrate in rats exposed to fluoridated water: consequence of hyperlipidemia in parallel with hypohomocysteinemia. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 36462-36473	5.1	5
49	Simple spectrophotometric assay for measuring catalase activity in biological tissues. <i>BMC Biochemistry</i> , 2018 , 19, 7	4.8	89
48	Green synthesized selenium nanoparticles using <i>Spermacoce hispida</i> as carrier of s-allyl glutathione: to accomplish hepatoprotective and nephroprotective activity against acetaminophen toxicity. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019 , 47, 56-63	6.1	10
47	(Euphorbiaceae) Restores Ovarian Functions in Letrozole-Induced Polycystic Ovarian Syndrome in Rats. <i>Evidence-based Complementary and Alternative Medicine</i> , 2019 , 2019, 2965821	2.3	15
46	Dietary inorganic nitrate attenuates hyperoxia-induced oxidative stress in obese type 2 diabetic male rats. <i>Life Sciences</i> , 2019 , 230, 188-196	6.8	8
45	Involvement of proinflammatory cytokines and metallothionein in the repairing of arsenic-mediated uterine tissue damage by curcumin. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 2019 , 30,	1.6	1
44	Hypoglycemic effect by assay some glucoregulatory enzymes and hematological parameters using silver nanoparticles of peel <i>Raphanus sativus</i> L aqueas extract in male Rats.. <i>Journal of Physics: Conference Series</i> , 2019 , 1294, 062047	0.3	0
43	The toxicity of non-aged and aged coated silver nanoparticles to the freshwater shrimp. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2019 , 82, 1207-1222	3.2	6
42	Association of Vitamin B, Lactate Dehydrogenase, and Regulation of NF- κ B in the Mitigation of Sodium Arsenite-Induced ROS Generation in Uterine Tissue by Commercially Available Probiotics. <i>Probiotics and Antimicrobial Proteins</i> , 2019 , 11, 30-42	5.5	7
41	Effect of melatonin on arsenic-induced oxidative stress and expression of MT1 and MT2 receptors in the kidney of laboratory mice. <i>Biological Rhythm Research</i> , 2020 , 51, 1216-1230	0.8	3
40	Acidified nitrite improves wound healing in type 2 diabetic rats: Role of oxidative stress and inflammation. <i>Nitric Oxide - Biology and Chemistry</i> , 2020 , 103, 20-28	5	5

39	Galangin Attenuates Isoproterenol-Induced Inflammation and Fibrosis in the Cardiac Tissue of Albino Wistar Rats. <i>Frontiers in Pharmacology</i> , 2020 , 11, 585163	5.6	5
38	Is Salivary Busulfan the Cause of Oral Mucositis and the Changes in Salivary Antioxidant Enzymes After Hematopoietic Cell Transplantation?. <i>Therapeutic Drug Monitoring</i> , 2020 , 42, 565-571	3.2	1
37	Mitigation of arsenic driven utero-ovarian malfunction and changes of apoptotic gene expression by dietary NAC. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 199, 110675	7	4
36	Melatonin attenuates diabetes-induced oxidative stress in spleen and suppression of splenocyte proliferation in laboratory mice. <i>Archives of Physiology and Biochemistry</i> , 2020 , 1-12	2.2	2
35	Synthesis and catalytic activity studies of MnO ₂ nanorods, rutile TiO ₂ and its composite prepared by hydrothermal method. 2020 ,		5
34	Potential role of EphrinA2 receptors in postconditioning induced cardioprotection in rats. <i>European Journal of Pharmacology</i> , 2020 , 883, 173231	5.3	0
33	Dose-Dependent Effects of Long-Term Administration of Hydrogen Sulfide on Myocardial Ischemia-Reperfusion Injury in Male Wistar Rats: Modulation of RKIP, NF- κ B, and Oxidative Stress. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	16
32	New colorimetric method to determine catalase mimic activity. <i>Materials Research Express</i> , 2020 , 7, 025405	4.5	10
31	Effects of perfluorooctanoic acid (PFOA) on the thyroid status, vitellogenin, and oxidant-antioxidant balance in the Murray River rainbowfish. <i>Ecotoxicology</i> , 2020 , 29, 163-174	2.9	4
