

Rao M Uppu

List of Publications by Year in descending order

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39
papers

1,698
citations

471371

17
h-index

345118

36
g-index

42
all docs

42
docs citations

42
times ranked

1856
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	<i>N</i> -(4-Hydroxy-2-nitrophenyl)acetamide. <i>IUCrData</i> , 2022, 7, .	0.1	1
3	<i>N</i> -(4-Methoxy-2-nitrophenyl)acetamide. <i>IUCrData</i> , 2022, 7, .	0.1	0
4	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
5	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
6	¹⁷ Ozone-Specific ¹⁷ Oxysterols and Neuronal Cell Signaling. <i>Biological Magnetic Resonance</i> , 2020, , 109-122.	0.4	2
7	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
8	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. <i>Toxicology Mechanisms and Methods</i> , 2015, 25, 410-416.	1.3	33
9	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
10	Prooxidant actions of bisphenol A (BPA) phenoxyl radicals: implications to BPA-related oxidative stress and toxicity. <i>Toxicology Mechanisms and Methods</i> , 2013, 23, 273-280.	1.3	82
11	Molecular docking of bisphenol A and its nitrated and chlorinated metabolites onto human estrogen-related receptor-gamma. <i>Biochemical and Biophysical Research Communications</i> , 2012, 426, 215-220.	1.0	29
12	Peroxynitrite has potent pulmonary vasodilator activity in the rat. <i>Canadian Journal of Physiology and Pharmacology</i> , 2012, 90, 485-500.	0.7	13
13	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
14	3,3'-Dinitro-bisphenol A. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o2556-o2557.	0.2	2
15	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
16	Influence of Gold Nanoshell on Hyperthermia of Superparamagnetic Iron Oxide Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2010, 114, 19194-19201.	1.5	127
17	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
18	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

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19	Cholesterol secoaldehyde induces apoptosis in H9c2 cardiomyoblasts through reactive oxygen species involving mitochondrial and death receptor pathways. <i>Free Radical Biology and Medicine</i> , 2009, 47, 548-558.	1.3	28
20	Determination of alloxan by fluorometric high-performance liquid chromatography. <i>Toxicology Mechanisms and Methods</i> , 2009, 19, 498-502.	1.3	8
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	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
23	Development of LHRH@SPIONs for Biomedical Applications. <i>FASEB Journal</i> , 2009, 23, LB406.	0.2	0
24	Peroxynitrite is a potent vasodilator agent in the pulmonary vascular bed of the rat. <i>FASEB Journal</i> , 2009, 23, 620.1.	0.2	0
25	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
26	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
27	Cytotoxic effects of oxysterols produced during ozonolysis of cholesterol in murine GT1-7 hypothalamic neurons. <i>Free Radical Research</i> , 2007, 41, 82-88.	1.5	29
28	Cholesterol Secoaldehyde, An Ozonation Product of Cholesterol, Induces Amyloid Aggregation and Apoptosis in Murine GT1-7 Hypothalamic Neurons. <i>Journal of Alzheimer's Disease</i> , 2007, 11, 261-274.	1.2	30
29	Determination of epoxides by high-performance liquid chromatography following derivatization with N,N-diethyldithiocarbamate. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 1027-1032.	1.9	17
30	Synthesis of peroxynitrite using isoamyl nitrite and hydrogen peroxide in a homogeneous solvent system. <i>Analytical Biochemistry</i> , 2006, 354, 165-168.	1.1	60
31	A major ozonation product of cholesterol, 3 β -hydroxy-5-oxo-5,6-secocholestan-6-al, induces apoptosis in H9c2 cardiomyoblasts. <i>FEBS Letters</i> , 2005, 579, 6444-6450.	1.3	41
32	Reaction of Uric Acid with Peroxynitrite and Implications for the Mechanism of Neuroprotection by Uric Acid. <i>Archives of Biochemistry and Biophysics</i> , 2000, 376, 333-337.	1.4	300
33	Nitration and Nitrosation by Peroxynitrite: Role of CO ₂ and Evidence for Common Intermediates. <i>Journal of the American Chemical Society</i> , 2000, 122, 6911-6916.	6.6	49
34	Reactions of Peroxynitrite with Aldehydes as Probes for the Reactive Intermediates Responsible for Biological Nitration. <i>Chemical Research in Toxicology</i> , 1997, 10, 1331-1337.	1.7	35
35	Carbon Dioxide Modulation of Hydroxylation and Nitration of Phenol by Peroxynitrite. <i>Archives of Biochemistry and Biophysics</i> , 1997, 345, 160-170.	1.4	110
36	Acceleration of Peroxynitrite Oxidations by Carbon Dioxide. <i>Archives of Biochemistry and Biophysics</i> , 1996, 327, 335-343.	1.4	299

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37	Synthesis of Peroxynitrite in a Two-Phase System Using Isoamyl Nitrite and Hydrogen Peroxide. Analytical Biochemistry, 1996, 236, 242-249.	1.1	220
38	[29] Synthesis of peroxynitrite by azide-ozone reaction. Methods in Enzymology, 1996, 269, 311-321.	0.4	66
39	[26] Selecting the most appropriate synthesis of peroxynitrite. Methods in Enzymology, 1996, 269, 285-295.	0.4	31