Hande Gurer-Orhan

List of Publications by Year
in descending order

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44 papers	3,855 citations	236612 25 h-index	315357 38 g-index
47 all docs	47 docs citations	47 times ranked	5527 citing authors

#	Article	IF	Citations
1	Toxic Metals and Oxidative Stress Part I: Mechanisms Involved in Me-tal induced Oxidative Damage. Current Topics in Medicinal Chemistry, 2001, 1, 529-539.	1.0	1,573
2	Can antioxidants be beneficial in the treatment of lead poisoning?. Free Radical Biology and Medicine, 2000, 29, 927-945.	1.3	478
3	Correlation between clinical indicators of lead poisoning and oxidative stress parameters in controls and lead-exposed workers. Toxicology, 2004, 195, 147-154.	2.0	258
4	Antioxidant effects of N-acetylcysteine and succimer in red blood cells from lead-exposed rats. Toxicology, 1998, 128, 181-189.	2.0	188
5	Antioxidant Effect of Taurine Against Lead-Induced Oxidative Stress. Archives of Environmental Contamination and Toxicology, 2001, 41, 397-402.	2.1	142
6	Detection of Reactive Oxygen and Nitrogen Species by Electron Paramagnetic Resonance (EPR) Technique. Molecules, 2017, 22, 181.	1.7	98
7	Antioxidant role of Î±-lipoic acid in lead toxicity. Free Radical Biology and Medicine, 1999, 27, 75-81.	1.3	95
8	Misincorporation of free m-tyrosine into cellular proteins: a potential cytotoxic mechanism for oxidized amino acids. Biochemical Journal, 2006, 395, 277-284.	1.7	80
9	The Role of Oxidative Stress Modulators in Breast Cancer. Current Medicinal Chemistry, 2018, 25, 4084-4101.	1.2	78
10	Development, characterization, and in vivo assessment of mucoadhesive nanoparticles containing fluconazole for the local treatment of oral candidiasis. International Journal of Nanomedicine, 2016, 11, 2641.	3.3	72
11	Preventive effect of aminoguanidine compared to vitamin E and C on cisplatin-induced nephrotoxicity in rats. Experimental and Toxicologic Pathology, 2009, 61, 23-32.	2.1	67
12	Novel Indole-Based Analogs of Melatonin: Synthesis and in Vitro Antioxidant Activity Studies. Molecules, 2010, 15, 2187-2202.	1.7	59
13	Pro-oxidant effects of Î´-aminolevulinic acid (Î´-ALA) on Chinese hamster ovary (CHO) cells. Toxicology Letters, 1997, 91, 169-178.	0.4	57
14	Effects of N-acetylcysteine and 2,3-dimercaptosuccinic acid on lead induced oxidative stress in rat lenses. Toxicology, 1998, 130, 167-174.	2.0	50
15	Oxidative stress in a phenylketonuria animal model. Free Radical Biology and Medicine, 2002, 32, 906-911.	1.3	50
16	Novel indole-based melatonin analogues: Evaluation of antioxidant activity and protective effect against amyloid Î²-induced damage. Bioorganic and Medicinal Chemistry, 2016, 24, 1658-1664.	1.4	46
17	Synthesis and evaluation of antioxidant activity of new quinoline-2-carbaldehyde hydrazone derivatives: bioisosteric melatonin analogues. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 121-125.	2.5	44
18	Melatonin, its Metabolites and its Synthetic Analogs as Multi-Faceted Compounds: Antioxidant, Prooxidant and Inhibitor of Bioactivation Reactions. Current Medicinal Chemistry, 2014, 22, 490-499.	1.2	36

