Anuradha Dhanasekaran

List of Publications by Year
in descending order

52 papers	1,547 citations	361388 20 h-index	315719 38 g-index
53 all docs	53 docs citations	53 times ranked	1963 citing authors

#	Article	IF	Citations
1	Supplementation of Endothelial Cells with Mitochondria-targeted Antioxidants Inhibit Peroxide-induced Mitochondrial Iron Uptake, Oxidative Damage, and Apoptosis. Journal of Biological Chemistry, 2004, 279, 37575-37587.	3.4	215
2	Mitochondria superoxide dismutase mimetic inhibits peroxide-induced oxidative damage and apoptosis: Role of mitochondrial superoxide. Free Radical Biology and Medicine, 2005, 39, 567-583.	2.9	180
3	Multiple antiapoptotic targets of the PI3K/Akt survival pathway are activated by epoxyeicosatrienoic acids to protect cardiomyocytes from hypoxia/anoxia. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 294, H724-H735.	3.2	141
4	MicroRNA: A new therapeutic strategy for cardiovascular diseases. Trends in Cardiovascular Medicine, 2016, 26, 407-419.	4.9	98
5	Ceramide-induced Intracellular Oxidant Formation, Iron Signaling, and Apoptosis in Endothelial Cells. Journal of Biological Chemistry, 2004, 279, 28614-28624.	3.4	89
6	Flavonoids: Classification, Function, and Molecular Mechanisms Involved in Bone Remodelling. Frontiers in Endocrinology, 2021, 12, 779638.	3.5	65
7	A critical review on global trends in biogas scenario with its up-gradation techniques for fuel cell and future perspectives. International Journal of Hydrogen Energy, 2021, 46, 16734-16750.	7.1	63
8	Protective effects of epoxyeicosatrienoic acids on human endothelial cells from the pulmonary and coronary vasculature. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H517-H531.	3.2	62
9	20-HETE increases survival and decreases apoptosis in pulmonary arteries and pulmonary artery endothelial cells. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 296, H777-H786.	3.2	44
10	Study on effectiveness of activated calcium oxide in pilot plant biodiesel production. Journal of Cleaner Production, 2019, 225, 18-26.	9.3	40
11	Bioactive Zinc(II) complex incorporated PCL/gelatin electrospun nanofiber enhanced bone tissue regeneration. European Journal of Pharmaceutical Sciences, 2021, 160, 105768.	4.0	39
12	Emerging mechanisms for growth and protection of the vasculature by cytochrome P450-derived products of arachidonic acid and other eicosanoids. Prostaglandins and Other Lipid Mediators, 2007, 82, 19-29.	1.9	38
13	Current status and strategies of long noncoding RNA research for diabetic cardiomyopathy. BMC Cardiovascular Disorders, 2018, 18, 197.	1.7	35
14	Erythropoietin Protects Cardiomyocytes from Cell Death during Hypoxia/Reperfusion Injury through Activation of Survival Signaling Pathways. PLoS ONE, 2014, 9, e107453.	2.5	30
15	Chemometric formulation of bacterial consortium-AVS for improved decolorization of resonance-stabilized and heteropolyaromatic dyes. Bioresource Technology, 2012, 123, 344-351.	9.6	29
16	Genome-wide differential expression profiling of lncRNAs and mRNAs associated with early diabetic cardiomyopathy. Scientific Reports, 2019, 9, 15345.	3.3	29
17	Potential pre-treatment of lignocellulosic biomass for the enhancement of biomethane production through anaerobic digestion- A review. Fuel, 2022, 318, 123593.	6.4	27
18	LncRNA MALAT1 Promotes Tumor Angiogenesis by Regulating MicroRNA-150-5p/VEGFA Signaling in Osteosarcoma: In-Vitro and In-Vivo Analyses. Frontiers in Oncology, 2021, 11, 742789.	2.8	26