30	Novel antioxidant astaxanthin-s-allyl cysteine biconjugate diminished oxidative stress and mitochondrial dysfunction to triumph diabetes in rat model. <i>Life Sciences</i> , 2020 , 245, 117367	6.8	8
29	Synthesis, characterization of V ₂ O ₅ nanoparticles and determination of catalase mimetic activity by new colorimetric method. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 145, 297-307	4.1	6
28	Chemopreventive effect of galangin against benzo(a)pyrene-induced stomach tumorigenesis through modulating aryl hydrocarbon receptor in Swiss albino mice. <i>Human and Experimental Toxicology</i> , 2021 , 40, 1434-1444	3.4	1
27	Pesticide exposure and related health problems among farmworkers' children: a case-control study in southeast Iran. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 57216-57231	5.1	1
26	The Correlation between Selenium-Dependent Glutathione Peroxidase Activity and Oxidant/Antioxidant Balance in Sera of Diabetic Patients with Nephropathy. <i>Reports of Biochemistry and Molecular Biology</i> , 2021 , 10, 164-172	1.3	2
25	Hidrojen peroksit dekontaminasyon etkinliđinin belirlenmesine yđelik mikrofluidik katalaz biosensör Mikrobiyal optimizasyon. <i>Etlik Veteriner Mikrobiyoloji Dergisi</i> ,	0	
24	Astaxanthin-s-allyl cysteine diester against high glucose-induced neuronal toxicity in vitro and diabetes-associated cognitive decline in vivo: Effect on p53, oxidative stress and mitochondrial function. <i>NeuroToxicology</i> , 2021 , 86, 114-124	4.4	1
23	Potamopyrgus antipodarum has the potential to detect effects from various land use activities on a freshwater ecosystem. <i>Environmental Pollution</i> , 2021 , 287, 117563	9.3	0
22	Spirulina platensis ameliorates arsenic-mediated uterine damage and ovarian steroidogenic disorder. <i>Facets</i> , 2018 , 3, 736-753	2.3	7

21	In Vitro Protective Effect of Ascorbic Acid Against Antibiotic-Induced Hepatotoxicity. <i>Current Drug Discovery Technologies</i> , 2020 , 17, 357-364	1.5	2
20	Influence of Unilateral Cryptorchidism on Libido, Haematology and Serum Reproductive Hormones, Total Protein, Lipid Profile and Oxidative Stress in West African Dwarf Goats. <i>Open Journal of Veterinary Medicine</i> , 2018 , 08, 187-197	0.3	
19	Comparative Evaluation of Antioxidant Enzymes and Serum Selenium Levels in Libyan Atherosclerotic Patients. <i>Journal of Biosciences and Medicines</i> , 2019 , 07, 51-69	0.2	0
18	Effects of Turmeric (<i>Curcuma longa</i> L.) Supplementation on Blood Urea Nitrogen and Enzyme Activities in Dyslipidemic Rats. <i>Journal of Environmental Science International</i> , 2019 , 28, 475-483	0.2	0
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16	MELATONIN PROTECTS OVARY FROM DIABETES INDUCED OXIDATIVE DAMAGES IN LABORATORY MICE.. 2020 , 1-4		
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13	A Nanostructured Cu(II) Coordination Polymer Based on Alanine as a Trifunctional Mimic Enzyme and Efficient Composite in the Detection of Sphingobacteria.. <i>Bioinorganic Chemistry and Applications</i> , 2022 , 2022, 8788221	4.2	
12	Protective efficacy of melatonin and insulin against LPS caused toxicity in diabetic mice.. <i>Immunopharmacology and Immunotoxicology</i> , 1-15	3.2	
11	Effects of Moderate-Intensity Interval Training on Gene Expression and Antioxidant Status in the Hippocampus of Methamphetamine-Dependent Rats. <i>Neurotoxicity Research</i> ,	4.3	
10	Synthesis and Characterization of Plumbagin S-Allyl Cysteine Ester: Determination of Anticancer Activity In Silico and In Vitro. <i>Applied Biochemistry and Biotechnology</i> ,	3.2	0
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- 3 Tapinanthus dodoneifolius leaf inhibits the activity of carbohydrate digesting enzymes and improves the insulin resistance induced in rats by dexamethasone. **2023**, 18, 100238 ○
- 2 Dual antidiabetic and antihypertensive activity of fucoxanthin isolated from Sargassum wightii Greville in in vivo rat model. **2023**, 12, 1693-1700 ○
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