

Vibha Rani

List of Publications by Year in Descending Order

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Version: 2024-04-28

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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.

31
papers

1,116
citations

13
h-index

33
g-index

33
ext. papers

1,444
ext. citations

4.3
avg, IF

4.85
L-index

#	Paper	IF	Citations
31	In Silico Studies of Phytoconstituents from Piper longum and Ocimum sanctum as ACE2 and TMRSS2 Inhibitors: Strategies to Combat COVID-19.. <i>Applied Biochemistry and Biotechnology</i> , 2022 , 1	3.2	1
30	Study to Explore Plant-Derived Trimethylamine Lyase Enzyme Inhibitors to Address Gut Dysbiosis. <i>Applied Biochemistry and Biotechnology</i> , 2021 , 1	3.2	2
29	Human Gut Microbiome: A New Frontier in Cancer Diagnostics & Therapeutics. <i>Current Pharmaceutical Design</i> , 2021 , 27, 4578-4592	3.3	0
28	Anti-inflammatory Effects of Seed Extract on Gelatinase-B (MMP-9) Regulation against Hyperglycemic Cardiomyocyte Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2021 , 2021, 8839479	6.7	4
27	MicroRNAs: A Critical Regulator and a Promising Therapeutic and Diagnostic Molecule for Diabetic Cardiomyopathy. <i>Current Gene Therapy</i> , 2021 , 21, 313-326	4.3	4
26	Modulating host gene expression via gut microbiome-microRNA interplay to treat human diseases. <i>Critical Reviews in Microbiology</i> , 2021 , 47, 596-611	7.8	0
25	Matrixmetalloproteinase Inhibitors: Promising Therapeutic Targets Against Cancer. <i>Current Pharmaceutical Design</i> , 2021 , 27, 4557-4567	3.3	0
24	Identification and expression analysis of conserved microRNAs during short and prolonged chromium stress in rice (<i>Oryza sativa</i>). <i>Environmental Science and Pollution Research</i> , 2020 , 27, 380-390	5.1	19
23	Differential expression of novel MicroRNAs from developing fetal heart of <i>Gallus gallus domesticus</i> implies a role in cardiac development. <i>Molecular and Cellular Biochemistry</i> , 2019 , 462, 157-165	4.2	0
22	Gel-Based Gelatin Zymography to Examine Matrix Metalloproteinase Activity in Cell Culture. <i>Methods in Molecular Biology</i> , 2018 , 1731, 83-96	1.4	2
21	Anti-hypotensive drug induced cardiotoxicity: an in vitro study. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2018 , 54, 92-98	2.6	2
20	Toxicity and detoxification of heavy metals during plant growth and metabolism. <i>Environmental Chemistry Letters</i> , 2018 , 16, 1169-1192	13.3	89
19	Assessment of herb-drug synergy to combat doxorubicin induced cardiotoxicity. <i>Life Sciences</i> , 2018 , 205, 97-106	6.8	8
18	Mode of treatment governs curcumin response on doxorubicin-induced toxicity in cardiomyoblasts. <i>Molecular and Cellular Biochemistry</i> , 2018 , 442, 81-96	4.2	20
17	Functional annotation of differentially expressed fetal cardiac microRNA targets: implication for microRNA-based cardiovascular therapeutics. <i>3 Biotech</i> , 2018 , 8, 494	2.8	5
16	Long- and short-term protective responses of rice seedling to combat Cr(VI) toxicity. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 36163-36172	5.1	9
15	Curcumin-mediated effects on anti-diabetic drug-induced cardiotoxicity. <i>3 Biotech</i> , 2018 , 8, 399	2.8	2

14	Synthesis and Characterization of Syzygium cumini Nanoparticles for Its Protective Potential in High Glucose-Induced Cardiac Stress: a Green Approach. <i>Applied Biochemistry and Biotechnology</i> , 2017 , 181, 1140-1154	3.2	18
13	MicroRNA-mediated MMP Regulation: Current Diagnostic and Therapeutic Strategies for Metabolic Syndrome. <i>Current Gene Therapy</i> , 2017 , 17, 214-227	4.3	5
12	Cell In Situ Zymography: Imaging Enzyme-Substrate Interactions. <i>Methods in Molecular Biology</i> , 2017 , 1626, 133-143	1.4	
11	Oxidative stress and metabolic disorders: Pathogenesis and therapeutic strategies. <i>Life Sciences</i> , 2016 , 148, 183-93	6.8	508
10	Exploring miRNA based approaches in cancer diagnostics and therapeutics. <i>Critical Reviews in Oncology/Hematology</i> , 2016 , 98, 12-23	7	201
9	An assessment of norepinephrine mediated hypertrophy to apoptosis transition in cardiac cells: a signal for cell death. <i>Chemico-Biological Interactions</i> , 2015 , 225, 54-62	5	14
8	Anticedants and natural prevention of environmental toxicants induced accelerated aging of skin. <i>Environmental Toxicology and Pharmacology</i> , 2015 , 39, 384-91	5.8	20
7	Comparative Characterization of Cardiac Development Specific microRNAs: Fetal Regulators for Future. <i>PLoS ONE</i> , 2015 , 10, e0139359	3.7	9
6	Protective effect of Syzygium cumini against pesticide-induced cardiotoxicity. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 7956-72	5.1	12
5	Cardioprotective role of Syzygium cumini against glucose-induced oxidative stress in H9C2 cardiac myocytes. <i>Cardiovascular Toxicology</i> , 2013 , 13, 278-89	3.4	36
4	Curcumin suppresses gelatinase B mediated norepinephrine induced stress in H9c2 cardiomyocytes. <i>PLoS ONE</i> , 2013 , 8, e76519	3.7	26
3	Curcumin: a potential therapeutic polyphenol, prevents noradrenaline-induced hypertrophy in rat cardiac myocytes. <i>Journal of Pharmacy and Pharmacology</i> , 2011 , 63, 1604-12	4.8	26
2	Transcription factors in heart: promising therapeutic targets in cardiac hypertrophy. <i>Current Cardiology Reviews</i> , 2011 , 7, 262-71	2.4	52
1	Computational methods to dissect cis-regulatory transcriptional networks. <i>Journal of Biosciences</i> , 2007 , 32, 1325-30	2.3	7