

Nuriye Nuray Ulusu

List of Publications by Year in descending order

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77
papers

1,452
citations

304368

22
h-index

414034

32
g-index

78
all docs

78
docs citations

78
times ranked

1473
citing authors

#	ARTICLE	IF	CITATIONS
1	Pentose phosphate pathway, glutathione-dependent enzymes and antioxidant defense during oxidative stress in diabetic rodent brain and peripheral organs: effects of stobadine and vitamin E. <i>Neurochemical Research</i> , 2003, 28, 815-823.	1.6	114
2	Disorders of Lipid Metabolism in Chronic Kidney Disease. <i>Blood Purification</i> , 2018, 46, 144-152.	0.9	95
3	In vivo treatment with stobadine prevents lipid peroxidation, protein glycation and calcium overload but does not ameliorate Ca ²⁺ -ATPase activity in heart and liver of streptozotocin-diabetic rats: comparison with vitamin E. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2002, 1588, 71-78.	1.8	56
4	Abietic acid inhibits lipoxygenase activity. <i>Phytotherapy Research</i> , 2002, 16, 88-90.	2.8	47
5	Impact of the Di(2-Ethylhexyl) Phthalate Administration on Trace Element and Mineral Levels in Relation of Kidney and Liver Damage in Rats. <i>Biological Trace Element Research</i> , 2018, 186, 474-488.	1.9	45
6	Evolution of Enzyme Kinetic Mechanisms. <i>Journal of Molecular Evolution</i> , 2015, 80, 251-257.	0.8	41
7	Synthesis and characterization of a triple enzyme-inorganic hybrid nanoflower (TrpE@ihNF) as a combination of three pancreatic digestive enzymes amylase, protease and lipase. <i>Journal of Bioscience and Bioengineering</i> , 2020, 129, 679-686.	1.1	39
8	Is glucose-6-phosphate dehydrogenase enzyme deficiency a factor in Coronavirus-19 (COVID-19) infections and deaths?. <i>Pathogens and Global Health</i> , 2020, 114, 109-110.	1.0	37
9	Purification and kinetic properties of glutathione reductase from bovine liver. <i>Molecular and Cellular Biochemistry</i> , 2007, 303, 45-51.	1.4	36
10	A new substrate for glutathione reductase: Glutathione coated Ag ₂ S quantum dots. <i>Talanta</i> , 2019, 194, 501-506.	2.9	36
11	Correspondence: Angiotensin-converting enzyme 2 coated nanoparticles containing respiratory masks, chewing gums and nasal filters may be used for protection against COVID-19 infection. <i>Travel Medicine and Infectious Disease</i> , 2020, 37, 101697.	1.5	33
12	Beneficial Effects of Selenium on Some Enzymes of Diabetic Rat Heart. <i>Biological Trace Element Research</i> , 2005, 103, 207-216.	1.9	32
13	Selenium Treatment Protects Diabetes-Induced Biochemical and Ultrastructural Alterations in Liver Tissue. <i>Biological Trace Element Research</i> , 2005, 105, 135-150.	1.9	32
14	A rapid method for the purification of glucose-6-phosphate dehydrogenase from bovine lens. <i>International Journal of Biochemistry and Cell Biology</i> , 1999, 31, 787-796.	1.2	31
15	Gender related differential effects of Omega-3E treatment on diabetes-induced left ventricular dysfunction. <i>Molecular and Cellular Biochemistry</i> , 2007, 304, 255-263.	1.4	31
16	Purification and kinetics of sheep kidney cortex glucose-6-phosphate dehydrogenase. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2006, 143, 249-255.	0.7	29
17	The inhibition kinetics of yeast glutathione reductase by some metal ions. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2007, 22, 489-495.	2.5	29
18	STOBADINE PROTECTS RAT KIDNEY AGAINST ISCHAEMIA/REPERFUSION INJURY. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2007, 34, 210-216.	0.9	29

