

Nuran Ercal

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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.

86
papers

3,753
citations

36
h-index

59
g-index

90
ext. papers

4,075
ext. citations

4.3
avg, IF

5.19
L-index

#	Paper	IF	Citations
86	Can antioxidants be beneficial in the treatment of lead poisoning?. <i>Free Radical Biology and Medicine</i> , 2000 , 29, 927-45	7.8	409
85	Antioxidant effects of N-acetylcysteine and succimer in red blood cells from lead-exposed rats. <i>Toxicology</i> , 1998 , 128, 181-9	4.4	173
84	HIV-1 viral proteins gp120 and Tat induce oxidative stress in brain endothelial cells. <i>Brain Research</i> , 2005 , 1045, 57-63	3.7	143
83	In vivo indices of oxidative stress in lead-exposed C57BL/6 mice are reduced by treatment with meso-2,3-dimercaptosuccinic acid or N-acetylcysteine. <i>Free Radical Biology and Medicine</i> , 1996 , 21, 157-61	7.8	128
82	Drying effects on the antioxidant properties of tomatoes and ginger. <i>Food Chemistry</i> , 2015 , 173, 156-62	8.5	111
81	Biologically important thiols in various vegetables and fruits. <i>Journal of Agricultural and Food Chemistry</i> , 2004 , 52, 8151-4	5.7	107
80	Nicotine enantiomers and oxidative stress. <i>Toxicology</i> , 1998 , 130, 155-65	4.4	94
79	Effects of N-acetylcysteine amide (NACA), a novel thiol antioxidant against glutamate-induced cytotoxicity in neuronal cell line PC12. <i>Brain Research</i> , 2005 , 1056, 132-8	3.7	93
78	Extra virgin olive oil improves learning and memory in SAMP8 mice. <i>Journal of Alzheimer's Disease</i> , 2012 , 28, 81-92	4.3	91
77	HIV proteins (gp120 and Tat) and methamphetamine in oxidative stress-induced damage in the brain: potential role of the thiol antioxidant N-acetylcysteine amide. <i>Free Radical Biology and Medicine</i> , 2010 , 48, 1388-98	7.8	91
76	A novel antioxidant N-acetylcysteine amide prevents gp120- and Tat-induced oxidative stress in brain endothelial cells. <i>Experimental Neurology</i> , 2006 , 201, 193-202	5.7	90
75	D-amino acid levels in human physiological fluids. <i>Chirality</i> , 1993 , 5, 375-8	2.1	90
74	The blood-brain barrier in neuroAIDS. <i>Current HIV Research</i> , 2006 , 4, 259-66	1.3	84
73	Antioxidant and free radical scavenging properties of N-acetylcysteine amide (NACA) and comparison with N-acetylcysteine (NAC). <i>Free Radical Research</i> , 2008 , 42, 372-7	4	83
72	Antioxidant role of alpha-lipoic acid in lead toxicity. <i>Free Radical Biology and Medicine</i> , 1999 , 27, 75-81	7.8	78
71	N-Acetylcysteine amide protects against methamphetamine-induced oxidative stress and neurotoxicity in immortalized human brain endothelial cells. <i>Brain Research</i> , 2009 , 1275, 87-95	3.7	77
70	Antioxidant role of N-acetyl cysteine isomers following high dose irradiation. <i>Free Radical Biology and Medicine</i> , 2003 , 34, 689-95	7.8	69

