

Varsha Shriram

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

2,025
citations

394421

19
h-index

477307

29
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38
all docs

38
docs citations

38
times ranked

2702
citing authors

#	ARTICLE	IF	CITATIONS
1	Phytohormones and their metabolic engineering for abiotic stress tolerance in crop plants. <i>Crop Journal</i> , 2016, 4, 162-176.	5.2	695
2	MicroRNAs As Potential Targets for Abiotic Stress Tolerance in Plants. <i>Frontiers in Plant Science</i> , 2016, 7, 817.	3.6	299
3	Enhanced proline accumulation and salt stress tolerance of transgenic indica rice by over-expressing P5CSF129A gene. <i>Plant Biotechnology Reports</i> , 2010, 4, 37-48.	1.5	168
4	Inhibiting Bacterial Drug Efflux Pumps via Phyto-Therapeutics to Combat Threatening Antimicrobial Resistance. <i>Frontiers in Microbiology</i> , 2018, 9, 2990.	3.5	124
5	Plant small RNAs: the essential epigenetic regulators of gene expression for salt-stress responses and tolerance. <i>Plant Cell Reports</i> , 2018, 37, 61-75.	5.6	87
6	A potential plasmid-curing agent, 8-epidiosbulbin E acetate, from <i>Dioscorea bulbifera</i> L. against multidrug-resistant bacteria. <i>International Journal of Antimicrobial Agents</i> , 2008, 32, 405-410.	2.5	64
7	Microplastic-associated pathogens and antimicrobial resistance in environment. <i>Chemosphere</i> , 2022, 291, 133005.	8.2	58
8	Antimicrobial potentials of <i>Helicteres isora</i> silver nanoparticles against extensively drug-resistant (XDR) clinical isolates of <i>Pseudomonas aeruginosa</i> . <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 10655-10667.	3.6	57
9	Antioxidant and DNA damage protecting activities of <i>Eulophia nuda</i> Lindl.. <i>Free Radicals and Antioxidants</i> , 2013, 3, 55-60.	0.3	54
10	Sodium Chloride-Induced Changes in Mineral Nutrients and Proline Accumulation in Indica Rice Cultivars Differing in Salt Tolerance. <i>Journal of Plant Nutrition</i> , 2008, 31, 1999-2017.	1.9	44
11	Plant synthetic biology for producing potent phyto-antimicrobials to combat antimicrobial resistance. <i>Biotechnology Advances</i> , 2021, 48, 107729.	11.7	39
12	Antioxidant enzyme activities and protein profiling under salt stress in indica rice genotypes differing in salt tolerance. <i>Archives of Agronomy and Soil Science</i> , 2009, 55, 379-394.	2.6	34
13	Cytotoxic activity of 9,10-dihydro-2,5-dimethoxyphenanthrene-1,7-diol from <i>Eulophia nuda</i> against human cancer cells. <i>Journal of Ethnopharmacology</i> , 2010, 128, 251-253.	4.1	32
14	Combating Drug-Resistant Bacteria Using Photothermally Active Nanomaterials: A Perspective Review. <i>Frontiers in Microbiology</i> , 2021, 12, 747019.	3.5	31
15	Embelin-loaded chitosan gold nanoparticles interact synergistically with ciprofloxacin by inhibiting efflux pumps in multidrug-resistant <i>Pseudomonas aeruginosa</i> and <i>Escherichia coli</i> . <i>Environmental Research</i> , 2021, 199, 111321.	7.5	28
16	Indirect organogenesis and plant regeneration in <i>Helicteres isora</i> L., an important medicinal plant. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2008, 44, 186-193.	2.1	22
17	Differential response of indica rice genotypes to NaCl stress in relation to physiological and biochemical parameters. <i>Archives of Agronomy and Soil Science</i> , 2007, 53, 581-592.	2.6	21
18	Biotic elicitors enhance diosgenin production in <i>Helicteres isora</i> L. suspension cultures via up-regulation of CAS and HMGR genes. <i>Physiology and Molecular Biology of Plants</i> , 2020, 26, 593-604.	3.1	21

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19	Biologically synthesized nanomaterials and their antimicrobial potentials. <i>Comprehensive Analytical Chemistry</i> , 2019, , 263-289.	1.3	20
20	Hairy Root Induction in <i>Helicteres isora</i> L. and Production of Diosgenin in Hairy Roots. <i>Natural Products and Bioprospecting</i> , 2014, 4, 107-112.	4.3	17
21	Asymbiotic In vitro Seed Germination and Seedling Development of <i>Eulophia nuda</i> Lindl., An Endangered Medicinal Orchid. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2014, 84, 837-846.	1.0	14
22	Efficacy of <i>Helicteres isora</i> L. against free radicals, lipid peroxidation, protein oxidation and DNA damage. <i>Journal of Pharmacy Research</i> , 2013, 6, 620-625.	0.4	12
23	RNAi Technology: The Role in Development of Abiotic Stress-Tolerant Crops. , 2018, , 117-133.		12
24	Phytochemical profile, anti-oxidant, anti-inflammatory, and anti-proliferative activities of <i>Pogostemon deccanensis</i> essential oils. <i>3 Biotech</i> , 2019, 9, 31.	2.2	11
25	Genome-wide in silico identification and characterization of sodium-proton (Na ⁺ /H ⁺) antiporters in <i>Indica</i> rice. <i>Plant Gene</i> , 2021, 26, 100280.	2.3	9
26	Engineering Phytohormones for Abiotic Stress Tolerance in Crop Plants. , 2016, , 247-266.		8
27	Oxidative Stress and Leaf Senescence: Important Insights. , 2019, , 139-163.		8
28	Antibacterial & antiplasmid activities of <i>Helicteres isora</i> L. <i>Indian Journal of Medical Research</i> , 2010, 132, 94-9.	1.0	6
29	Effects of Toxic Gases, Ozone, Carbon Dioxide, and Wastes on Plant Secondary Metabolism. , 2017, , 81-96.		4
30	Advances in Biotechnological Tools. , 2019, , 615-632.		4
31	Establishment of Callus and Cell Suspension Cultures of <i>Helicteres isora</i> L.. <i>Research in Plant Biology</i> , 0, , 01-07.	0.0	4
32	Nrf2/HO-1 Mediated Antioxidant Activities, Cytotoxicity Analysis and LCESI/ MS Profiling of <i>Eulophia nuda</i> L.. <i>Natural Products Journal</i> , 2020, 10, 69-79.	0.3	4
33	Transcriptional and post-transcriptional mechanisms regulating salt tolerance in plants. <i>Physiologia Plantarum</i> , 2021, 173, 1291-1294.	5.2	4
34	In vitro regeneration and ploidy level analysis of <i>Eulophia ochreatea</i> Lindl. <i>Indian Journal of Experimental Biology</i> , 2014, 52, 1112-21.	0.0	3
35	Nano-Boehmite Induced Oxidative and Nitrosative Stress Responses in <i>Vigna radiata</i> L.. <i>Journal of Plant Growth Regulation</i> , 0, , 1.	5.1	1
36	<i>Eulophia</i> spp.: In Vitro Generation, Chemical Constituents, and Pharmacological Activities. <i>Reference Series in Phytochemistry</i> , 2022, , 495-516.	0.4	1

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37	Eulophia spp.: In Vitro Generation, Chemical Constituents, and Pharmacological Activities. Reference Series in Phytochemistry, 2021, , 1-23.	0.4	0