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19	Glucose-6-phosphate dehydrogenase deficiency and Alzheimer's disease: Partners in crime? The hypothesis. <i>Medical Hypotheses</i> , 2015, 85, 219-223.	0.8	29
20	A Comparative Study on Effect of Dietary Selenium and Vitamin E on Some Antioxidant Enzyme Activities of Liver and Brain Tissues. <i>Biological Trace Element Research</i> , 2001, 81, 141-152.	1.9	27
21	The effect of taurine on renal ischemia/reperfusion injury. <i>Amino Acids</i> , 2007, 32, 405-411.	1.2	27
22	Commentary: Challenges for PhD students during COVID-19 pandemic: Turning crisis into an opportunity. <i>Biochemistry and Molecular Biology Education</i> , 2020, 48, 428-429.	0.5	26
23	Kinetic properties of glucose-6-phosphate dehydrogenase from lamb kidney cortex. <i>Biochimie</i> , 2005, 87, 187-190.	1.3	25
24	<i>In vitro</i> effects of rosmarinic acid on glutathione reductase and glucose 6-phosphate dehydrogenase. <i>Pharmaceutical Biology</i> , 2011, 49, 587-594.	1.3	24
25	Evaluation of the biocompatibility of the GSH-coated Ag2S quantum dots in vitro: a perfect example for the non-toxic optical probes. <i>Molecular Biology Reports</i> , 2020, 47, 4117-4129.	1.0	24
26	Effects of butylparaben on antioxidant enzyme activities and histopathological changes in rat tissues. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2019, 70, 315-324.	0.4	22
27	Curious Cases of the Enzymes / NeobiÄa Istorija Enzima. <i>Journal of Medical Biochemistry</i> , 2015, 34, 271-281.	0.7	20
28	Data the DEHP induced changes on the trace element and mineral levels in the brain and testis tissues of rats. <i>Data in Brief</i> , 2019, 26, 104526.	0.5	19
29	<i>In vitro</i> interaction of glutathione S-transferase enzyme with glutathione-coated silver sulfide quantum dots: A novel method for biodetection of glutathione S-transferase enzyme. <i>Chemical Biology and Drug Design</i> , 2019, 94, 2094-2102.	1.5	19
30	Comment on the: Molecular mechanism of CAT and SOD activity change under MPA-CdTe quantum dots induced oxidative stress in the mouse primary hepatocytes (<i>Spectrochim Acta A Mol Biomol Spectrosc.</i>) <i>Tj ETQq0 0,0 rgBT /Overlock 10</i> 229, 117792.	2.0	18
31	Inhibition of Glutathione Reductase by Cadmium Ion in Some Rabbit Tissues and the Protective Role of Dietary Selenium. <i>Biological Trace Element Research</i> , 2003, 91, 151-156.	1.9	17
32	COVID-19 may enhance risk of thrombosis and hemolysis in the G6PD deficient patients. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2021, 40, 505-517.	0.4	17
33	Total Calcium Content of Sacs Associated with Inguinal Hernia, Hydrocele or Undescended Testis Reflects Differences Dictated by Programmed Cell Death. <i>Urologia Internationalis</i> , 2003, 70, 211-215.	0.6	16
34	Glucose-6-phosphate dehydrogenase a novel hope on a blood-based diagnosis of Alzheimer's disease. <i>Acta Neurologica Belgica</i> , 2017, 117, 229-234.	0.5	16
35	Less Calcium in Cremaster Muscles of Boys with Undescended Testis Supports a Deficiency in Sympathetic Innervation. <i>Urologia Internationalis</i> , 2002, 69, 111-115.	0.6	15
36	Effects of rosiglitazone treatment on the pentose phosphate pathway and glutathione-dependent enzymes in liver and kidney of rats fed a high-fat diet. <i>Current Therapeutic Research</i> , 2004, 65, 79-89.	0.5	14