69	Highly active antiretroviral therapy drug combination induces oxidative stress and mitochondrial dysfunction in immortalized human blood-brain barrier endothelial cells. <i>Free Radical Biology and Medicine</i> , 2011 , 50, 801-10	7.8	64
68	Acute and subacute pulmonary toxicity and mortality in mice after intratracheal instillation of ZnO nanoparticles in three laboratories. <i>Food and Chemical Toxicology</i> , 2015 , 85, 84-95	4.7	62
67	Enantiomeric composition of nicotine in smokeless tobacco, medicinal products, and commercial reagents. <i>Chirality</i> , 1998 , 10, 587-591	2.1	55
66	Effect of alpha-lipoic acid on memory, oxidation, and lifespan in SAMP8 mice. <i>Journal of Alzheimer's Disease</i> , 2012 , 32, 447-55	4.3	54
65	Pro-oxidant effects of delta-aminolevulinic acid (delta-ALA) on Chinese hamster ovary (CHO) cells. <i>Toxicology Letters</i> , 1997 , 91, 169-78	4.4	54
64	Effects of N-acetylcysteine and 2,3-dimercaptosuccinic acid on lead induced oxidative stress in rat lenses. <i>Toxicology</i> , 1998 , 130, 167-74	4.4	47
63	Potential of lead-induced cell death in PC12 cells by glutamate: protection by N-acetylcysteine amide (NACA), a novel thiol antioxidant. <i>Toxicology and Applied Pharmacology</i> , 2006 , 216, 197-205	4.6	47
62	N-acetylcysteine amide (NACA) prevents retinal degeneration by up-regulating reduced glutathione production and reversing lipid peroxidation. <i>American Journal of Pathology</i> , 2011 , 178, 2032-43	5.8	43
61	Effects of N-acetylcysteine on lead-exposed PC-12 cells. <i>Archives of Environmental Contamination and Toxicology</i> , 2005 , 49, 119-23	3.2	43
60	Measurement of glutathione, glutathione disulfide, and other thiols in mammalian cell and tissue homogenates using high-performance liquid chromatography separation of N-(1-pyrenyl)maleimide derivatives. <i>Methods in Enzymology</i> , 1999 , 299, 258-67	1.7	41
59	N-acetylcysteine protects Chinese hamster ovary (CHO) cells from lead-induced oxidative stress. <i>Toxicology</i> , 1996 , 108, 57-64	4.4	41
58	Effects of N-acetylcysteine amide (NACA), a thiol antioxidant on radiation-induced cytotoxicity in Chinese hamster ovary cells. <i>Life Sciences</i> , 2008 , 82, 1122-30	6.8	40
57	Oxidative stress in a phenylketonuria animal model. <i>Free Radical Biology and Medicine</i> , 2002 , 32, 906-11	7.8	40
56	Separation and quantification of N-acetyl-L-cysteine and N-acetyl-cysteine-amide by HPLC with fluorescence detection. <i>Biomedical Chromatography</i> , 2006 , 20, 415-22	1.7	39
55	Copper complexing decreases the ability of amyloid beta peptide to cross the BBB and enter brain parenchyma. <i>Peptides</i> , 2007 , 28, 1424-32	3.8	39
54	Pharmacological inhibition of mitochondrial carbonic anhydrases protects mouse cerebral pericytes from high glucose-induced oxidative stress and apoptosis. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2013 , 344, 637-45	4.7	37
53	Determination of glutathione disulfide levels in biological samples using thiol-disulfide exchanging agent, dithiothreitol. <i>Biomedical Chromatography</i> , 2009 , 23, 119-23	1.7	37
52	Simultaneous determination of 3-nitro tyrosine, o-, m-, and p-tyrosine in urine samples by liquid chromatography-ultraviolet absorbance detection with pre-column cloud point extraction. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004 , 803, 321-9	3.2	37