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19	Effects of some sulfur-containing antioxidants on lead-exposed lenses. Free Radical Biology and Medicine, 1999, 26, 239-243.	1.3	35
20	Formulation and evaluation of fluconazole loaded oral strips for local treatment of oral candidiasis. Journal of Drug Delivery Science and Technology, 2019, 49, 615-621.	1.4	32
21	Involvement of NRF2 in Breast Cancer and Possible Therapeutical Role of Polyphenols and Melatonin. Molecules, 2021, 26, 1853.	1.7	31
22	Synthesis and evaluation ofin vitroantioxidant capacities of some benzimidazole derivatives. Journal of Enzyme Inhibition and Medicinal Chemistry, 2006, 21, 241-247.	2.5	28
23	Some nonylphenol isomers show antiestrogenic potency in the MVLN cell assay. Toxicology in Vitro, 2010, 24, 129-134.	1.1	28
24	Effective topical delivery systems for corticosteroids: dermatological and histological evaluations. Drug Delivery, 2016, 23, 1-12.	2.5	27
25	Correlation between plasma malondialdehyde and ceruloplasmin activity values in rheumatoid arthritis. Clinical Biochemistry, 1995, 28, 193-194.	0.8	26
26	Application of lipid peroxidation and protein oxidation biomarkers for oxidative damage in mammalian cells. A comparison with two fluorescent probes. Toxicology in Vitro, 2006, 20, 1005-1013.	1.1	25
27	Antioxidant activity of indole-based melatonin analogues in erythrocytes and their voltammetric characterization. Journal of Enzyme Inhibition and Medicinal Chemistry, 2013, 28, 1143-1155.	2.5	23
28	Correlation between plasma malondialdehyde and ceruloplasmin activity values in preeclamptic pregnancies. Clinical Biochemistry, 2001, 34, 505-506.	0.8	19
29	Novel indole-based melatonin analogues substituted with triazole, thiadiazole and carbothioamides: studies on their antioxidant, chemopreventive and cytotoxic activities. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 1312-1321.	2.5	19
30	Aromatase inhibition by 2-methyl indole hydrazone derivatives evaluated via molecular docking and in vitro activity studies. Xenobiotica, 2019, 49, 549-556.	0.5	16
31	In vitro antioxidant/prooxidant effects of combined use of flavonoids. Natural Product Research, 2018, 32, 1446-1450.	1.0	15
32	New indole-7-aldehyde derivatives as melatonin analogues; synthesis and screening their antioxidant and anticancer potential. Bioorganic Chemistry, 2020, 104, 104219.	2.0	11
33	A novel microplate reader-based high-throughput assay for estrogen receptor binding. International Journal of Environmental Analytical Chemistry, 2005, 85, 149-161.	1.8	10
34	In vitro evaluation of estrogenic, antiestrogenic and antitumor effects of amentoflavone. Human and Experimental Toxicology, 2021, 40, 1510-1518.	1.1	9
35	Modulators of Oxidative Stress: Chemical and Pharmacological Aspects. Antioxidants, 2020, 9, 657.	2.2	8
36	Bioisosteric modification on melatonin: synthesis of new naphthalene derivatives, in vitro antioxidant activity and cytotoxicity studies. Brazilian Journal of Pharmaceutical Sciences, 0, 56, .	1.2	8

#	Article	IF	Citations
37	Screening the Oxidative Potential of Several Mono- and Di-Halogenated Biphenyls and Biphenyl Ethers in Rat Hepatocytes. Combinatorial Chemistry and High Throughput Screening, 2006, 9, 449-454.	0.6	6
38	Behaviour of 9-Ethyl-9H-carbazole Hydrazone Derivatives Against Oxidant Systems. Croatica Chemica Acta, 2019, 92, 87-94.	0.1	4
39	The Role of Biotransformation in the Activity of Endocrine Disruptors. Current Drug Metabolism, 2021, 22, 628-644.	0.7	4
40	In vitro evaluation of potential endocrine disrupting effects of several herbal dietary supplements. Toxicology Letters, 2010, 196, S154.	0.4	0
41	Comparision of antioxidant activities of newly synthesized melatonin analogues. Toxicology Letters, 2013, 221, S91.	0.4	0
42	Synthesis and in vitro antioxidant activity studies of melatonin analogue compounds. Toxicology Letters, 2016, 258, S202.	0.4	0
43	Total estrogenic activity of adipose tissue as biomarker of exposure to persistent organic pollutants in humans. Toxicology Letters, 2017, 280, S307.	0.4	0
44	Advantages and disadvantages of two in vitro assays in evaluating aromatase activity: â€œa cell-based and a cell-free assayâ€• Turkish Journal of Pharmaceutical Sciences, 2021, .	0.6	0