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37	A Turkish 3-center study evaluation of serum folic acid and vitamin B12 levels in Alzheimer disease. Turkish Journal of Medical Sciences, 2015, 45, 1159-1166.	0.4	14
38	Inhibition of purified bovine liver glutathione reductase with some metal ions. Journal of Enzyme Inhibition and Medicinal Chemistry, 2010, 25, 68-73.	2.5	13
39	Dataset of the analyzing trace elements and minerals via ICP-MS: Method validation for the mammalian tissue and serum samples. Data in Brief, 2020, 29, 105218.	0.5	13
40	Importance of the serum biochemical parameters as potential biomarkers for rapid diagnosis and evaluating preclinical stage of ALS. Medical Hypotheses, 2020, 141, 109736.	0.8	13
41	Comparison of Spectrophotometric and Fluorimetric Methods in Evaluation of Biotinidase Deficiency. Journal of Medical Biochemistry, 2016, 35, 123-129.	0.7	13
42	Rosiglitazone-induced changes in the oxidative stress metabolism and fatty acid composition in relation with trace element status in the primary adipocytes. Journal of Medical Biochemistry, 2019, 39, 267-275.	0.7	13
43	Effects of vitamin E on microsomal Ca ²⁺ -ATPase activity and calcium levels in streptozotocin-induced diabetic rat kidney. Cell Biochemistry and Function, 2003, 21, 177-182.	1.4	12
44	Circadian Variations in the Activities of 6-Phosphogluconate Dehydrogenase and Glucose-6-Phosphate Dehydrogenase in the Liver of Control and Streptozotocin-Induced Diabetic Rats. Chronobiology International, 2005, 22, 667-677.	0.9	12
45	Influence of Lifestyle Parameters "Dietary Habit, Chronic Stress and Environmental Factors, Jobs" on the Human Health in Relation to the COVID-19 Pandemic. Disaster Medicine and Public Health Preparedness, 2020, 14, e36-e37.	0.7	12
46	Protective Effects of Antioxidant Chlorophyllin in Chemically Induced Breast Cancer Model In vivo. Biological Trace Element Research, 2021, 199, 4475-4488.	1.9	12
47	Effects of cadmium and zinc ions on purified lamb kidney cortex glucose-6-phosphate dehydrogenase activity. Journal of Enzyme Inhibition and Medicinal Chemistry, 2006, 21, 225-230.	2.5	11
48	Long-term treatment with a beta-blocker timolol attenuates renal-damage in diabetic rats via enhancing kidney antioxidant-defense system. Molecular and Cellular Biochemistry, 2014, 395, 177-186.	1.4	11
49	Purification and Kinetics of Bovine Kidney Cortex Glutathione Reductase. Protein and Peptide Letters, 2010, 17, 667-674.	0.4	10
50	A Comparative Study with Colchicine on Glutathione Reductase. Protein Journal, 2010, 29, 380-385.	0.7	10
51	Antioxidant SMe1EC2 modulates pentose phosphate pathway and glutathione-dependent enzyme activities in tissues of aged diabetic rats. Interdisciplinary Toxicology, 2017, 10, 148-154.	1.0	10
52	Influence of the butylparaben administration on the oxidative stress metabolism of liver, kidney and spleen. Turkish Journal of Biochemistry, 2020, 45, 689-694.	0.3	10
53	Correspondence: Importance of the validated serum biochemistry and hemogram parameters for rapid diagnosis and to prevent false negative results during COVID-19 pandemic. Biotechnology and Applied Biochemistry, 2021, 68, 390-391.	1.4	9
54	People with blood disorders can be more vulnerable during COVID-19 pandemic: A hypothesis paper. Transfusion and Apheresis Science, 2021, 60, 103080.	0.5	9