51	Determination of captopril in biological samples by high-performance liquid chromatography with ThioGlo 3 derivatization. <i>Biomedical Chromatography</i> , 2001 , 15, 427-32	1.7	37
50	N-acetylcysteine amide, a promising antidote for acetaminophen toxicity. <i>Toxicology Letters</i> , 2016 , 241, 133-42	4.4	35
49	Effects of a growth hormone-releasing hormone antagonist on telomerase activity, oxidative stress, longevity, and aging in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 22272-7	11.5	35
48	Biologically important thiols in aqueous extracts of spices and evaluation of their in vitro antioxidant properties. <i>Food Chemistry</i> , 2010 , 118, 589-593	8.5	35
47	Stereochemistry of pipercolic acid found in the urine and plasma of subjects with peroxisomal deficiencies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1993 , 11, 881-6	3.5	35
46	Characterizing N-acetylcysteine (NAC) and N-acetylcysteine amide (NACA) binding for lead poisoning treatment. <i>Journal of Colloid and Interface Science</i> , 2012 , 371, 144-9	9.3	33
45	Inflammatory responses to pulmonary application of PEI-based siRNA nanocarriers in mice. <i>Biomaterials</i> , 2011 , 32, 8694-701	15.6	33
44	Effects of Lead and Cadmium on Brain Endothelial Cell Survival, Monolayer Permeability, and Crucial Oxidative Stress Markers in an in Vitro Model of the Blood-Brain Barrier. <i>Toxics</i> , 2014 , 2, 258-275	4.7	32
43	N-acetylcysteineamide (NACA) prevents inflammation and oxidative stress in animals exposed to diesel engine exhaust. <i>Toxicology Letters</i> , 2009 , 187, 187-93	4.4	32
42	In vivo inhibition of l-buthionine-(S,R)-sulfoximine-induced cataracts by a novel antioxidant, N-acetylcysteine amide. <i>Free Radical Biology and Medicine</i> , 2011 , 50, 722-9	7.8	31
41	Effects of some sulfur-containing antioxidants on lead-exposed lenses. <i>Free Radical Biology and Medicine</i> , 1999 , 26, 239-43	7.8	31
40	Comparative evaluation of N-acetylcysteine (NAC) and N-acetylcysteine amide (NACA) on glutamate and lead-induced toxicity in CD-1 mice. <i>Toxicology Letters</i> , 2011 , 201, 1-7	4.4	29
39	Glutathione is essential for early embryogenesis--analysis of a glutathione synthetase knockout mouse. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 412, 121-6	3.4	28
38	High performance liquid chromatography analysis of 2-mercaptoethylamine (cysteamine) in biological samples by derivatization with N-(1-pyrenyl) maleimide (NPM) using fluorescence detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008 , 843, 57-62	3.2	28
37	Oxidative effects of Tartrazine (CAS No. 1934-21-0) and New Coccin (CAS No. 2611-82-7) azo dyes on CHO cells. <i>Journal Fur Verbraucherschutz Und Lebensmittelsicherheit</i> , 2012 , 7, 229-236	2.3	27
36	Captopril as an antioxidant in lead-exposed Fischer 344 rats. <i>Human and Experimental Toxicology</i> , 1999 , 18, 27-32	3.4	26
35	N-acetylcysteineamide protects against manganese-induced toxicity in SHSY5Y cell line. <i>Brain Research</i> , 2015 , 1608, 157-66	3.7	25
34	Disruption of the integrity and function of brain microvascular endothelial cells in culture by exposure to diesel engine exhaust particles. <i>Toxicology Letters</i> , 2013 , 220, 1-7	4.4	25

33	N-acetyl-L-cysteine protects against delta-aminolevulinic acid-induced 8-hydroxydeoxyguanosine formation. <i>Toxicology Letters</i> , 1999 , 106, 41-7	4.4	25
32	High performance liquid chromatography analysis of D-penicillamine by derivatization with N-(1-pyrenyl)maleimide (NPM). <i>Biomedical Chromatography</i> , 2000 , 14, 535-40	1.7	24
31	RESOLUTION OF CHIRAL THIOL COMPOUNDS DERIVATIZED WITH N-(1-PYRENYL)-MALEIMIDE AND THIOGLOB. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2000 , 23, 1941-1952	1.3	24
30	In vitro study of the metabolic effects of D-amino acids. <i>Chirality</i> , 1996 , 8, 24-9	2.1	23
29	Comparative evaluation of N-acetylcysteine and N-acetylcysteineamide in acetaminophen-induced hepatotoxicity in human hepatoma HepaRG cells. <i>Experimental Biology and Medicine</i> , 2015 , 240, 261-72	3.7	22
28	Nitrative stress in cerebral endothelium is mediated by mGluR5 in hyperhomocysteinemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012 , 32, 825-34	7.3	21
27	Antioxidant potential of <i>Sutherlandia frutescens</i> and its protective effects against oxidative stress in various cell cultures. <i>BMC Complementary and Alternative Medicine</i> , 2014 , 14, 271	4.7	20
26	Impact of food disinfection on beneficial biothiol contents in vegetables. <i>Journal of Agricultural and Food Chemistry</i> , 2005 , 53, 9830-40	5.7	20
25	High performance liquid chromatography analysis of MESNA (2-mercaptoethane sulfonate) in biological samples using fluorescence detection. <i>Biomedical Chromatography</i> , 2005 , 19, 80-6	1.7	20
24	Effect of Nanodiamond Surface Chemistry on Adsorption and Release of Tiopronin. <i>Diamond and Related Materials</i> , 2019 , 100,	3.5	17
23	Prevention and reversal of selenite-induced cataracts by N-acetylcysteine amide in Wistar rats. <i>BMC Ophthalmology</i> , 2017 , 17, 54	2.3	16
22	Impact of food disinfection on beneficial biothiol contents in strawberry. <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 10414-21	5.7	16
21	Effects of selenocystine on lead-exposed Chinese hamster ovary (CHO) and PC-12 cells. <i>Toxicology and Applied Pharmacology</i> , 2006 , 214, 136-43	4.6	15
20	Liquid chromatography analysis of N-(2-mercaptopropionyl)-glycine in biological samples by ThioGlo 3 derivatization. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004 , 807, 251-6	3.2	15
19	Analysis of thiol-containing compounds in biological samples by capillary zone electrophoresis. <i>Biomedical Chromatography</i> , 1996 , 10, 15-8	1.7	13
18	Pulmonary DWCNT exposure causes sustained local and low-level systemic inflammatory changes in mice. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013 , 84, 412-20	5.7	12
17	Medicinal Thiols: Current Status and New Perspectives. <i>Mini-Reviews in Medicinal Chemistry</i> , 2020 , 20, 513-529	3.2	11
16	Protective Effect of Topiramate on Hyperglycemia-Induced Cerebral Oxidative Stress, Pericyte Loss and Learning Behavior in Diabetic Mice 2015 , 1, 6-12		8

