

# Vibha Rani

## List of Publications by Citations

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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	Oxidative stress and metabolic disorders: Pathogenesis and therapeutic strategies. <i>Life Sciences</i> , <b>2016</b> , 148, 183-93	6.8	508
30	Exploring miRNA based approaches in cancer diagnostics and therapeutics. <i>Critical Reviews in Oncology/Hematology</i> , <b>2016</b> , 98, 12-23	7	201
29	Toxicity and detoxification of heavy metals during plant growth and metabolism. <i>Environmental Chemistry Letters</i> , <b>2018</b> , 16, 1169-1192	13.3	89
28	Transcription factors in heart: promising therapeutic targets in cardiac hypertrophy. <i>Current Cardiology Reviews</i> , <b>2011</b> , 7, 262-71	2.4	52
27	Cardioprotective role of <i>Syzygium cumini</i> against glucose-induced oxidative stress in H9C2 cardiac myocytes. <i>Cardiovascular Toxicology</i> , <b>2013</b> , 13, 278-89	3.4	36
26	Curcumin: a potential therapeutic polyphenol, prevents noradrenaline-induced hypertrophy in rat cardiac myocytes. <i>Journal of Pharmacy and Pharmacology</i> , <b>2011</b> , 63, 1604-12	4.8	26
25	Curcumin suppresses gelatinase B mediated norepinephrine induced stress in H9c2 cardiomyocytes. <i>PLoS ONE</i> , <b>2013</b> , 8, e76519	3.7	26
24	Mode of treatment governs curcumin response on doxorubicin-induced toxicity in cardiomyoblasts. <i>Molecular and Cellular Biochemistry</i> , <b>2018</b> , 442, 81-96	4.2	20
23	Anticedants and natural prevention of environmental toxicants induced accelerated aging of skin. <i>Environmental Toxicology and Pharmacology</i> , <b>2015</b> , 39, 384-91	5.8	20
22	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> , <b>2020</b> , 27, 380-390	5.1	19
21	Synthesis and Characterization of <i>Syzygium cumini</i> Nanoparticles for Its Protective Potential in High Glucose-Induced Cardiac Stress: a Green Approach. <i>Applied Biochemistry and Biotechnology</i> , <b>2017</b> , 181, 1140-1154	3.2	18
20	An assessment of norepinephrine mediated hypertrophy to apoptosis transition in cardiac cells: a signal for cell death. <i>Chemico-Biological Interactions</i> , <b>2015</b> , 225, 54-62	5	14
19	Protective effect of <i>Syzygium cumini</i> against pesticide-induced cardiotoxicity. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 7956-72	5.1	12
18	Comparative Characterization of Cardiac Development Specific microRNAs: Fetal Regulators for Future. <i>PLoS ONE</i> , <b>2015</b> , 10, e0139359	3.7	9
17	Long- and short-term protective responses of rice seedling to combat Cr(VI) toxicity. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 36163-36172	5.1	9
16	Assessment of herb-drug synergy to combat doxorubicin induced cardiotoxicity. <i>Life Sciences</i> , <b>2018</b> , 205, 97-106	6.8	8
15	Computational methods to dissect cis-regulatory transcriptional networks. <i>Journal of Biosciences</i> , <b>2007</b> , 32, 1325-30	2.3	7

14	MicroRNA-mediated MMP Regulation: Current Diagnostic and Therapeutic Strategies for Metabolic Syndrome. <i>Current Gene Therapy</i> , <b>2017</b> , 17, 214-227	4.3	5
13	Functional annotation of differentially expressed fetal cardiac microRNA targets: implication for microRNA-based cardiovascular therapeutics. <i>3 Biotech</i> , <b>2018</b> , 8, 494	2.8	5
12	Anti-inflammatory Effects of Seed Extract on Gelatinase-B (MMP-9) Regulation against Hyperglycemic Cardiomyocyte Stress. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2021</b> , 2021, 8839479	6.7	4
11	MicroRNAs: A Critical Regulator and a Promising Therapeutic and Diagnostic Molecule for Diabetic Cardiomyopathy. <i>Current Gene Therapy</i> , <b>2021</b> , 21, 313-326	4.3	4
10	Gel-Based Gelatin Zymography to Examine Matrix Metalloproteinase Activity in Cell Culture. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1731, 83-96	1.4	2
9	Anti-hypotensive drug induced cardiotoxicity: an in vitro study. <i>In Vitro Cellular and Developmental Biology - Animal</i> , <b>2018</b> , 54, 92-98	2.6	2
8	Study to Explore Plant-Derived Trimethylamine Lyase Enzyme Inhibitors to Address Gut Dysbiosis. <i>Applied Biochemistry and Biotechnology</i> , <b>2021</b> , 1	3.2	2
7	Curcumin-mediated effects on anti-diabetic drug-induced cardiotoxicity. <i>3 Biotech</i> , <b>2018</b> , 8, 399	2.8	2
6	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> , <b>2022</b> , 1	3.2	1
5	Differential expression of novel MicroRNAs from developing fetal heart of Gallus gallus domesticus implies a role in cardiac development. <i>Molecular and Cellular Biochemistry</i> , <b>2019</b> , 462, 157-165	4.2	0
4	Human Gut Microbiome: A New Frontier in Cancer Diagnostics & Therapeutics. <i>Current Pharmaceutical Design</i> , <b>2021</b> , 27, 4578-4592	3.3	0
3	Modulating host gene expression via gut microbiome-microRNA interplay to treat human diseases. <i>Critical Reviews in Microbiology</i> , <b>2021</b> , 47, 596-611	7.8	0
2	Matrixmetalloproteinase Inhibitors: Promising Therapeutic Targets Against Cancer. <i>Current Pharmaceutical Design</i> , <b>2021</b> , 27, 4557-4567	3.3	0
1	Cell In Situ Zymography: Imaging Enzyme-Substrate Interactions. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1626, 133-143	1.4	