

Nitin Uttam Kamble

List of Publications by Year in descending order

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16
papers

559
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840119

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#	ARTICLE	IF	CITATIONS
1	ABI transcription factors and PROTEIN L-ISOASPARTYL METHYLTRANSFERASE module mediate seed desiccation tolerance and longevity in <i>Oryza sativa</i> . <i>Development</i> (Cambridge), 2022, 149, .	1.2	11
2	<i>Arabidopsis</i> ABSCISIC ACID INSENSITIVE4 targets PROTEIN L-ISOASPARTYL METHYLTRANSFERASE1 in seed. <i>Planta</i> , 2022, 256, .	1.6	4
3	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.	1.7	5
4	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.	3.6	6
5	<i>Arabidopsis</i> protein L-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.	1.6	16
6	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.	2.0	34
7	A protein repairing enzyme, PROTEIN L- ISOASPARTYL METHYLTRANSFERASE is involved in salinity stress tolerance by increasing efficiency of ROS-scavenging enzymes. <i>Environmental and Experimental Botany</i> , 2020, 180, 104266.	2.0	11
8	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.	1.0	37
9	<i>Arabidopsis</i> protein L-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.	1.6	20
10	PROTEIN L-ISOASPARTYL METHYLTRANSFERASE (PIMT) in plants: regulations and functions. <i>Biochemical Journal</i> , 2020, 477, 4453-4471.	1.7	8
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. <i>Plant and Cell Physiology</i> , 2018, 59, 155-166.	1.5	76
12	<i>Arabidopsis</i> SKP1-like protein13 (ASK13) positively regulates seed germination and seedling growth under abiotic stress. <i>Journal of Experimental Botany</i> , 2018, 69, 3899-3915.	2.4	33
13	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. <i>New Phytologist</i> , 2016, 211, 627-645.	3.5	63
14	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.	1.6	76
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. <i>Frontiers in Plant Science</i> , 2015, 6, 713.	1.7	103
16	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.	2.4	56