

Ashutosh Pandey

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

2,209
citations

236833

25
h-index

289141

40
g-index

45
all docs

45
docs citations

45
times ranked

2497
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative transcriptome analysis of arsenate and arsenite stresses in rice seedlings. <i>Chemosphere</i> , 2009, 74, 688-702.	4.2	254
2	Modulation of Transcriptome and Metabolome of Tobacco by Arabidopsis Transcription Factor, <i>AtMYB12</i> , Leads to Insect Resistance. <i>Plant Physiology</i> , 2010, 152, 2258-2268.	2.3	216
3	MicroRNA858 Is a Potential Regulator of Phenylpropanoid Pathway and Plant Development. <i>Plant Physiology</i> , 2016, 171, 944-959.	2.3	163
4	CRISPR/Cas9 directed editing of lycopene epsilon-cyclase modulates metabolic flux for β -carotene biosynthesis in banana fruit. <i>Metabolic Engineering</i> , 2020, 59, 76-86.	3.6	144
5	Expression of Arabidopsis MYB transcription factor, <i>AtMYB111</i> , in tobacco requires light to modulate flavonol content. <i>Scientific Reports</i> , 2014, 4, 5018.	1.6	92
6	Isolation, screening and comprehensive characterization of candidate microalgae for biofuel feedstock production and dairy effluent treatment: A sustainable approach. <i>Bioresource Technology</i> , 2019, 293, 121998.	4.8	83
7	Co-expression of Arabidopsis transcription factor, <i>AtMYB12</i> , and soybean isoflavone synthase, <i>GmIFS1</i> , genes in tobacco leads to enhanced biosynthesis of isoflavones and flavonols resulting in osteoprotective activity. <i>Plant Biotechnology Journal</i> , 2014, 12, 69-80.	4.1	80
8	Constitutive expression of Arabidopsis MYB transcription factor, <i>AtMYB11</i> , in tobacco modulates flavonoid biosynthesis in favor of flavonol accumulation. <i>Plant Cell Reports</i> , 2015, 34, 1515-1528.	2.8	80
9	Genome-wide analysis of the AP2/ERF family in <i>Musa</i> species reveals divergence and neofunctionalisation during evolution. <i>Scientific Reports</i> , 2016, 6, 18878.	1.6	75
10	Molecular subtypes of colorectal cancer: An emerging therapeutic opportunity for personalized medicine. <i>Genes and Diseases</i> , 2021, 8, 133-145.	1.5	71
11	Development of <i>AtMYB12</i> -expressing transgenic tobacco callus culture for production of rutin with biopesticidal potential. <i>Plant Cell Reports</i> , 2012, 31, 1867-1876.	2.8	66
12	<i>AtMYB12</i> expression in tomato leads to large scale differential modulation in transcriptome and flavonoid content in leaf and fruit tissues. <i>Scientific Reports</i> , 2015, 5, 12412.	1.6	66
13	Genome-Wide Analysis of the <i>Musa</i> WRKY Gene Family: Evolution and Differential Expression during Development and Stress. <i>Frontiers in Plant Science</i> , 2016, 7, 299.	1.7	55
14	Low Temperature-Enhanced Flavonol Synthesis Requires Light-Associated Regulatory Components in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2018, 59, 2099-2112.	1.5	55
15	Genome-wide Expression Analysis and Metabolite Profiling Elucidate Transcriptional Regulation of Flavonoid Biosynthesis and Modulation under Abiotic Stresses in Banana. <i>Scientific Reports</i> , 2016, 6, 31361.	1.6	52
16	Nitric oxide alters nitrogen metabolism and PIN gene expressions by playing protective role in arsenic challenged <i>Brassica juncea</i> L. <i>Ecotoxicology and Environmental Safety</i> , 2019, 176, 95-107.	2.9	48
17	Molecular components associated with the regulation of flavonoid biosynthesis. <i>Plant Science</i> , 2022, 317, 111196.	1.7	42
18	The R2R3-MYB gene family in banana (<i>Musa acuminata</i>): Genome-wide identification, classification and expression patterns. <i>PLoS ONE</i> , 2020, 15, e0239275.	1.1	39

