

Rao M Uppu

List of Publications by Year in descending order

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39
papers

1,698
citations

471371

17
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345118

36
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42
all docs

42
docs citations

42
times ranked

1856
citing authors

#	ARTICLE	IF	CITATIONS
1	Reaction of Uric Acid with Peroxynitrite and Implications for the Mechanism of Neuroprotection by Uric Acid. Archives of Biochemistry and Biophysics, 2000, 376, 333-337.	1.4	300
2	Acceleration of Peroxynitrite Oxidations by Carbon Dioxide. Archives of Biochemistry and Biophysics, 1996, 327, 335-343.	1.4	299
3	Synthesis of Peroxynitrite in a Two-Phase System Using Isoamyl Nitrite and Hydrogen Peroxide. Analytical Biochemistry, 1996, 236, 242-249.	1.1	220
4	Influence of Gold Nanoshell on Hyperthermia of Superparamagnetic Iron Oxide Nanoparticles. Journal of Physical Chemistry C, 2010, 114, 19194-19201.	1.5	127
5	Carbon Dioxide Modulation of Hydroxylation and Nitration of Phenol by Peroxynitrite. Archives of Biochemistry and Biophysics, 1997, 345, 160-170.	1.4	110
6	Prooxidant actions of bisphenol A (BPA) phenoxyl radicals: implications to BPA-related oxidative stress and toxicity. Toxicology Mechanisms and Methods, 2013, 23, 273-280.	1.3	82
7	[29] Synthesis of peroxynitrite by azide-ozone reaction. Methods in Enzymology, 1996, 269, 311-321.	0.4	66
8	Synthesis of peroxynitrite using isoamyl nitrite and hydrogen peroxide in a homogeneous solvent system. Analytical Biochemistry, 2006, 354, 165-168.	1.1	60
9	Nitration and Nitrosation by Peroxynitrite: Role of CO ₂ and Evidence for Common Intermediates. Journal of the American Chemical Society, 2000, 122, 6911-6916.	6.6	49
10	A major ozonation product of cholesterol, 3 β -hydroxy-5-oxo-5,6-secocholestan-6-al, induces apoptosis in H9c2 cardiomyoblasts. FEBS Letters, 2005, 579, 6444-6450.	1.3	41
11	Reactions of Peroxynitrite with Aldehydes as Probes for the Reactive Intermediates Responsible for Biological Nitration. Chemical Research in Toxicology, 1997, 10, 1331-1337.	1.7	35
12	Unusually high levels of bisphenol A (BPA) in thermal paper cash register receipts (CRs): development and application of a robust LC-UV method to quantify BPA in CRs. Toxicology Mechanisms and Methods, 2015, 25, 410-416.	1.3	33
13	[26] Selecting the most appropriate synthesis of peroxynitrite. Methods in Enzymology, 1996, 269, 285-295.	0.4	31
14	Cholesterol Secoaldehyde, An Ozonation Product of Cholesterol, Induces Amyloid Aggregation and Apoptosis in Murine GT1-7 Hypothalamic Neurons. Journal of Alzheimer's Disease, 2007, 11, 261-274.	1.2	30
15	Cytotoxic effects of oxysterols produced during ozonolysis of cholesterol in murine GT1-7 hypothalamic neurons. Free Radical Research, 2007, 41, 82-88.	1.5	29
16	Molecular docking of bisphenol A and its nitrated and chlorinated metabolites onto human estrogen-related receptor-gamma. Biochemical and Biophysical Research Communications, 2012, 426, 215-220.	1.0	29
17	Cholesterol secoaldehyde induces apoptosis in H9c2 cardiomyoblasts through reactive oxygen species involving mitochondrial and death receptor pathways. Free Radical Biology and Medicine, 2009, 47, 548-558.	1.3	28
18	Determination of epoxides by high-performance liquid chromatography following derivatization with N,N-diethyldithiocarbamate. Analytical and Bioanalytical Chemistry, 2007, 387, 1027-1032.	1.9	17

