

Agnieszka Gniazdowska

List of Publications by Citations

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50
papers

1,193
citations

21
h-index

33
g-index

53
ext. papers

1,407
ext. citations

4
avg, IF

4.49
L-index

#	Paper	IF	Citations
50	Allelopathic interactions between plants. Multi site action of allelochemicals. <i>Acta Physiologiae Plantarum</i> , 2005 , 27, 395-407	2.6	145
49	Breaking the apple embryo dormancy by nitric oxide involves the stimulation of ethylene production. <i>Planta</i> , 2007 , 225, 1051-7	4.7	76
48	Induction of oxidative stress by sunflower phytotoxins in germinating mustard seeds. <i>Journal of Chemical Ecology</i> , 2007 , 33, 251-64	2.7	64
47	Dormancy removal in apple embryos by nitric oxide or cyanide involves modifications in ethylene biosynthetic pathway. <i>Planta</i> , 2010 , 232, 1397-407	4.7	63
46	Allelopathic effects of sunflower extracts on mustard seed germination and seedling growth. <i>Biologia Plantarum</i> , 2006 , 50, 156-158	2.1	63
45	Nitric oxide, hydrogen cyanide and ethylene are required in the control of germination and undisturbed development of young apple seedlings. <i>Plant Growth Regulation</i> , 2010 , 61, 75-84	3.2	61
44	Assimilate translocation in bean plants (<i>Phaseolus vulgaris</i> L.) during phosphate deficiency. <i>Journal of Plant Physiology</i> , 1996 , 149, 343-348	3.6	54
43	Inhibition of tomato (<i>Solanum lycopersicum</i> L.) root growth by cyanamide is due to altered cell division, phytohormone balance and expansin gene expression. <i>Planta</i> , 2012 , 236, 1629-38	4.7	52
42	ROS and Phytohormones in Plant-Plant Allelopathic Interaction. <i>Plant Signaling and Behavior</i> , 2007 , 2, 317-8	2.5	49
41	Cyanamide mode of action during inhibition of onion (<i>Allium cepa</i> L.) root growth involves disturbances in cell division and cytoskeleton formation. <i>Planta</i> , 2011 , 234, 609-21	4.7	43
40	Dormancy removal of apple seeds by cold stratification is associated with fluctuation in H ₂ O ₂ , NO production and protein carbonylation level. <i>Journal of Plant Physiology</i> , 2013 , 170, 480-8	3.6	42
39	Nitric oxide and hydrogen cyanide as regulating factors of enzymatic antioxidant system in germinating apple embryos. <i>Acta Physiologiae Plantarum</i> , 2012 , 34, 683-692	2.6	34
38	Low phosphate nutrition alters bean plants' ability to assimilate and translocate nitrate. <i>Journal of Plant Nutrition</i> , 1999 , 22, 551-563	2.3	33
37	The beneficial effect of small toxic molecules on dormancy alleviation and germination of apple embryos is due to NO formation. <i>Planta</i> , 2010 , 232, 999-1005	4.7	29
36	Growth, nitrate uptake and respiration rate in bean roots under phosphate deficiency. <i>Biologia Plantarum</i> , 1998 , 41, 217-226	2.1	26
35	Nitric oxide and HCN reduce deep dormancy of apple seeds. <i>Acta Physiologiae Plantarum</i> , 2006 , 28, 281-287		26
34	Nitrate uptake by bean (<i>Phaseolus vulgaris</i> L.) roots under phosphate deficiency. <i>Plant and Soil</i> , 2000 , 226, 79-85	4.2	26

