Ajay Kumar Pandey

List of Publications by Year
in descending order

37	1,355	394286 19	377752 34
papers	citations	h-index	g-index

44	44	44	1720
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Physiological and molecular response of colored wheat seedlings against phosphate deficiency is linked to accumulation of distinct anthocyanins. Plant Physiology and Biochemistry, 2022, 170, 338-349.	2.8	10
2	Diverse Functions of Plant Zinc-Induced Facilitator-like Transporter for Their Emerging Roles in Crop Trait Enhancement. Plants, 2022, 11, 102.	1.6	4
3	Strategies and Bottlenecks in Hexaploid Wheat to Mobilize Soil Iron to Grains. Frontiers in Plant Science, 2022, 13, 863849.	1.7	2
4	Multi-metal tolerance of DHHC palmitoyl transferase-like protein isolated from metal contaminated soil. Ecotoxicology, 2021, 30, 67-79.	1.1	1
5	Dissecting the nutrient partitioning mechanism in rice grain using spatially resolved gene expression profiling. Journal of Experimental Botany, 2021, 72, 2212-2230.	2.4	13
6	Spotlight on the overlapping routes and partners for anthocyanin transport in plants. Physiologia Plantarum, 2021, 171, 868-881.	2.6	27
7	Carotenoid cleavage dioxygenases (HD-CCD1A and B) contribute as strong negative regulators of Î²-carotene in Indian bread wheat (cv. HD2967). 3 Biotech, 2021, 11, 221.	1.1	5
8	Decoding the genome of superior chapatti quality Indian wheat variety â€˜C 306â€™ unravelled novel genomic variants for chapatti and nutrition quality related genes. Genomics, 2021, 113, 1919-1929.	1.3	5
9	Physiological and molecular responses to combinatorial iron and phosphate deficiencies in hexaploid wheat seedlings. Genomics, 2021, 113, 3935-3950.	1.3	8
10	Wheat Quality Improvement for Micronutrients. , 2021, , 43-69.		4
11	Wheat inositol pyrophosphate kinase TaVIH2-3B modulates cell-wall composition and drought tolerance in Arabidopsis. BMC Biology, 2021, 19, 261.	1.7	4
12	Spatio-temporal distribution of micronutrients in rice grains and its regulation. Critical Reviews in Biotechnology, 2020, 40, 490-507.	5.1	14
13	Gene Expression Pattern of Vacuolar-Iron Transporter-Like (VTL) Genes in Hexaploid Wheat during Metal Stress. Plants, 2020, 9, 229.	1.6	26
14	CRISPR/Cas9 directed editing of lycopene epsilon-cyclase modulates metabolic flux for Î²-carotene biosynthesis in banana fruit. Metabolic Engineering, 2020, 59, 76-86.	3.6	144
15	Genome-wide analysis of oligopeptide transporters and detailed characterization of yellow stripe transporter genes in hexaploid wheat. Functional and Integrative Genomics, 2019, 19, 75-90.	1.4	60
16	Overlapping transcriptional expression response of wheat zinc-induced facilitator-like transporters emphasize important role during Fe and Zn stress. BMC Molecular Biology, 2019, 20, 22.	3.0	35
17	ABC Transporter-Mediated Transport of Glutathione Conjugates Enhances Seed Yield and Quality in Chickpea. Plant Physiology, 2019, 180, 253-275.	2.3	21
18	Integrative analysis of hexaploid wheat roots identifies signature components during iron starvation. Journal of Experimental Botany, 2019, 70, 6141-6161.	2.4	48

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19	Rpp1 Encodes a ULP1-NBS-LRR Protein That Controls Immunity to Phakopsora pachyrhizi in Soybean. Molecular Plant-Microbe Interactions, 2019, 32, 120-133.	1.4	26
20	RNAi-Mediated Downregulation of Inositol Pentakisphosphate Kinase (IPK1) in Wheat Grains Decreases Phytic Acid Levels and Increases Fe and Zn Accumulation. Frontiers in Plant Science, 2018, 9, 259.	1.7	180
21	Phosphorus Transport in Arabidopsis and Wheat: Emerging Strategies to Improve P Pool in Seeds. Agriculture (Switzerland), 2018, 8, 27.	1.4	9
22	Phosphate, phytate and phytases in plants: from fundamental knowledge gained in Arabidopsis to potential biotechnological applications in wheat. Critical Reviews in Biotechnology, 2017, 37, 898-910.	5.1	53
23	Molecular Characterization and Global Expression Analysis of Lectin Receptor Kinases in Bread Wheat (Triticum aestivum). PLoS ONE, 2016, 11, e0153925.	1.1	73
24	Silencing ofABCC13transporter in wheat reveals its involvement in grain development, phytic acid accumulation and lateral root formation. Journal of Experimental Botany, 2016, 67, 4379-4389.	2.4	100
25	Characterization and Expression Analysis of Phytoene Synthase from Bread Wheat (Triticum aestivum) Tj ETQq1 1 0.784314 rgBT /Ov	1.1	28
26	Biochemical characterization and spatio-temporal expression of myo-inositol oxygenase (MIOX) from wheat (Triticum aestivum L.). Plant Gene, 2015, 4, 10-19.	1.4	12
27	Hormonal Regulation and Expression Profiles of Wheat Genes Involved during Phytic Acid Biosynthesis Pathway. Plants, 2015, 4, 298-319.	1.6	20
28	Genome-wide identification and expression characterization of ABCC-MRP transporters in hexaploid wheat. Frontiers in Plant Science, 2015, 6, 488.	1.7	50
29	Differential expression of structural genes for the late phase of phytic acid biosynthesis in developing seeds of wheat (Triticum aestivum L.). Plant Science, 2014, 224, 74-85.	1.7	68
30	Functional Analysis of the Asian Soybean Rust Resistance Pathway Mediated by Rpp2. Molecular Plant-Microbe Interactions, 2011, 24, 194-206.	1.4	66
31	Identification of PTM5 protein interaction partners, a MADS-box gene involved in aspen tree vegetative development. Gene, 2007, 391, 209-222.	1.0	12
32	Disease resistance to bacterial pathogens affected by the amount of ferredoxin-I protein in plants. Molecular Plant Pathology, 2007, 8, 129-137.	2.0	41
33	The auxinâ€inducible GH3 homologue Ppâ€GH3.16 is downregulated in Pinus pinaster root systems on ectomycorrhizal symbiosis establishment. New Phytologist, 2006, 170, 391-400.	3.5	39
34	Expression of the Hypersensitive Response-assisting Protein in Arabidopsis Results in Harpin-dependent Hypersensitive Cell Death in Response to Erwinia carotovora. Plant Molecular Biology, 2005, 59, 771-780.	2.0	26
35	A hypersensitive response was induced by virulent bacteria in transgenic tobacco plants overexpressing a plant ferredoxin-like protein (PFLP). Physiological and Molecular Plant Pathology, 2004, 64, 103-110.	1.3	48
36	ITS-RFLP and ITS sequence analysis of a foliar endophytic Phyllosticta from different tropical trees. Mycological Research, 2003, 107, 439-444.	2.5	58

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37	The auxin responsive gene Pp-C61 is up-regulated in Pinus pinaster roots following inoculation with ectomycorrhizal fungi. Plant, Cell and Environment, 2003, 26, 681-691.	2.8	15