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19	Development and cost-benefit analysis of a novel process for biofuel production from microalgae using pre-treated high-strength fresh cheese whey wastewater. <i>Environmental Science and Pollution Research</i> , 2020, 27, 23963-23980.	2.7	37
20	The R2R3-MYB transcription factor MtMYB134 orchestrates flavonol biosynthesis in <i>Medicago truncatula</i> . <i>Plant Molecular Biology</i> , 2021, 106, 157-172.	2.0	37
21	Multi-objective optimization of media nutrients for enhanced production of algae biomass and fatty acid biosynthesis from <i>Chlorella pyrenoidosa</i> NCIM 2738. <i>Bioresource Technology</i> , 2016, 200, 940-950.	4.8	36
22	Genome-Wide Identification and Expression Analysis of Homeodomain Leucine Zipper Subfamily IV (HDZ) Tj ETQq0,0,0 rgBT /Overlock 1	1.7	34
23	Characterization of isoflavone synthase gene from <i>Psoralea corylifolia</i> : a medicinal plant. <i>Plant Cell Reports</i> , 2010, 29, 747-755.	2.8	31
24	Regulation of Banana Phytoene Synthase (MaPSY) Expression, Characterization and Their Modulation under Various Abiotic Stress Conditions. <i>Frontiers in Plant Science</i> , 2017, 8, 462.	1.7	30
25	Ultrasound-intensified biodiesel production from algal biomass: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 209-229.	8.3	28
26	DEVELOPMENT AND OPTIMIZATION OF HPLC-PDA-MS-MS METHOD FOR SIMULTANEOUS QUANTIFICATION OF THREE CLASSES OF FLAVONOIDS IN LEGUME SEEDS, VEGETABLES, FRUITS, AND MEDICINAL PLANTS. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2011, 34, 1729-1742.	0.5	27
27	Compendium of Plant-Specific CRISPR Vectors and Their Technical Advantages. <i>Life</i> , 2021, 11, 1021.	1.1	26
28	Genetically engineered flavonol enriched tomato fruit modulates chondrogenesis to increase bone length in growing animals. <i>Scientific Reports</i> , 2016, 6, 21668.	1.6	24
29	Protective role of nitric oxide on nitrogen-thiol metabolism and amino acids profiling during arsenic exposure in <i>Oryza sativa</i> L. <i>Ecotoxicology</i> , 2020, 29, 825-836.	1.1	24
30	COP1 mediates light-dependent regulation of flavonol biosynthesis through HY5 in <i>Arabidopsis</i> . <i>Plant Science</i> , 2021, 303, 110760.	1.7	23
31	Characterization and Expression Analysis of Phytoene Synthase from Bread Wheat (<i>Triticum aestivum</i>) Tj ETQq1 1 0.784314 rgBT /Ov	1.1	28
32	Molecular Characterization Revealed the Role of Thaumatin-Like Proteins of Bread Wheat in Stress Response. <i>Frontiers in Plant Science</i> , 2021, 12, 807448.	1.7	23
33	Emerging tools and paradigm shift of gene editing in cereals, fruits, and horticultural crops for enhancing nutritional value and food security. <i>Food and Energy Security</i> , 2021, 10, e258.	2.0	21
34	Harvesting of freshwater microalgae <i>Scenedesmus</i> sp. by electro-“coagulation”-flocculation for biofuel production: effects on spent medium recycling and lipid extraction. <i>Environmental Science and Pollution Research</i> , 2020, 27, 3497-3507.	2.7	20
35	MAPK cascade gene family in <i>Camellia sinensis</i> : In-silico identification, expression profiles and regulatory network analysis. <i>BMC Genomics</i> , 2020, 21, 613.	1.2	15
36	Novel microRNAs regulating ripening-associated processes in banana fruit. <i>Plant Growth Regulation</i> , 2020, 90, 223-235.	1.8	14

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37	Molecular Characterization, Evolutionary Analysis, and Expression Profiling of BOR Genes in Important Cereals. <i>Plants</i> , 2022, 11, 911.	1.6	14
38	Interplay between R2R3 MYB-type activators and repressors regulates proanthocyanidin biosynthesis in banana (<i>Musa acuminata</i>). <i>New Phytologist</i> , 2022, 236, 1108-1127.	3.5	14
39	Provitamin A Enrichment for Tackling Malnutrition. , 2016, , 277-299.		9
40	Scenedesmus sp. ASK22 cultivation using simulated dairy wastewater for nutrient sequestration and biofuel production: insight into fuel properties and their blends. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 3305-3317.	2.9	5
41	Two homeologous MATE transporter genes, <i>NtMATE21</i> and <i>NtMATE22</i> , are involved in the modulation of plant growth and flavonol transport in <i>Nicotiana tabacum</i> . <i>Journal of Experimental Botany</i> , 2022, 73, 6186-6206.	2.4	5
42	Synthetic Metabolism and Its Significance in Agriculture. , 2019, , 365-391.		3
43	Targeted Metabolite Profiling of Five Cultivars of <i>Vitis vinifera</i> L. Fruits. <i>ACS Food Science & Technology</i> , 2021, 1, 653-659.	1.3	0