

undefined Harish

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

1,685
citations

304743

22
h-index

302126

39
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54
all docs

54
docs citations

54
times ranked

1230
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Developments in Enzymatic Antioxidant Defence Mechanism in Plants with Special Reference to Abiotic Stress. <i>Biology</i> , 2021, 10, 267.	2.8	228
2	PGPR-mediated induction of systemic resistance and physiochemical alterations in plants against the pathogens: Current perspectives. <i>Journal of Basic Microbiology</i> , 2020, 60, 828-861.	3.3	157
3	The role of abscisic acid in plant tissue culture: a review of recent progress. <i>Plant Cell, Tissue and Organ Culture</i> , 2011, 106, 179-190.	2.3	129
4	Coping with the Challenges of Abiotic Stress in Plants: New Dimensions in the Field Application of Nanoparticles. <i>Plants</i> , 2021, 10, 1221.	3.5	112
5	Vital roles of carotenoids in plants and humans to deteriorate stress with its structure, biosynthesis, metabolic engineering and functional aspects. <i>Current Plant Biology</i> , 2021, 26, 100203.	4.7	111
6	Genetic homogeneity of guava plants derived from somatic embryogenesis using SSR and ISSR markers. <i>Plant Cell, Tissue and Organ Culture</i> , 2012, 111, 259-264.	2.3	77
7	An improved micropropagation of <i>Terminalia bellirica</i> from nodal explants of mature tree. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 299-305.	2.1	51
8	In vitro propagation of <i>Eulophia nuda</i> Lindl., an endangered orchid. <i>Scientia Horticulturae</i> , 2012, 139, 46-52.	3.6	44
9	Biosynthesis and extraction of high-value carotenoid from algae. <i>Frontiers in Bioscience - Landmark</i> , 2021, 26, 171.	3.0	44
10	Toxicity evaluation of iron oxide nanoparticles and accumulation by microalgae <i>Coelastrella terrestris</i> . <i>Environmental Science and Pollution Research</i> , 2020, 27, 19650-19660.	5.3	38
11	Bioprospecting of fucoxanthin from diatoms – Challenges and perspectives. <i>Algal Research</i> , 2021, 60, 102475.	4.6	38
12	In Vitro Propagation, Encapsulation, and Genetic Fidelity Analysis of <i>Terminalia arjuna</i> : a Cardioprotective Medicinal Tree. <i>Applied Biochemistry and Biotechnology</i> , 2014, 173, 1481-1494.	2.9	37
13	Conservation genetics of endangered medicinal plant <i>Commiphora wightii</i> in Indian Thar Desert. <i>Gene</i> , 2014, 535, 266-272.	2.2	36
14	Toxicity assessment of ZnO nanoparticles to freshwater microalgae <i>Coelastrella terrestris</i> . <i>Environmental Science and Pollution Research</i> , 2019, 26, 26991-27001.	5.3	36
15	Role of elicitors to initiate the induction of systemic resistance in plants to biotic stress. <i>Plant Stress</i> , 2022, 5, 100103.	5.5	36
16	Endophytic Nanotechnology: An Approach to Study Scope and Potential Applications. <i>Frontiers in Chemistry</i> , 2021, 9, 613343.	3.6	35
17	Insights into diatom microalgal farming for treatment of wastewater and pretreatment of algal cells by ultrasonication for value creation. <i>Environmental Research</i> , 2021, 201, 111550.	7.5	35
18	Light modulates transcriptomic dynamics upregulating astaxanthin accumulation in <i>Haematococcus</i> : A review. <i>Bioresource Technology</i> , 2021, 340, 125707.	9.6	32

