

Manu Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,894
citations

361045

20
h-index

264894

42
g-index

50
all docs

50
docs citations

50
times ranked

2167
citing authors

#	ARTICLE	IF	CITATIONS
1	Insights into genomics of salt stress response in rice. <i>Rice</i> , 2013, 6, 27.	1.7	210
2	Review on biomass feedstocks, pyrolysis mechanism and physicochemical properties of biochar: State-of-the-art framework to speed up vision of circular bioeconomy. <i>Journal of Cleaner Production</i> , 2021, 297, 126645.	4.6	202
3	Wastewater based microalgal biorefinery for bioenergy production: Progress and challenges. <i>Science of the Total Environment</i> , 2021, 751, 141599.	3.9	177
4	A comprehensive overview and recent advances on polyhydroxyalkanoates (PHA) production using various organic waste streams. <i>Bioresource Technology</i> , 2021, 325, 124685.	4.8	138
5	Over-expression of dehydrin gene, <i>OsDhn1</i> , improves drought and salt stress tolerance through scavenging of reactive oxygen species in rice (<i>Oryza sativa</i> L.). <i>Journal of Plant Biology</i> , 2014, 57, 383-393.	0.9	131
6	A Comprehensive Review on the Heavy Metal Toxicity and Sequestration in Plants. <i>Biomolecules</i> , 2022, 12, 43.	1.8	89
7	Functional analysis of a cold-responsive rice WRKY gene, <i>OsWRKY71</i> . <i>Plant Biotechnology Reports</i> , 2016, 10, 13-23.	0.9	80
8	Integration of Abscisic Acid Signaling with Other Signaling Pathways in Plant Stress Responses and Development. <i>Plants</i> , 2019, 8, 592.	1.6	79
9	Molecular breeding in Brassica for salt tolerance: importance of microsatellite (SSR) markers for molecular breeding in Brassica. <i>Frontiers in Plant Science</i> , 2015, 6, 688.	1.7	70
10	Microbial Biosurfactant: A New Frontier for Sustainable Agriculture and Pharmaceutical Industries. <i>Antioxidants</i> , 2021, 10, 1472.	2.2	68
11	Recent Developments in Microbial Electrolysis Cell-Based Biohydrogen Production Utilizing Wastewater as a Feedstock. <i>Sustainability</i> , 2021, 13, 8796.	1.6	53
12	An overview on progress, advances, and future outlook for biohydrogen production technology. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 37264-37281.	3.8	48
13	Ectopic Expression of <i>OsSta2</i> Enhances Salt Stress Tolerance in Rice. <i>Frontiers in Plant Science</i> , 2017, 8, 316.	1.7	47
14	Genome-Wide Identification and Characterization of PIN-FORMED (PIN) Gene Family Reveals Role in Developmental and Various Stress Conditions in <i>Triticum aestivum</i> L.. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7396.	1.8	45
15	Rapid and efficient genetic transformation of the green microalga <i>Chlorella vulgaris</i> . <i>Journal of Applied Phycology</i> , 2018, 30, 1735-1745.	1.5	41
16	Genome-Wide Identification and Characterization of the Brassinazole-resistant (BZR) Gene Family and Its Expression in the Various Developmental Stage and Stress Conditions in Wheat (<i>Triticum aestivum</i>) <i>Tj ETQq0 0 0.8gBT /Overlock 10 T</i>	1.8	38
17	Genome-Wide Identification and Analysis of Genes, Conserved between japonica and indica Rice Cultivars, that Respond to Low-Temperature Stress at the Vegetative Growth Stage. <i>Frontiers in Plant Science</i> , 2017, 8, 1120.	1.7	34
18	MOFs-Graphene Composites Synthesis and Application for Electrochemical Supercapacitor: A Review. <i>Polymers</i> , 2022, 14, 511.	2.0	27