#	Article	IF	Citations
19	One-Pot Assembly for Synthesis of 1,4-Dihydropyridine Scaffold and Their Biological Applications. Polycyclic Aromatic Compounds, 2021, 41, 1495-1505.	2.6	25
20	Bio-hybrid hydrogel comprising collagen-capped silver nanoparticles and melatonin for accelerated tissue regeneration in skin defects. Materials Science and Engineering C, 2021, 128, 112328.	7.3	25
21	Ultra-radiant photoluminescence of glutathione rigidified reduced carbon quantum dots (r-CQDs) derived from ice-biryani for in vitro and in vivo bioimaging applications. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 586, 124266.	4.7	22
22	Role of JNK in network formation of human lung microvascular endothelial cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2008, 294, L676-L685.	2.9	19
23	Assessment of human ovarian follicular fluid derived mesenchymal stem cells in chitosan/PCL/Zn scaffold for bone tissue regeneration. Life Sciences, 2021, 264, 118502.	4.3	19
24	RECOMBINANT ERYTHROPOIETIN MITIGATES REPERFUSION INJURY IN NEONATAL RAT CARDIOMYOCYTES BY NOVEL MULTIPLE SIGNALLING PATHWAYS. International Journal of Pharmacy and Pharmaceutical Sciences, 2016, 8, 34.	0.3	14
25	Zinc chelated morin promotes osteoblast differentiation over its uncomplexed counterpart. Process Biochemistry, 2019, 82, 167-172.	3.7	14
26	Anaerobic Codigestion of Alkali-Pretreated Prosopis juliflora Biomass with Sewage Sludge for Biomethane Production. Energy & Fuels, 2019, 33, 7357-7365.	5.1	12
27	Microarray analysis of long non-coding RNA and mRNA expression profiles in diabetic cardiomyopathy using human induced pluripotent stem cellâ€“derived cardiomyocytes. Diabetes and Vascular Disease Research, 2019, 16, 57-68.	2.0	12
28	Feasibility of biodiesel production from waste cooking oil: lab-scale to pilot-scale analysis. Environmental Science and Pollution Research, 2020, 27, 25828-25835.	5.3	12
29	Recent Insight on the Non-coding RNAs in Mesenchymal Stem Cell-Derived Exosomes: Regulatory and Therapeutic Role in Regenerative Medicine and Tissue Engineering. Frontiers in Cardiovascular Medicine, 2021, 8, 737512.	2.4	12
30	Brugia malayi Asparaginyl - tRNA Synthetase Stimulates Endothelial Cell Proliferation, Vasodilation and Angiogenesis. PLoS ONE, 2016, 11, e0146132.	2.5	11
31	Degradation of pesticide-contaminated wastewater (coragen) using electrocoagulation process with iron electrodes. , 0, 165, 103-110.		11
32	Tissue protection and endothelial cell signaling by 20-HETE analogs in intact ex vivo lung slices. Experimental Cell Research, 2012, 318, 2143-2152.	2.6	10
33	Thrombopoietin Receptor Agonists Protect Human Cardiac Myocytes from Injury by Activation of Cell Survival Pathways. Journal of Pharmacology and Experimental Therapeutics, 2015, 352, 429-437.	2.5	10
34	Uncoupling Warburg effect and stemness in CD133+ve cancer stem cells from Saos-2 (osteosarcoma) cell line under hypoxia. Molecular Biology Reports, 2018, 45, 1653-1662.	2.3	10
35	Identification and analysis of circulating long non-coding RNAs with high significance in diabetic cardiomyopathy. Scientific Reports, 2021, 11, 2571.	3.3	10
36	Cloning, expression and purification of recombinant dermatopontin in Escherichia coli. PLoS ONE, 2020, 15, e0242798.	2.5	9

#	Article	IF	Citations
37	Application of Artificial Neural Network as a nonhazardous alternative on kinetic analysis and modeling for green synthesis of cobalt nanocatalyst from Ocimum tenuiflorum. Journal of Hazardous Materials, 2021, 416, 125720.	12.4	8
38	ADSORPTION OF AN ANIONIC DYE ONTO NATIVE AND CHEMICALLY MODIFIED AGRICULTURAL WASTE. Environmental Engineering and Management Journal, 2019, 18, 257-270.	0.6	8
39	Advance electrochemical oxidation of fipronil contaminated wastewater by graphite anodes and sorbent nano hydroxyapatite. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2019, 41, 866-880.	2.3	5
40	Prophylactic supplementation of 20-HETE ameliorates hypoxia/reoxygenation injury in pulmonary vascular endothelial cells by inhibiting apoptosis. Acta Histochemica, 2020, 122, 151461.	1.8	5
41	Synergistic role of 5-azacytidine and ascorbic acid in directing cardiosphere derived cells to cardiomyocytes in vitro by downregulating Wnt signaling pathway via phosphorylation of Î²-catenin. PLoS ONE, 2017, 12, e0188805.	2.5	5
42	Immune Response to Brugia malayi Asparaginyl-tRNA Synthetase in Balb/c Mice and Human Clinical Samples of Lymphatic Filariasis. Lymphatic Research and Biology, 2019, 17, 447-456.	1.1	2
43	Evaluation of the angiogenic properties of Brugia malayi asparaginyl-tRNA synthetase and its mutants: A study on the molecular target for antifilarial drug development. Molecular and Biochemical Parasitology, 2021, 246, 111426.	1.1	2
44	Epoxyeicosatrienoic acids (EETs) protect cardiovascular cells from apoptosis mediated by caspase 3â€dependent pathways. FASEB Journal, 2006, 20, A123.	0.5	2
45	Auxin biosynthetic intermediate genes and their role in developmental growth and plasticity in higher plants. Journal of Plant Biochemistry and Biotechnology, 2017, 26, 321-329.	1.7	1
46	Effect of mitochondrially targeted carboxy proxyl nitroxide on Akt-mediated survival in Daudi cells: Significance of a dual mode of action. PLoS ONE, 2017, 12, e0174546.	2.5	1
47	Microarray Analysis of Long Nonâ€coding RNA and mRNA Expression Profiles in Diabetic Cardiomyopathy Using Human iPSCsâ€Derived Cardiomyocytes.. FASEB Journal, 2018, 32, 580.15.	0.5	1
48	Electrooxidation of coragen-contaminated wastewater using graphite electrodes and sorbent nano-hydroxyapatite. Environmental Technology (United Kingdom), 2021, , 1-10.	2.2	0
49	Microarray Analysis of Long Noncoding RNAs in the Heart and Plasma of Type 2 Diabetic db/db Mice. FASEB Journal, 2018, 32, 580.17.	0.5	0
50	Coâ€expression Network Analysis of Altered lncRNAs and mRNAs in Diabetic Cardiomyopathy using Human iPSCâ€derived Cardiomyocytes. FASEB Journal, 2019, 33, 778.1.	0.5	0
51	Oxidation of pesticide (Coragen) using triple oxide coated titanium electrodes and nano hydroxyapatite as a sorbent. , 0, 201, 313-322.		0
52	Chick Embryo Ex Vivo Assays for Cardiovascular Research. Methods in Molecular Biology, 2022, 2419, 183-192.	0.9	0