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19	Micropropagation of mature <i>Terminalia catappa</i> (Indian Almond), a medicinally important forest tree. <i>Journal of Forest Research</i> , 2012, 17, 202-207.	1.4	29
20	Chitosan nanomaterials: A prelim of next-generation fertilizers; existing and future prospects. <i>Carbohydrate Polymers</i> , 2022, 288, 119356.	10.2	29
21	Mechanism of nanotoxicity in <i>Chlorella vulgaris</i> exposed to zinc and iron oxide. <i>Toxicology Reports</i> , 2021, 8, 724-731.	3.3	25
22	High frequency plantlet regeneration from nodal segment culture of female <i>Momordica dioica</i> (Roxb.). <i>Journal of Crop Science and Biotechnology</i> , 2011, 14, 133-137.	1.5	24
23	Current status of potential applications of repurposed Cas9 for structural and functional genomics of plants. <i>Biochemical and Biophysical Research Communications</i> , 2016, 480, 499-507.	2.1	22
24	Aquatic nanotoxicology: impact of carbon nanomaterials on algal flora. <i>Energy, Ecology and Environment</i> , 2020, 5, 240-252.	3.9	22
25	Physio-biochemical responses of wheat plant towards salicylic acid-chitosan nanoparticles. <i>Plant Physiology and Biochemistry</i> , 2021, 162, 699-705.	5.8	21
26	Isolation of genomic DNA suitable for community analysis from mature trees adapted to arid environment. <i>Gene</i> , 2011, 487, 156-159.	2.2	20
27	Nanoecotoxicological Reports of Engineered Metal Oxide Nanoparticles on Algae. <i>Current Pollution Reports</i> , 2018, 4, 128-142.	6.6	20
28	Approaches for the amelioration of adverse effects of drought stress on crop plants. <i>Frontiers in Bioscience</i> , 2021, 26, 928.	2.1	18
29	Maximizing EPS production from <i>Pseudomonas aeruginosa</i> and its application in Cr and Ni sequestration. <i>Biochemistry and Biophysics Reports</i> , 2021, 26, 100972.	1.3	17
30	A new chlorophycean nickel hyperaccumulator. <i>Bioresource Technology</i> , 2008, 99, 3930-3934.	9.6	13
31	An improved micropropagation system, ex vitro rooting and validation of genetic homogeneity in wild female <i>Momordica dioica</i> : an underutilized nutraceutical vegetable crop. <i>Physiology and Molecular Biology of Plants</i> , 2017, 23, 713-722.	3.1	12
32	Astaxanthin bioaccumulation in microalgae under environmental stress simulated in industrial effluents highlighting prospects of <i>Haematococcus pluvialis</i> : knowledge gaps and prospective approaches. <i>Phytochemistry Reviews</i> , 2023, 22, 1041-1066.	6.5	12
33	Micropropagation of <i>Salvadora oleoides</i> "An Oil Yielding Tree of Arid Forests. <i>Journal of Sustainable Forestry</i> , 2012, 31, 620-632.	1.4	11
34	Bioresearches of Fragile Ecosystem/Desert. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2012, 82, 319.	1.0	11
35	Molecular circuit of heterocyst differentiation in cyanobacteria. <i>Journal of Basic Microbiology</i> , 2020, 60, 738-745.	3.3	11
36	Recent advances in phytoremediation using genome engineering CRISPR-Cas9 technology. , 2020, , 125-141.		11

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37	Multifarious Responses of Forest Soil Microbial Community Toward Climate Change. <i>Microbial Ecology</i> , 2023, 86, 49-74.	2.8	11
38	Slow-release Zn application through Zn-chitosan nanoparticles in wheat to intensify source activity and sink strength. <i>Plant Physiology and Biochemistry</i> , 2021, 168, 272-281.	5.8	10
39	Anti-CRISPR proteins as a therapeutic agent against drug-resistant bacteria. <i>Microbiological Research</i> , 2022, 257, 126963.	5.3	9
40	Phyco-Nanotechnology: New Horizons of Gold Nano-Factories. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2019, 89, 1-11.	1.0	8
41	COVID-19 lockdown: a boon in boosting the air quality of major Indian Metropolitan Cities. <i>Aerobiologia</i> , 2021, 37, 79-103.	1.7	8
42	Nano-strategies as Oral Drug Delivery Platforms for Treatment of Cancer: Challenges and Future Perspectives. <i>AAPS PharmSciTech</i> , 2022, 23, .	3.3	6
43	Photosystem I P700 chlorophyll a apoprotein A1 as PCR marker to identify diatoms and their associated lineage. <i>Journal of Eukaryotic Microbiology</i> , 2021, 68, e12866.	1.7	4
44	Determination of Genetic Diversity of the <i>Morinda tinctoria</i> Population in Historical Mandore Garden. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2013, 83, 367-370.	1.0	3
45	The mysterious circle: Molecular curiosities of RNA mediated gene regulation. <i>Gene Reports</i> , 2017, 9, 13-19.	0.8	3
46	Morphological Descriptors and Heritability as Markers for Oil Yield in <i>Balanites aegyptiaca</i> (L.) Del.: A Potential Biodiesel Xerophyte. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2021, 91, 695-706.	1.0	2
47	The structure and functional mechanism of eyespot in <i>Chlamydomonas</i> . <i>Journal of Basic Microbiology</i> , 2022, 62, 1169-1178.	3.3	2
48	Chromatic intervention and biocompatibility assay for biosurfactant derived from <i>Balanites aegyptiaca</i> (L.) Del. <i>Scientific Reports</i> , 2021, 11, 4186.	3.3	1
49	Genetic diversity among different landraces of Pearl millet [<i>Cenchrus americanus</i> (L.) Morrone syn. <i>Pennisetum glaucum</i> (L.) R. Br.]. <i>Vegetos</i> , 2021, 34, 919-927.	1.5	0