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19	Methyl vinyl ketone induces apoptosis in murine GT1-7 hypothalamic neurons through glutathione depletion and the generation of reactive oxygen species. <i>Free Radical Research</i> , 2007, 41, 469-477.	1.5	15
20	Peroxynitrite has potent pulmonary vasodilator activity in the rat. <i>Canadian Journal of Physiology and Pharmacology</i> , 2012, 90, 485-500.	0.7	13
21	Intracellular oxidative stress and cytotoxicity in rat primary cortical neurons exposed to cholesterol secoaldehyde. <i>Biochemical and Biophysical Research Communications</i> , 2009, 386, 170-174.	1.0	11
22	Determination of Glutathione, Mitochondrial Transmembrane Potential, and Cytotoxicity in H9c2 Cardiomyoblasts Exposed to Reactive Oxygen and Nitrogen Species. <i>Methods in Molecular Biology</i> , 2010, 610, 51-61.	0.4	11
23	Cholesterol secoaldehyde induces apoptosis in J774 macrophages via mitochondrial pathway but not involving reactive oxygen species as mediators. <i>Biochemical and Biophysical Research Communications</i> , 2009, 389, 382-387.	1.0	10
24	MAPK signaling in H9c2 cardiomyoblasts exposed to cholesterol secoaldehyde – Role of hydrogen peroxide. <i>Biochemical and Biophysical Research Communications</i> , 2011, 404, 90-95.	1.0	9
25	Determination of alloxan by fluorometric high-performance liquid chromatography. <i>Toxicology Mechanisms and Methods</i> , 2009, 19, 498-502.	1.3	8
26	Targeted hyperthermia-induced cancer cell death by superparamagnetic iron oxide nanoparticles conjugated to luteinizing hormone-releasing hormone. <i>Nanotechnology Reviews</i> , 2014, 3, .	2.6	7
27	Simultaneous Analysis of Expression of Multiple Redox-Sensitive and Apoptotic Genes in Hypothalamic Neurons Exposed to Cholesterol Secoaldehyde. <i>Methods in Molecular Biology</i> , 2010, 610, 263-284.	0.4	6
28	Dihydroartemisinin induces caspase-8-dependent apoptosis in murine GT1-7 hypothalamic neurons. <i>Toxicology Mechanisms and Methods</i> , 2011, 21, 367-373.	1.3	6
29	Thermally Oxidized Coconut Oil as Fat Source in High-Fat Diet Induces Hepatic Fibrosis in Diabetic Rat Model. <i>Cell Biochemistry and Biophysics</i> , 2021, 79, 629-639.	0.9	3
30	Virgin coconut oil complements with its polyphenol components mitigate sodium fluoride toxicity <i>in vitro</i> and <i>in vivo</i> . <i>Drug and Chemical Toxicology</i> , 2022, 45, 2528-2534.	1.2	3
31	3,3-Dinitro-bisphenol A. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o2556-o2557.	0.2	2
32	–Ozone-Specific–™ Oxysterols and Neuronal Cell Signaling. <i>Biological Magnetic Resonance</i> , 2020, , 109-122.	0.4	2
33	Formation of Nitroapocynin and Diapocynin in Reactions of Apocynin with Peroxynitrite/CO ₂ : Implications for the use of Apocynin as a Selective Inhibitor of NADPH Oxidase System. <i>FASEB Journal</i> , 2009, 23, LB397.	0.2	2
34	Measurement of Oxidative Stress Status in Human Populations: A Critical Need for a Metabolomic Profiling. <i>Biological Magnetic Resonance</i> , 2020, , 123-131.	0.4	2
35	Atherogenic oxoaldehyde of cholesterol induces innate immune response in monocytes and macrophages. <i>Cell Biochemistry and Biophysics</i> , 2021, 79, 649-658.	0.9	1
36	<i>N</i> -(4-Hydroxy-2-nitrophenyl)acetamide. <i>IUCrData</i> , 2022, 7, .	0.1	1

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37	Development of LHRH@Au@SPIONs for Biomedical Applications. FASEB Journal, 2009, 23, LB406.	0.2	0
38	Peroxynitrite is a potent vasodilator agent in the pulmonary vascular bed of the rat. FASEB Journal, 2009, 23, 620.1.	0.2	0
39	<i>N</i> -(4-Methoxy-2-nitrophenyl)acetamide. IUCrData, 2022, 7, .	0.1	0