Nitin Uttam Kamble

List of Publications by Citations

15 papers	334 citations	9 h-index	16 g-index
16 ext. papers	460 ext. citations	5.5 avg, IF	3.53 L-index

#	Paper	IF	Citations
15	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	6.2	72
14	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	4.9	47
13	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**,	7	44
12	Rice PROTEIN l-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, 627-45	9.8	44
11	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	4.9	41
10	Arabidopsis SKP1-like protein13 (ASK13) positively regulates seed germination and seedling growth under abiotic stress. *Journal of Experimental Botany*, **2018**, 69, 3899-3915	7	18
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	2.6	17
8	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	5.9	17
7	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	5.4	10
6	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	5.4	8
5	A protein repairing enzyme, PROTEIN L- ISOASPARTYL METHYLTRANSFERASE is involved in salinity stress tolerance by increasing efficiency of ROS-scavenging enzymes. *Environmental and Experimental Botany*, **2020**, 180, 104266	5.9	5
4	PROTEIN l-ISOASPARTYL METHYLTRANSFERASE (PIMT) in plants: regulations and functions. *Biochemical Journal*, **2020**, 477, 4453-4471	3.8	3
3	ABI transcription factors and PROTEIN L-ISOASPARTYL METHYLTRANSFERASE module mediate seed desiccation tolerance and longevity in Oryza sativa. *Development (Cambridge)*, **2022**, 149,	6.6	3
2	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	7.9	2
1	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	3.8	1