Supratim Basu

List of Publications by Year
in descending order

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23 papers	2,034 citations	516710 16 h-index	642732 23 g-index
25 all docs	25 docs citations	25 times ranked	2494 citing authors

#	Article	IF	Citations
1	Plant adaptation to drought stress. F1000Research, 2016, 5, 1554.	1.6	538
2	Cross-talk between abscisic acid-dependent and abscisic acid-independent pathways during abiotic stress. Plant Cell Reports, 2013, 32, 985-1006.	5.6	317
3	Amelioration of salinity stress by exogenously applied spermidine or spermine in three varieties of indica rice differing in their level of salt tolerance. Journal of Plant Physiology, 2011, 168, 317-328.	3.5	219
4	Differential antioxidative responses of indica rice cultivars to drought stress. Plant Growth Regulation, 2010, 60, 51-59.	3.4	176
5	Comparative physiological and molecular responses of a common aromatic indica rice cultivar to high salinity with non-aromatic indica rice cultivars. Plant Cell Reports, 2008, 27, 1395-1410.	5.6	170
6	Antioxidants and stress-related metabolites in the seedlings of two indica rice varieties exposed to cadmium chloride toxicity. Acta Physiologiae Plantarum, 2012, 34, 835-847.	2.1	143
7	Rice GROWTH UNDER DROUGHT KINASE Is Required for Drought Tolerance and Grain Yield under Normal and Drought Stress Conditions. Plant Physiology, 2014, 166, 1634-1645.	4.8	87
8	Comparative analysis of some biochemical responses of three indica rice varieties during polyethylene glycol-mediated water stress exhibits distinct varietal differences. Acta Physiologiae Plantarum, 2010, 32, 551-563.	2.1	71
9	Expression Profiling of Abiotic Stress-Inducible Genes in response to Multiple Stresses in Rice (Oryza sativaL.) Varieties with Contrasting Level of Stress Tolerance. BioMed Research International, 2014, 2014, 1-12.	1.9	63
10	Effects of exogenous abscisic acid on some physiological responses in a popular aromatic indica rice compared with those from two traditional non-aromatic indica rice cultivars. Acta Physiologiae Plantarum, 2009, 31, 915-926.	2.1	47
11	Analysis of Stress-Responsive Gene Expression in Cultivated and Weedy Rice Differing in Cold Stress Tolerance. PLoS ONE, 2015, 10, e0132100.	2.5	35
12	Cold tolerance response mechanisms revealed through comparative analysis of gene and protein expression in multiple rice genotypes. PLoS ONE, 2019, 14, e0218019.	2.5	33
13	Identification of trans-acting factors regulating SamDC expression in Oryza sativa. Biochemical and Biophysical Research Communications, 2014, 445, 398-403.	2.1	21
14	Deciphering the Role of various cis-acting regulatory elements in controlling SamDC gene expression in Rice. Plant Signaling and Behavior, 2014, 9, e28391.	2.4	17
15	Comparative analysis of gene expression in response to cold stress in diverse rice genotypes. Biochemical and Biophysical Research Communications, 2016, 471, 253-259.	2.1	16
16	Carbohydrate content and antioxidative potential of the seed of three edible indica rice (Oryza sativa) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.0	16
17	Using Network-Based Machine Learning to Predict Transcription Factors Involved in Drought Resistance. Frontiers in Genetics, 2021, 12, 652189.	2.3	15
18	Physiological and transcriptional responses to low-temperature stress in rice genotypes at the reproductive stage. Plant Signaling and Behavior, 2019, 14, e1581557.	2.4	14

#	Article	IF	Citations
19	Coping with inclement weather conditions due to high temperature and water deficit in rice: An insight from genetic and biochemical perspectives. Physiologia Plantarum, 2021, 172, 487-504.	5.2	13
20	Transcript profiling of stressâ€responsive genes and metabolic changes during salinity in indica and japonica rice exhibit distinct varietal difference. Physiologia Plantarum, 2021, 173, 1434-1447.	5.2	8
21	Comparative expression of two abscisic acid-inducible genes and proteins in seeds of aromatic indica rice cultivar with that of non-aromatic indica rice cultivars. Indian Journal of Experimental Biology, 2009, 47, 827-33.	0.0	7
22	Regulation of grain yield in rice under well-watered and drought stress conditions by GUDK. Plant Signaling and Behavior, 2015, 10, e1034421.	2.4	6
23	Two Liberibacter Proteins Combine to Suppress Critical Innate Immune Defenses in Citrus. Frontiers in Plant Science, 2022, 13, 869178.	3.6	1