

Malgorzata Garnczarska

List of Publications by Citations

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30
papers

843
citations

15
h-index

29
g-index

34
ext. papers

1,058
ext. citations

3.7
avg, IF

4.22
L-index

#	Paper	IF	Citations
30	Different Modes of Hydrogen Peroxide Action During Seed Germination. <i>Frontiers in Plant Science</i> , 2016 , 7, 66	6.2	188
29	Deciphering priming-induced improvement of rapeseed (<i>Brassica napus</i> L.) germination through an integrated transcriptomic and proteomic approach. <i>Plant Science</i> , 2015 , 231, 94-113	5.3	93
28	A comparative study of water distribution, free radical production and activation of antioxidative metabolism in germinating pea seeds. <i>Journal of Plant Physiology</i> , 2006 , 163, 1207-20	3.6	84
27	Enhanced expression of the proline synthesis gene P5CSA in relation to seed osmopriming improvement of <i>Brassica napus</i> germination under salinity stress. <i>Journal of Plant Physiology</i> , 2015 , 183, 1-12	3.6	83
26	Molecular processes induced in primed seeds-increasing the potential to stabilize crop yields under drought conditions. <i>Journal of Plant Physiology</i> , 2016 , 203, 116-126	3.6	60
25	Effect of a short-term hypoxic treatment followed by re-aeration on free radicals level and antioxidative enzymes in lupine roots. <i>Plant Physiology and Biochemistry</i> , 2004 , 42, 233-40	5.4	44
24	Response of the ascorbate-glutathione cycle to re-aeration following hypoxia in lupine roots. <i>Plant Physiology and Biochemistry</i> , 2005 , 43, 583-90	5.4	31
23	Water uptake and distribution in germinating lupine seeds studied by magnetic resonance imaging and NMR spectroscopy. <i>Physiologia Plantarum</i> , 2007 , 130, 23-32	4.6	29
22	Metabolic and ultrastructural responses of lupine embryo axes to sugar starvation. <i>Journal of Plant Physiology</i> , 2003 , 160, 311-9	3.6	28
21	Changes in water status and water distribution in maturing lupin seeds studied by MR imaging and NMR spectroscopy. <i>Journal of Experimental Botany</i> , 2007 , 58, 3961-9	7	23
20	New Insight on Water Status in Germinating Seeds in Relation to Priming-Improved Germination. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	19
19	Re-aeration-induced oxidative stress and antioxidative defenses in hypoxically pretreated lupine roots. <i>Journal of Plant Physiology</i> , 2004 , 161, 415-22	3.6	19
18	Metabolic responses of <i>Lemna minor</i> to lead ions I. Growth, chlorophyll level and activity of fermentative enzymes. <i>Acta Physiologiae Plantarum</i> , 2000 , 22, 423-427	2.6	18
17	Differential response of antioxidative enzymes in embryonic axes and cotyledons of germinating lupine seeds. <i>Acta Physiologiae Plantarum</i> , 2008 , 30, 427-432	2.6	17
16	A comparative study of water distribution and dehydrin protein localization in maturing pea seeds. <i>Journal of Plant Physiology</i> , 2008 , 165, 1940-6	3.6	15
15	Ascorbate and glutathione metabolism in embryo axes and cotyledons of germinating lupine seeds. <i>Biologia Plantarum</i> , 2008 , 52, 681-686	2.1	14
14	Lupine embryo axes under salinity stress. II. Mitochondrial proteome response. <i>Acta Physiologiae Plantarum</i> , 2013 , 35, 2383-2392	2.6	11

13	Ability of lupine seeds to germinate and to tolerate desiccation as related to changes in free radical level and antioxidants in freshly harvested seeds. <i>Plant Physiology and Biochemistry</i> , 2009 , 47, 56-62	5.4	11
12	Hypoxic induction of alcohol and lactate dehydrogenases in lupine seedlings. <i>Acta Physiologiae Plantarum</i> , 2002 , 24, 265-272	2.6	9
11	Autophagic Machinery of Plant Peroxisomes. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	8
10	Drought stress memory and subsequent drought stress tolerance in plants 2020 , 115-131		7
9	Metabolic responses of Lemna minor to lead ions II. Induction of antioxidant enzymes in roots. <i>Acta Physiologiae Plantarum</i> , 2000 , 22, 429-432	2.6	7
8	Metabolism of amino acids in germinating yellow lupin seeds. II. Pathway of conversion of aspartate to alanine during the imbibition. <i>Acta Physiologiae Plantarum</i> , 1998 , 20, 123-127	2.6	5
7	Lupine embryo axes under salinity stress. I. Ultrastructural response. <i>Acta Physiologiae Plantarum</i> , 2013 , 35, 2219-2228	2.6	4
6	Hypoxia induces anoxia tolerance in roots and shoots of lupine seedlings. <i>Acta Physiologiae Plantarum</i> , 2003 , 25, 47-53	2.6	2
5	Changes in the activity and isozyme patterns of malate dehydrogenase in root nodules of yellow lupine. <i>Acta Physiologiae Plantarum</i> , 1999 , 21, 149-153	2.6	2
4	Alcohol dehydrogenase and its relation to respiratory pathways in lupine root nodules. <i>Acta Biochimica Polonica</i> , 1991 , 38, 37-41	2	2
3	The influence of lead ions on nitrogen metabolism of lupin embryos cultivated in vitro. <i>Acta Biochimica Polonica</i> , 1993 , 40, 139-40	2	1
2	Ultrastructural and antioxidative changes in lupine embryo axes in response to salt stress. <i>Acta Societatis Botanicorum Poloniae</i> , 2013 , 82, 303-311	1.5	
1	Short-term effect of nitrate or water stress on nitrate reduction and malate fermentation pathways in yellow lupine (<i>Lupinus luteus</i>) nodules. <i>Acta Physiologiae Plantarum</i> , 2009 , 31, 1249-1254	2.6	