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19	Role of the INDETERMINATE DOMAIN Genes in Plants. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2286.	1.8	24
20	Genome-Wide Analysis and Characterization of the Proline-Rich Extensin-like Receptor Kinases (PERKs) Gene Family Reveals Their Role in Different Developmental Stages and Stress Conditions in Wheat (<i>Triticum aestivum</i> L.). <i>Plants</i> , 2022, 11, 496.	1.6	24
21	Crop Plants and Abiotic Stresses. <i>Journal of Biomolecular Research & Therapeutics</i> , 2014, 03, .	0.2	23
22	Recent Advances in the Development of Laccase-Based Biosensors via Nano-Immobilization Techniques. <i>Chemosensors</i> , 2022, 10, 58.	1.8	19
23	A Comprehensive Overview on the Production of Vaccines in Plant-Based Expression Systems and the Scope of Plant Biotechnology to Combat against SARS-CoV-2 Virus Pandemics. <i>Plants</i> , 2021, 10, 1213.	1.6	15
24	Simple and efficient way to detect small polymorphic bands in plants. <i>Genomics Data</i> , 2015, 5, 218-222.	1.3	14
25	Strigolactone Signaling Genes Showing Differential Expression Patterns in <i>Arabidopsis max</i> Mutants. <i>Plants</i> , 2019, 8, 352.	1.6	14
26	Lack of the β -1,3-Fucosyltransferase Gene (<i>Osfuct</i>) Affects Anther Development and Pollen Viability in Rice. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1225.	1.8	13
27	Lignin-Mediated Silver Nanoparticle Synthesis for Photocatalytic Degradation of Reactive Yellow 4G and In Vitro Assessment of Antioxidant, Antidiabetic, and Antibacterial Activities. <i>Polymers</i> , 2022, 14, 648.	2.0	13
28	CRISPR/Cas9 and Nanotechnology Pertinence in Agricultural Crop Refinement. <i>Frontiers in Plant Science</i> , 2022, 13, 843575.	1.7	13
29	An Insight into the Abiotic Stress Responses of Cultivated Beets (<i>Beta vulgaris</i> L.). <i>Plants</i> , 2022, 11, 12.	1.6	13
30	Potential Anti- <i>Mycobacterium tuberculosis</i> Activity of Plant Secondary Metabolites: Insight with Molecular Docking Interactions. <i>Antioxidants</i> , 2021, 10, 1990.	2.2	12
31	The establishment of new protein expression system using N starvation inducible promoters in <i>Chlorella</i> . <i>Scientific Reports</i> , 2020, 10, 12713.	1.6	11
32	Molecular Docking Studies and Biological Evaluation of Berberine–Benzothiazole Derivatives as an Anti-Influenza Agent via Blocking of Neuraminidase. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2368.	1.8	11
33	Developing Microbial Co-Culture System for Enhanced Polyhydroxyalkanoates (PHA) Production Using Acid Pretreated Lignocellulosic Biomass. <i>Polymers</i> , 2022, 14, 726.	2.0	11
34	Genome-Wide Identification of the Dehydrin Genes in the Cucurbitaceae Species. <i>Plant Breeding and Biotechnology</i> , 2017, 5, 282-292.	0.3	10
35	The complete chloroplast genome sequence of <i>Coix lacryma-jobi</i> L. (Poaceae), a cereal and medicinal crop. <i>Mitochondrial DNA Part B: Resources</i> , 2018, 3, 980-981.	0.2	9
36	An Overview of Recent Advancements in Microbial Polyhydroxyalkanoates (PHA) Production from Dark Fermentation Acidogenic Effluents: A Path to an Integrated Bio-Refinery. <i>Polymers</i> , 2021, 13, 4297.	2.0	9

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37	Advantage of Species Diversification to Facilitate Sustainable Development of Aquaculture Sector. <i>Biology</i> , 2022, 11, 368.	1.3	8
38	Genome-Wide Identification and Classification of the AP2/EREBP Gene Family in the Cucurbitaceae Species. <i>Plant Breeding and Biotechnology</i> , 2017, 5, 123-133.	0.3	7
39	Algal Metabolites Can Be an Immune Booster against COVID-19 Pandemic. <i>Antioxidants</i> , 2022, 11, 452.	2.2	7
40	In Vitro and In Silico Toxicological Properties of Natural Antioxidant Therapeutic Agent Azima tetraantha. <i>LAM. Antioxidants</i> , 2021, 10, 1307.	2.2	5
41	Chloroplast Localized FIBRILLIN11 Is Involved in the Osmotic Stress Response during Arabidopsis Seed Germination. <i>Biology</i> , 2021, 10, 368.	1.3	4
42	Significance of Immune Status of SARS-CoV-2 Infected Patients in Determining the Efficacy of Therapeutic Interventions. <i>Journal of Personalized Medicine</i> , 2022, 12, 349.	1.1	3
43	Detection of Genetic Variation in Crop Plants. <i>Journal of Biomolecular Research & Therapeutics</i> , 2015, 4, .	0.2	2
44	Mechanism of Salt Stress Tolerance and Pathways in Crop Plants. , 2018, , 27-44.		0