Rupesh kumar singh

List of Publications by Year
in descending order

39 papers	998 citations	516710 16 h-index	454955 30 g-index
40 all docs	40 docs citations	40 times ranked	842 citing authors

#	Article	IF	Citations
1	Validation of meta-Topolin in organogenesis, improved morpho-physio-chemical responses, and clonal fidelity analysis in Dioscorea pentaphylla L. â€“ an underutilized yam species. South African Journal of Botany, 2022, 145, 284-292.	2.5	6
2	Nanotechnology in the Restoration of Polluted Soil. Nanomaterials, 2022, 12, 769.	4.1	49
3	Nanomaterials for Plants: From Ecophysiology to Signaling Mechanisms and Nutrient Uptake. , 2022, , 183-197.		1
4	Zinc Oxide Nanoparticles Improve Salt Tolerance in Rice Seedlings by Improving Physiological and Biochemical Indices. Agriculture (Switzerland), 2022, 12, 1014.	3.1	27
5	Effect of Soil Chemical Properties on the Occurrence and Distribution of Entomopathogenic Fungi in Portuguese Grapevine Fields. Pathogens, 2021, 10, 137.	2.8	6
6	Transformation Techniques and Their Role in Crop Improvements: A Global Scenario of GM Crops. , 2021, , 515-542.		9
7	Status and Policies of GM Crops in Russia. , 2021, , 57-74.		1
8	Recent Developments in Enzymatic Antioxidant Defence Mechanism in Plants with Special Reference to Abiotic Stress. Biology, 2021, 10, 267.	2.8	228
9	Influence of Silver Nanoparticles on the Biological Indicators of Haplic Chernozem. Plants, 2021, 10, 1022.	3.5	21
10	Role of Engineered Carbon Nanoparticles (CNPs) in Promoting Growth and Metabolism of Vigna radiata (L.) Wilczek: Insights into the Biochemical and Physiological Responses. Plants, 2021, 10, 1317.	3.5	42
11	Advances in Genome Editing. , 2021, , 227-240.		0
12	Effects of Silicon and Silicon-Based Nanoparticles on Rhizosphere Microbiome, Plant Stress and Growth. Biology, 2021, 10, 791.	2.8	92
13	Transcriptional responses of Hypericum perforatum cells to Agrobacterium tumefaciens and differential gene expression in dark glands. Functional Plant Biology, 2021, 48, 936.	2.1	3
14	Advances in Entomopathogen Isolation: A Case of Bacteria and Fungi. Microorganisms, 2021, 9, 16.	3.6	15
15	Impact of Metal-Based Nanoparticles on Cambisol Microbial Functionality, Enzyme Activity, and Plant Growth. Plants, 2021, 10, 2080.	3.5	13
16	Influence of Silicon on Biocontrol Strategies to Manage Biotic Stress for Crop Protection, Performance, and Improvement. Plants, 2021, 10, 2163.	3.5	31
17	Chitosan Application in Vineyards (Vitis vinifera L. cv. Tinto CÃ£o) Induces Accumulation of Anthocyanins and Other Phenolics in Berries, Mediated by Modifications in the Transcription of Secondary Metabolism Genes. International Journal of Molecular Sciences, 2020, 21, 306.	4.1	27
18	Transgenic expression of Hyp-1 gene from Hypericum perforatum L. alters expression of defense-related genes and modulates recalcitrance to Agrobacterium tumefaciens. Planta, 2020, 251, 13.	3.2	5

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19	Overexpression of polygalacturonase-inhibiting protein (PGIP) gene from Hypericum perforatum alters expression of multiple defense-related genes and modulates recalcitrance to Agrobacterium tumefaciens in tobacco. Journal of Plant Physiology, 2020, 253, 153268.	3.5	8
20	Recent Development in Micropropagation Techniques for Rare Plant Species. Plants, 2020, 9, 1733.	3.5	33
21	A Global Screening Assay to Select for Maize Phenotypes with a High Tolerance or Resistance to Fusarium verticillioides (Sacc.) Nirenberg Rots. Agronomy, 2020, 10, 1990.	3.0	3
22	A Reference List of Phenolic Compounds (Including Stilbenes) in Grapevine (Vitis vinifera L.) Roots, Woods, Canes, Stems, and Leaves. Antioxidants, 2020, 9, 398.	5.1	121
23	Silicates of Potassium and Aluminium (Kaolin); Comparative Foliar Mitigation Treatments and Biochemical Insight on Grape Berry Quality in Vitis vinifera L. (cv. Touriga National and Touriga) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.8	14
24	First Demonstration of Clinical Fusarium Strains Causing Cross-Kingdom Infections from Humans to Plants. Microorganisms, 2020, 8, 947.	3.6	7
25	Comparative Insight upon Chitosan Solution and Chitosan Nanoparticles Application on the Phenolic Content, Antioxidant and Antimicrobial Activities of Individual Grape Components of SousÃ£o Variety. Antioxidants, 2020, 9, 178.	5.1	29
26	Chitosan Upregulates the Genes of the ROS Pathway and Enhances the Antioxidant Potential of Grape (Vitis vinifera L. â€˜Touriga Francaâ€™ and â€™Tinto CÃ£oâ€™) Tissues. Antioxidants, 2019, 8, 525.	5.1	30
27	An efficient protocol for in vitro propagation of the wild legume Cicer microphyllum Benth., a crop wild relative of chickpea (Cicer arietinum L.). In Vitro Cellular and Developmental Biology - Plant, 2019, 55, 9-14.	2.1	8
28	Valorizing faba bean for animal feed supplements via biotechnological approach: Opinion. Biocatalysis and Agricultural Biotechnology, 2019, 17, 366-368.	3.1	6
29	Potential of Entomopathogenic Bacteria and Fungi. Sustainability in Plant and Crop Protection, 2019, , 115-149.	0.4	1
30	Inspection of Crop Wild Relative (Cicer microphyllum) as Potential Genetic Resource in Transgenic Development. , 2019, , 253-272.		1
31	Recent Developments in Generation of Marker-Free Transgenic Plants. , 2019, , 127-142.		1
32	Construction of Hypericin Gland-Specific cDNA Library via Suppression Subtractive Hybridization. Methods in Molecular Biology, 2016, 1391, 317-334.	0.9	3
33	Somatic Embryogenesis in Jatropha curcas. , 2016, , 401-412.		1
34	Construction of cold induced subtracted cDNA library from Cicer microphyllum and transcript characterization of identified novel wound induced gene. Protoplasma, 2013, 250, 459-469.	2.1	7
35	Metallothionein-like gene from Cicer microphyllum is regulated by multiple abiotic stresses. Protoplasma, 2011, 248, 839-847.	2.1	52
36	Induced ectopic expression of At-CBF1 in marker-free transgenic tomatoes confers enhanced chilling tolerance. Plant Cell Reports, 2011, 30, 1019-1028.	5.6	38

#	Article	IF	Citations
37	Isolation of cold stress-responsive genes from Lepidium latifolium by suppressive subtraction hybridization. Acta Physiologiae Plantarum, 2010, 32, 205-210.	2.1	36
38	Agrobacterium mediated genetic transformation of summer squash (Cucurbita pepo L. cv. Australian) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.3	21
39	Metabolites Differentiating Asymptomatic and Symptomatic Grapevine Plants (Vitis vinifera) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	1	