

Prafull Salvi

List of Publications by Year in descending order

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27
papers

1,043
citations

430874
18
h-index

552781
26
g-index

28
all docs

28
docs citations

28
times ranked

855
citing authors

#	ARTICLE	IF	CITATIONS
1	Transcription factors as key molecular target to strengthen the drought stress tolerance in plants. <i>Physiologia Plantarum</i> , 2021, 172, 847-868.	5.2	131
2	Phytohormone signaling and crosstalk in regulating drought stress response in plants. <i>Plant Cell Reports</i> , 2021, 40, 1305-1329.	5.6	113
3	Differentially expressed seed aging responsive heat shock protein OshSP18.2 implicates in seed vigor, longevity and improves germination and seedling establishment under abiotic stress. <i>Frontiers in Plant Science</i> , 2015, 6, 713.	3.6	103
4	Differentially expressed galactinol synthase(s) in chickpea are implicated in seed vigor and longevity by limiting the age induced ROS accumulation. <i>Scientific Reports</i> , 2016, 6, 35088.	3.3	76
5	Stress-Inducible Galactinol Synthase of Chickpea (CaGolS) is Implicated in Heat and Oxidative Stress Tolerance Through Reducing Stress-Induced Excessive Reactive Oxygen Species Accumulation. <i>Plant and Cell Physiology</i> , 2018, 59, 155-166.	3.1	76
6	Imperative role of sugar signaling and transport during drought stress responses in plants. <i>Physiologia Plantarum</i> , 2021, 171, 833-848.	5.2	73
7	Rice PROTEIN <sc> </sc>â€œISOASPARTYL METHYLTRANSFERASE isoforms differentially accumulate during seed maturation to restrict deleterious isoAsp and reactive oxygen species accumulation and are implicated in seed vigor and longevity. <i>New Phytologist</i> , 2016, 211, 627-645.	7.3	63
8	Differentially expressed myo-inositol monophosphatase gene (CaIMP) in chickpea (<i>Cicer arietinum</i> L.) encodes a lithium-sensitive phosphatase enzyme with broad substrate specificity and improves seed germination and seedling growth under abiotic stresses. <i>Journal of Experimental Botany</i> , 2013, 64, 5623-5639.	4.8	56
9	Ectopic overexpression of cytosolic ascorbate peroxidase gene (Apx1) improves salinity stress tolerance in <i>Brassica juncea</i> by strengthening antioxidative defense mechanism. <i>Acta Physiologiae Plantarum</i> , 2020, 42, 1.	2.1	37
10	Exploration of silicate solubilizing bacteria for sustainable agriculture and silicon biogeochemical cycle. <i>Plant Physiology and Biochemistry</i> , 2021, 166, 827-838.	5.8	36
11	Ectopic over-expression of ABA-responsive Chickpea galactinol synthase (CaGolS) gene results in improved tolerance to dehydration stress by modulating ROS scavenging. <i>Environmental and Experimental Botany</i> , 2020, 171, 103957.	4.2	34
12	Arabidopsis SKP1-like protein13 (ASK13) positively regulates seed germination and seedling growth under abiotic stress. <i>Journal of Experimental Botany</i> , 2018, 69, 3899-3915.	4.8	33
13	Biological potential of bioactive metabolites derived from fungal endophytes associated with medicinal plants. <i>Mycological Progress</i> , 2021, 20, 577-594.	1.4	32
14	Sugar transporters and their molecular tradeoffs during abiotic stress responses in plants. <i>Physiologia Plantarum</i> , 2022, 174, e13652.	5.2	31
15	Insertional Mutagenesis Approaches and Their Use in Rice for Functional Genomics. <i>Plants</i> , 2019, 8, 310.	3.5	25
16	Assessment of Biological Activities of Fungal Endophytes Derived Bioactive Compounds Isolated from <i>Amoora rohituka</i> . <i>Journal of Fungi</i> (Basel, Switzerland), 2022, 8, 285.	3.5	24
17	Molecular cloning, in-silico characterization and functional validation of monodehydroascorbate reductase gene in <i>Eleusine coracana</i> . <i>PLoS ONE</i> , 2017, 12, e0187793.	2.5	21
18	Arabidopsis protein I-ISOASPARTYL METHYLTRANSFERASE repairs isoaspartyl damage to antioxidant enzymes and increases heat and oxidative stress tolerance. <i>Journal of Biological Chemistry</i> , 2020, 295, 783-799.	3.4	20

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19	<i>Arabidopsis</i> protein I-ISOASPARTYL METHYLTRANSFERASE repairs isoaspartyl damage to antioxidant enzymes and increases heat and oxidative stress tolerance. <i>Journal of Biological Chemistry</i> , 2020, 295, 783-799.	3.4	16
20	Antimicrobial Potential of Essential Oils from Aromatic Plant <i>Ocimum</i> sp.; A Comparative Biochemical Profiling and In-Silico Analysis. <i>Agronomy</i> , 2022, 12, 627.	3.0	13
21	Efficient Genetic Transformation of Rice for CRISPR/Cas9 Mediated Genome-Editing and Stable Overexpression Studies: A Case Study on Rice Lipase 1 and Galactinol Synthase Encoding Genes. <i>Agronomy</i> , 2022, 12, 179.	3.0	9
22	Deciphering the structural basis of the broad substrate specificity of myo-inositol monophosphatase (IMP) from <i>Cicer arietinum</i> . <i>International Journal of Biological Macromolecules</i> , 2020, 151, 967-975.	7.5	6
23	A rapid, efficient, and low-cost BiFC protocol and its application in studying in vivo interaction of seed-specific transcription factors, RISBZ and RPBF. <i>Functional and Integrative Genomics</i> , 2021, 21, 593-603.	3.5	6
24	A conserved NAG motif is critical to the catalytic activity of galactinol synthase, a key regulatory enzyme of RFO biosynthesis. <i>Biochemical Journal</i> , 2021, 478, 3939-3955.	3.7	5
25	Expression of ECMYB Transcription Factor Gene Under Different Abiotic Stress Conditions in <i>Eleusine coracana</i> . <i>International Journal of Agriculture Environment and Biotechnology</i> , 2018, 11, .	0.1	3
26	Gateway cloning and in-planta transformation of drought stress responsive <i>Ecmyb1</i> gene isolated from <i>Eleusine coracana</i> var. PRM 6107. <i>Environment Conservation Journal</i> , 2021, 22, 205-211.	0.2	1
27	Stress Responsive <i>Oshypr16</i> Promoter Driven Early Expression of Resistance Gene <i>Pi54</i> Potentiate the Resistance Against <i>Magnaporthe oryzae</i> In Transgenic Rice. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0