# Prafull Salvi

List of Publications by Year
in descending order



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|---|---|---|---|
| 27 papers | 1,043 citations | 430843 18 h-index | 552766 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. Physiologia Plantarum, 2021, 172, 847-868. | 5.2 | 131 |
| 2 | Phytohormone signaling and crosstalk in regulating drought stress response in plants. Plant Cell Reports, 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. Frontiers in Plant Science, 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. Scientific Reports, 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. Plant and Cell Physiology, 2018, 59, 155-166. | 3.1 | 76 |
| 6 | Imperative role of sugar signaling and transport during drought stress responses in plants. Physiologia Plantarum, 2021, 171, 833-848. | 5.2 | 73 |
| 7 | Rice PROTEIN <scp>l</scp>â€ISOASPARTYL METHYLTRANSFERASE isoforms differentially accumulate during seed maturation to restrict deleterious isoAsp and reactive oxygen species accumulation and are implicated in seed vigor and longevity. New Phytologist, 2016, 211, 627-645. | 7.3 | 63 |
| 8 | Differentially expressed myo-inositol monophosphatase gene (CaIMP) in chickpea (Cicer arietinum L.) encodes a lithium-sensitive phosphatase enzyme with broad substrate specificity and improves seed germination and seedling growth under abiotic stresses. Journal of Experimental Botany, 2013, 64, 5623-5639. | 4.8 | 56 |
| 9 | Ectopic overexpression of cytosolic ascorbate peroxidase gene (Apx1) improves salinity stress tolerance in Brassica juncea by strengthening antioxidative defense mechanism. Acta Physiologiae Plantarum, 2020, 42, 1. | 2.1 | 37 |
| 10 | Exploration of silicate solubilizing bacteria for sustainable agriculture and silicon biogeochemical cycle. Plant Physiology and Biochemistry, 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. Environmental and Experimental Botany, 2020, 171, 103957. | 4.2 | 34 |
| 12 | Arabidopsis SKP1-like protein13 (ASK13) positively regulates seed germination and seedling growth under abiotic stress. Journal of Experimental Botany, 2018, 69, 3899-3915. | 4.8 | 33 |
| 13 | Biological potential of bioactive metabolites derived from fungal endophytes associated with medicinal plants. Mycological Progress, 2021, 20, 577-594. | 1.4 | 32 |
| 14 | Sugar transporters and their molecular tradeoffs during abiotic stress responses in plants. Physiologia Plantarum, 2022, 174, e13652. | 5.2 | 31 |
| 15 | Insertional Mutagenesis Approaches and Their Use in Rice for Functional Genomics. Plants, 2019, 8, 310. | 3.5 | 25 |
| 16 | Assessment of Biological Activities of Fungal Endophytes Derived Bioactive Compounds Isolated from Amoora rohituka. Journal of Fungi (Basel, Switzerland), 2022, 8, 285. | 3.5 | 24 |
| 17 | Molecular cloning, in-silico characterization and functional validation of monodehydroascorbate reductase gene in Eleusine coracana. PLoS ONE, 2017, 12, e0187793. | 2.5 | 21 |
| 18 | Arabidopsis protein l-ISOASPARTYL METHYLTRANSFERASE repairs isoaspartyl damage to antioxidant enzymes and increases heat and oxidative stress tolerance. Journal of Biological Chemistry, 2020, 295, 783-799. | 3.4 | 20 |

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| 19 | Arabidopsis protein l-ISOASPARTYL METHYLTRANSFERASE repairs isoaspartyl damage to antioxidant enzymes and increases heat and oxidative stress tolerance. Journal of Biological Chemistry, 2020, 295, 783-799. | 3.4 | 16 |
| 20 | Antimicrobial Potential of Essential Oils from Aromatic Plant Ocimum sp.; A Comparative Biochemical Profiling and In-Silico Analysis. Agronomy, 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. Agronomy, 2022, 12, 179. | 3.0 | 9 |
| 22 | Deciphering the structural basis of the broad substrate specificity of myo-inositol monophosphatase (IMP) from Cicer arietinum. International Journal of Biological Macromolecules, 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. Functional and Integrative Genomics, 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. Biochemical Journal, 2021, 478, 3939-3955. | 3.7 | 5 |
| 25 | Expression of ECMYB Transcription Factor Gene Under Different Abiotic Stress Conditions in Eleusine coracana. International Journal of Agriculture Environment and Biotechnology, 2018, 11, . | 0.1 | 3 |
| 26 | Gateway cloning and in-planta transformation of drought stress responsive Ecmyb1 gene isolated from Eleusine coracana var.PRM 6107. Environment Conservation Journal, 2021, 22, 205-211. | 0.2 | 1 |
| 27 | Stress ResponsiveÂOshyprp16ÂPromoter Driven Early Expression of Resistance GeneÂPi54ÂPotentiate the Resistance AgainstÂMagnaporthe OryzaeÂIn Transgenic Rice. SSRN Electronic Journal, 0, , . | 0.4 | 0 |