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55	COMPARATIVE IN VITRO EFFECTS OF SOME METAL IONS ON BOVINE KIDNEY CORTEX GLUTATHIONE REDUCTASE. <i>Preparative Biochemistry and Biotechnology</i> , 2010, 40, 405-411.	1.0	8
56	Effects of donepezil on liver and kidney functions for the treatment of Alzheimer's disease. <i>Journal of Integrative Neuroscience</i> , 2018, 16, 335-346.	0.8	8
57	Hitit Index to distinguish patients with and without Crimean-Congo hemorrhagic fever. <i>Ticks and Tick-borne Diseases</i> , 2019, 10, 1035-1040.	1.1	7
58	Protective effects of <i>Lactobacillus delbrueckii</i> subsp. <i>bulgaricus</i> B3 on intestinal enzyme activities after abdominal irradiation in rats. <i>Nutrition Research</i> , 2007, 27, 300-305.	1.3	6
59	Evaluation of Renal Function in Alzheimer's Disease and Geriatric Patients: Results from a Turkish Two-Center Study. <i>Journal of Medical Biochemistry</i> , 2017, 36, 54-61.	0.7	6
60	Effect of vitamin D supplementation on OPG/RANKL signalling activities in endothelial tissue damage in diet-induced diabetic rat model. <i>Pharmacological Reports</i> , 2022, 74, 124-134.	1.5	6
61	Effects of timolol treatment on pancreatic antioxidant enzymes in streptozotocin-induced diabetic rats: An experimental and computational study. <i>Journal of Medical Biochemistry</i> , 2019, 38, 306-316.	0.7	5
62	Identifying and solving scientific problems in the medicine: key to become a competent scientist. <i>Turkish Journal of Biochemistry</i> , 2020, 45, 225-227.	0.3	4
63	In vitro effects of compounds isolated from <i>Sideritis brevibracteata</i> on bovine kidney cortex glutathione reductase. <i>Acta Biochimica Polonica</i> , 2011, 58, 471-5.	0.3	4
64	Combined resveratrol and vitamin D treatment ameliorate inflammation-related liver fibrosis, ER stress, and apoptosis in a high-fructose diet/streptozotocin-induced T2DM model. <i>Histochemistry and Cell Biology</i> , 2022, 158, 279-296.	0.8	4
65	Sarco(endo)plasmic reticulum and plasmalemmal Ca ²⁺ -ATPase activities in cremaster muscles and sacs differ according to the associated inguinal pathology. <i>Cell Biochemistry and Function</i> , 2007, 25, 515-519.	1.4	3
66	Evaluation of the Effects of Aging on the Aorta Stiffness in Relation with Mineral and Trace Element Levels: an Optimized Method via Custom-Built Stretcher Device. <i>Biological Trace Element Research</i> , 2021, 199, 2644-2652.	1.9	3
67	Impact of the surface modifications and cell culture techniques on the biomechanical properties of PDMS in relation to cell growth behavior. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2022, 71, 886-897.	1.8	3
68	Impact of the Amyotrophic Lateral Sclerosis Disease on the Biomechanical Properties and Oxidative Stress Metabolism of the Lung Tissue Correlated With the Human Mutant SOD1G93A Protein Accumulation. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 810243.	2.0	3
69	In Vitro Effects of Isoorientin, Forsythoside B, and Verbascoside on Bovine Kidney Cortex Glutathione Reductase. <i>International Journal of Chemical Kinetics</i> , 2013, 45, 574-579.	1.0	2
70	Effects of alprazolam and haloperidol on thyroglobulin, antithyroglobulin, anti thyroid peroxidase and TSH in Rat. <i>Biyokimya Dergisi</i> , 2018, 43, 57-63.	0.1	1
71	Kinetic mechanism and some properties of glucose-6-phosphate dehydrogenase from sheep brain cortex. <i>Turkish Journal of Biochemistry</i> , 2012, 37, 340-347.	0.3	1
72	Current publishing system. <i>Turkish Journal of Biochemistry</i> , 2012, 37, 215-216.	0.3	1

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73	The role of biotin metabolism in the COVID-19 infection. Turkish Journal of Biochemistry, 2020, 45, 671-672.	0.3	1
74	Effects of treatment with haloperidol and clozapine on the plasma concentrations of thyroid hormones in rats. Endocrine Regulations, 2020, 54, 71-76.	0.5	1
75	Evaluation of the Cell Behavior and Growth Characteristics of the Porcine Dermal Xenograft Patch in Relation to the Surface Properties. Frontiers in Bioengineering and Biotechnology, 0, 10, .	2.0	1
76	Cornerstones of biochemistry in stamps / Pullarda biyokimyanın temel taşları. Turkish Journal of Biochemistry, 2016, 41, .	0.3	0
77	Possible mechanisms of transmissible cancers in Tasmanian devils. Turkish Journal of Biochemistry, 2017, 42, 241-244.	0.3	0