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	Recent Advances in the Development of Laccase-Based Biosensors via Nano-Immobilization Techniques. Chemosensors, 2022, 10, 58.	1.8	19
2	MOFs-Graphene Composites Synthesis and Application for Electrochemical Supercapacitor: A Review. Polymers, 2022, 14, 511.	2.0	27
3	Lignin-Mediated Silver Nanoparticle Synthesis for Photocatalytic Degradation of Reactive Yellow 4G and In Vitro Assessment of Antioxidant, Antidiabetic, and Antibacterial Activities. Polymers, 2022, 14, 648.	2.0	13
4	An overview on progress, advances, and future outlook for biohydrogen production technology. International Journal of Hydrogen Energy, 2022, 47, 37264-37281.	3.8	48
5	Developing Microbial Co-Culture System for Enhanced Polyhydroxyalkanoates (PHA) Production Using Acid Pretreated Lignocellulosic Biomass. Polymers, 2022, 14, 726.	2.0	11
6	Significance of Immune Status of SARS-CoV-2 Infected Patients in Determining the Efficacy of Therapeutic Interventions. Journal of Personalized Medicine, 2022, 12, 349.	1.1	3
7	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 (Triticum aestivum L.). Plants, 2022, 11, 496.	1.6	24
8	Algal Metabolites Can Be an Immune Booster against COVID-19 Pandemic. Antioxidants, 2022, 11, 452.	2.2	7
9	Advantage of Species Diversification to Facilitate Sustainable Development of Aquaculture Sector. Biology, 2022, 11, 368.	1.3	8
10	CRISPR/Cas9 and Nanotechnology Pertinence in Agricultural Crop Refinement. Frontiers in Plant Science, 2022, 13, 843575.	1.7	13
11	A Comprehensive Review on the Heavy Metal Toxicity and Sequestration in Plants. Biomolecules, 2022, 12, 43.	1.8	89
12	An Insight into the Abiotic Stress Responses of Cultivated Beets (Beta vulgaris L.). Plants, 2022, 11, 12.	1.6	13
13	Wastewater based microalgal biorefinery for bioenergy production: Progress and challenges. Science of the Total Environment, 2021, 751, 141599.	3.9	177
14	Molecular Docking Studies and Biological Evaluation of Berberineâ€“Benzothiazole Derivatives as an Anti-Influenza Agent via Blocking of Neuraminidase. International Journal of Molecular Sciences, 2021, 22, 2368.	1.8	11
15	Chloroplast Localized FIBRILLIN11 Is Involved in the Osmotic Stress Response during Arabidopsis Seed Germination. Biology, 2021, 10, 368.	1.3	4
16	A comprehensive overview and recent advances on polyhydroxyalkanoates (PHA) production using various organic waste streams. Bioresource Technology, 2021, 325, 124685.	4.8	138
17	Review on biomass feedstocks, pyrolysis mechanism and physicochemical properties of biochar: State-of-the-art framework to speed up vision of circular bioeconomy. Journal of Cleaner Production, 2021, 297, 126645.	4.6	202
18	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. Plants, 2021, 10, 1213.	1.6	15

#	Article	IF	Citations
19	Genome-Wide Identification and Characterization of PIN-FORMED (PIN) Gene Family Reveals Role in Developmental and Various Stress Conditions in Triticum aestivum L.. International Journal of Molecular Sciences, 2021, 22, 7396.	1.8	45
20	In Vitro and In Silico Toxicological Properties of Natural Antioxidant Therapeutic Agent Azima tetracantha. LAM. Antioxidants, 2021, 10, 1307.	2.2	5
21	Recent Developments in Microbial Electrolysis Cell-Based Biohydrogen Production Utilizing Wastewater as a Feedstock. Sustainability, 2021, 13, 8796.	1.6	53
22	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 (Triticum aestivum) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.8	38
23	Microbial Biosurfactant: A New Frontier for Sustainable Agriculture and Pharmaceutical Industries. Antioxidants, 2021, 10, 1472.	2.2	68
24	Potential Anti-Mycobacterium tuberculosis Activity of Plant Secondary Metabolites: Insight with Molecular Docking Interactions. Antioxidants, 2021, 10, 1990.	2.2	12
25	An Overview of Recent Advancements in Microbial Polyhydroxyalkanoates (PHA) Production from Dark Fermentation Acidogenic Effluents: A Path to an Integrated Bio-Refinery. Polymers, 2021, 13, 4297.	2.0	9
26	The establishment of new protein expression system using N starvation inducible promoters in Chlorella. Scientific Reports, 2020, 10, 12713.	1.6	11
27	Strigolactone Signaling Genes Showing Differential Expression Patterns in Arabidopsis max Mutants. Plants, 2019, 8, 352.	1.6	14
28	Role of the INDETERMINATE DOMAIN Genes in Plants. International Journal of Molecular Sciences, 2019, 20, 2286.	1.8	24
29	Integration of Abscisic Acid Signaling with Other Signaling Pathways in Plant Stress Responses and Development. Plants, 2019, 8, 592.	1.6	79
30	Rapid and efficient genetic transformation of the green microalga Chlorella vulgaris. Journal of Applied Phycology, 2018, 30, 1735-1745.	1.5	41
31	The complete chloroplast genome sequence of Coix lacryma-jobi L. (Poaceae), a cereal and medicinal crop. Mitochondrial DNA Part B: Resources, 2018, 3, 980-981.	0.2	9
32	Lack of the Î±1,3-Fucosyltransferase Gene (Osfuct) Affects Anther Development and Pollen Viability in Rice. International Journal of Molecular Sciences, 2018, 19, 1225.	1.8	13
33	Mechanism of Salt Stress Tolerance and Pathways in Crop Plants. , 2018, , 27-44.		0
34	Ectopic Expression of OsSta2 Enhances Salt Stress Tolerance in Rice. Frontiers in Plant Science, 2017, 8, 316.	1.7	47
35	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. Frontiers in Plant Science, 2017, 8, 1120.	1.7	34
36	Genome-Wide Identification and Classification of the AP2/EREBP Gene Family in the Cucurbitaceae Species. Plant Breeding and Biotechnology, 2017, 5, 123-133.	0.3	7

#	Article	IF	Citations
37	Genome-Wide Identification of the Dehydrin Genes in the Cucurbitaceae Species. Plant Breeding and Biotechnology, 2017, 5, 282-292.	0.3	10
38	Functional analysis of a cold-responsive rice WRKY gene, OsWRKY71. Plant Biotechnology Reports, 2016, 10, 13-23.	0.9	80
39	Molecular breeding in Brassica for salt tolerance: importance of microsatellite (SSR) markers for molecular breeding in Brassica. Frontiers in Plant Science, 2015, 6, 688.	1.7	70
40	Simple and efficient way to detect small polymorphic bands in plants. Genomics Data, 2015, 5, 218-222.	1.3	14
41	Detection of Genetic Variation in Crop Plants. Journal of Biomolecular Research & Therapeutics, 2015, 4, .	0.2	2
42	Crop Plants and Abiotic Stresses. Journal of Biomolecular Research & Therapeutics, 2014, 03, .	0.2	23
43	Over-expression of dehydrin gene, OsDhn1, improves drought and salt stress tolerance through scavenging of reactive oxygen species in rice (Oryza sativa L.). Journal of Plant Biology, 2014, 57, 383-393.	0.9	131
44	Insights into genomics of salt stress response in rice. Rice, 2013, 6, 27.	1.7	210