33	Phytotoxic cyanamide affects maize (<i>Zea mays</i>) root growth and root tip function: from structure to gene expression. <i>Journal of Plant Physiology</i> , 2014 , 171, 565-75	3.6	25
32	Impact of sunflower (<i>Helianthus annuus</i> L.) extracts upon reserve mobilization and energy metabolism in germinating mustard (<i>Sinapis alba</i> L.) seeds. <i>Journal of Chemical Ecology</i> , 2006 , 32, 2569-837	3.7	24
31	Polyamines and Nitric Oxide Link in Regulation of Dormancy Removal and Germination of Apple (<i>Malus domestica</i> Borkh.) Embryos. <i>Journal of Plant Growth Regulation</i> , 2014 , 33, 590-601	4.7	22
30	Toxicity of canavanine in tomato (<i>Solanum lycopersicum</i> L.) roots is due to alterations in RNS, ROS and auxin levels. <i>Plant Physiology and Biochemistry</i> , 2016 , 103, 84-95	5.4	21
29	Dormancy alleviation by NO or HCN leading to decline of protein carbonylation levels in apple (<i>Malus domestica</i> Borkh.) embryos. <i>Journal of Plant Physiology</i> , 2014 , 171, 1132-41	3.6	21
28	Nitric oxide-polyamines cross-talk during dormancy release and germination of apple embryos. <i>Nitric Oxide - Biology and Chemistry</i> , 2017 , 68, 38-50	5	16
27	The effect of phosphate deficiency on membrane phospholipid composition of bean (<i>Phaseolus vulgaris</i> L.) roots. <i>Acta Physiologiae Plantarum</i> , 1999 , 21, 263-269	2.6	16
26	Modification of the endogenous NO level influences apple embryos dormancy by alterations of nitrated and biotinylated protein patterns. <i>Planta</i> , 2016 , 244, 877-91	4.7	15
25	Carbonylation of proteins-an element of plant ageing. <i>Planta</i> , 2020 , 252, 12	4.7	15
24	meta-Tyrosine induces modification of reactive nitrogen species level, protein nitration and nitrosogluthathione reductase in tomato roots. <i>Nitric Oxide - Biology and Chemistry</i> , 2017 , 68, 56-67	5	13
23	Ethylene in Seed Development, Dormancy and Germination 2012 , 189-218		12
22	l-Canavanine: How does a simple non-protein amino acid inhibit cellular function in a diverse living system?. <i>Phytochemistry Reviews</i> , 2017 , 16, 1269-1282	7.7	11
21	Canavanine Alters ROS/RNS Level and Leads to Post-translational Modification of Proteins in Roots of Tomato Seedlings. <i>Frontiers in Plant Science</i> , 2016 , 7, 840	6.2	10
20	Allelopathic Compounds as Oxidative Stress Agents: Yes or NO. <i>Signaling and Communication in Plants</i> , 2015 , 155-176	1	9
19	Peroxynitrite induced signaling pathways in plant response to non-proteinogenic amino acids. <i>Planta</i> , 2020 , 252, 5	4.7	9
18	Destabilization of ROS metabolism in tomato roots as a phytotoxic effect of meta-tyrosine. <i>Plant Physiology and Biochemistry</i> , 2018 , 123, 369-377	5.4	9
17	Nitric Oxide-Induced Dormancy Removal of Apple Embryos Is Linked to Alterations in Expression of Genes Encoding ABA and JA Biosynthetic or Transduction Pathways and RNA Nitration. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	8
16	Dormancy removal by cold stratification increases glutathione and S-nitrosogluthathione content in apple seeds. <i>Plant Physiology and Biochemistry</i> , 2019 , 138, 112-120	5.4	7

15	Switch from heterotrophy to autotrophy of apple cotyledons depends on NO signal. <i>Planta</i> , 2015 , 242, 1221-36	4.7	7
14	Canavanine-Induced Decrease in Nitric Oxide Synthesis Alters Activity of Antioxidant System but Does Not Impact S-Nitrosoglutathione Catabolism in Tomato Roots. <i>Frontiers in Plant Science</i> , 2019 , 10, 1077	6.2	6
13	Inhibition of tomato (<i>Solanum lycopersicum</i> L.) root growth by cyanamide is not always accompanied with enhancement of ROS production. <i>Plant Signaling and Behavior</i> , 2013 , 8, e23994	2.5	4
12	Phytotoxic Effects of Cyanamide on Seed Germination and Seedling Growth of Weed and Crop Species. <i>Acta Biologica Cracoviensia Series Botanica</i> , 2012 , 54,		4
11	ROS Metabolism Perturbation as an Element of Mode of Action of Allelochemicals. <i>Antioxidants</i> , 2021 , 10,	7.1	4
10	Effect of Nitrogen Reactive Compounds on Aging in Seed. <i>Frontiers in Plant Science</i> , 2020 , 11, 1011	6.2	4
9	Ethylene in Seed Development, Dormancy and Germination 2018 , 189-218		3
8	ROS/NSP/Phytohormones Network in Root Response Strategy 2015 , 321-339		2
7	Nitrosative Door in Seed Dormancy Alleviation and Germination. <i>Signaling and Communication in Plants</i> , 2015 , 215-237	1	2
6	Supercoiled and linear plasmid DNAs interactions with methylene blue. <i>Bioelectrochemistry</i> , 2013 , 92, 32-41	5.6	2
5	Canavanine Increases the Content of Phenolic Compounds in Tomato (L.) Roots. <i>Plants</i> , 2020 , 9,	4.5	2
4	Toxicity of α -Tyrosine.. <i>Plants</i> , 2021 , 10,	4.5	2
3	Cold stratification-induced dormancy removal in apple (<i>Malus domestica</i> Borkh.) seeds is accompanied by an increased glutathione pool in embryonic axes. <i>Journal of Plant Physiology</i> , 2022 , 274, 153736	3.6	2
2	Nitrate uptake by bean (<i>Phaseolus vulgaris</i> L.) roots under phosphate deficiency 2001 , 111-117		0
1	NO and metabolic reprogramming under phytotoxicity stress 2022 , 297-318		