15	Postharvest application of thiol compounds affects surface browning and antioxidant activity of fresh-cut potatoes. <i>Journal of Food Biochemistry</i> , 2020 , 44, e13378	3.3	7
14	Protective effects of tiopronin on oxidatively challenged human lung carcinoma cells (A549). <i>Free Radical Research</i> , 2020 , 54, 319-329	4	5
13	The effects of Toradol on postoperative intimal hyperplasia in a rat carotid endarterectomy model: laboratory research. <i>Vascular and Endovascular Surgery</i> , 2007 , 41, 402-8	1.4	4
12	Glutamine protects Chinese hamster ovary cells from radiation killing. <i>Life Sciences</i> , 1994 , 55, 713-20	6.8	4
11	Simultaneous determination of tiopronin and its primary metabolite in plasma and ocular tissues by HPLC. <i>Biomedical Chromatography</i> , 2019 , 33, e4375	1.7	4
10	Release of N-acetylcysteine and N-acetylcysteine amide from contact lenses. <i>Eye and Contact Lens</i> , 2013 , 39, 335-40	3.2	3
9	Sub-chronic lead exposure alters kidney proteome profiles. <i>Human and Experimental Toxicology</i> , 2011 , 30, 1616-25	3.4	3
8	Development of a HPLC-MS/MS method for assessment of thiol redox status in human tear fluids. <i>Analytical Biochemistry</i> , 2021 , 629, 114295	3.1	2
7	Alcohol as a potential contributing factor in radiation complications. <i>Clinical Advances in Hematology and Oncology</i> , 2009 , 7, 257-62	0.6	2
6	Liposomal-delivery of phosphodiesterase 5 inhibitors augments UT-15C-stimulated ATP release from human erythrocytes. <i>Biochemistry and Biophysics Reports</i> , 2017 , 12, 114-119	2.2	1
5	Continuous measurement of reactive oxygen species inside and outside of a residential house during summer. <i>Indoor Air</i> , 2021 , 31, 1199-1216	5.4	1
4	Genotype, Age, Genetic Background, and Sex Influence Epha2-Related Cataract Development in Mice 2021 , 62, 3		1
3	The protective effect of N-acetylcysteine amide against paraquat-induced neurotoxicity. <i>Turkish Journal of Chemistry</i> , 2019 , 43, 39-49	1	0
2	Thiol antioxidants protect human lens epithelial (HLE B-3) cells against -butyl hydroperoxide-induced oxidative damage and cytotoxicity.. <i>Biochemistry and Biophysics Reports</i> , 2022 , 29, 101213	2.2	0
1	Liposomal Delivery of a Phosphodiesterase 5 Inhibitor Enhances Prostacyclin-Mediated Adenosine Triphosphate Release from Human Red Blood Cells. <i>Blood</i> , 2016 , 128, 4803-4803	2.2	