Agnieszka Gniazdowska

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	NO and metabolic reprogramming under phytotoxicity stress **2022**, 297-318		
49	Cold stratification-induced dormancy removal in apple (Malus domestica Borkh.) seeds is accompanied by an increased glutathione pool in embryonic axes. *Journal of Plant Physiology*, **2022**, 274, 153736	3.6	2
48	ROS Metabolism Perturbation as an Element of Mode of Action of Allelochemicals. *Antioxidants*, **2021**, 10,	7.1	4
47	Toxicity of -Tyrosine.. *Plants*, **2021**, 10,	4.5	2
46	Peroxynitrite induced signaling pathways in plant response to non-proteinogenic amino acids. *Planta*, **2020**, 252, 5	4.7	9
45	Carbonylation of proteins-an element of plant ageing. *Planta*, **2020**, 252, 12	4.7	15
44	Canavanine Increases the Content of Phenolic Compounds in Tomato (L.) Roots. *Plants*, **2020**, 9,	4.5	2
43	Effect of Nitrogen Reactive Compounds on Aging in Seed. *Frontiers in Plant Science*, **2020**, 11, 1011	6.2	4
42	Dormancy removal by cold stratification increases glutathione and S-nitrosoglutathione content in apple seeds. *Plant Physiology and Biochemistry*, **2019**, 138, 112-120	5.4	7
41	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. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	8
40	Canavanine-Induced Decrease in Nitric Oxide Synthesis Alters Activity of Antioxidant System but Does Not Impact S-Nitrosoglutathione Catabolism in Tomato Roots. *Frontiers in Plant Science*, **2019**, 10, 1077	6.2	6
39	Destabilization of ROS metabolism in tomato roots as a phytotoxic effect of meta-tyrosine. *Plant Physiology and Biochemistry*, **2018**, 123, 369-377	5.4	9
38	Ethylene in Seed Development, Dormancy and Germination **2018**, 189-218		3
37	Nitric oxide-polyamines cross-talk during dormancy release and germination of apple embryos. *Nitric Oxide - Biology and Chemistry*, **2017**, 68, 38-50	5	16
36	meta-Tyrosine induces modification of reactive nitrogen species level, protein nitration and nitrosoglutathione reductase in tomato roots. *Nitric Oxide - Biology and Chemistry*, **2017**, 68, 56-67	5	13
35	l-Canavanine: How does a simple non-protein amino acid inhibit cellular function in a diverse living system?. *Phytochemistry Reviews*, **2017**, 16, 1269-1282	7.7	11
34	Modification of the endogenous NO level influences apple embryos dormancy by alterations of nitrated and biotinylated protein patterns. *Planta*, **2016**, 244, 877-91	4.7	15

33	Toxicity of canavanine in tomato (Solanum lycopersicum L.) roots is due to alterations in RNS, ROS and auxin levels. *Plant Physiology and Biochemistry*, **2016**, 103, 84-95	5.4	21
32	Canavanine Alters ROS/RNS Level and Leads to Post-translational Modification of Proteins in Roots of Tomato Seedlings. *Frontiers in Plant Science*, **2016**, 7, 840	6.2	10
31	ROS RNS Phytohormones Network in Root Response Strategy **2015**, 321-339		2
30	Switch from heterotrophy to autotrophy of apple cotyledons depends on NO signal. *Planta*, **2015**, 242, 1221-36	4.7	7
29	Allelopathic Compounds as Oxidative Stress Agents: Yes or NO. *Signaling and Communication in Plants*, **2015**, 155-176	1	9
28	Nitrosative Doorn Seed Dormancy Alleviation and Germination. *Signaling and Communication in Plants*, **2015**, 215-237	1	2
27	Phytotoxic cyanamide affects maize (Zea mays) root growth and root tip function: from structure to gene expression. *Journal of Plant Physiology*, **2014**, 171, 565-75	3.6	25
26	Dormancy alleviation by NO or HCN leading to decline of protein carbonylation levels in apple (Malus domestica Borkh.) embryos. *Journal of Plant Physiology*, **2014**, 171, 1132-41	3.6	21
25	Polyamines and Nitric Oxide Link in Regulation of Dormancy Removal and Germination of Apple (Malus domestica Borkh.) Embryos. *Journal of Plant Growth Regulation*, **2014**, 33, 590-601	4.7	22
24	Dormancy removal of apple seeds by cold stratification is associated with fluctuation in H2O2, NO production and protein carbonylation level. *Journal of Plant Physiology*, **2013**, 170, 480-8	3.6	42
23	Supercoiled and linear plasmid DNAs interactions with methylene blue. *Bioelectrochemistry*, **2013**, 92, 32-41	5.6	2
22	Inhibition of tomato (Solanum lycopersicum L.) root growth by cyanamide is not always accompanied with enhancement of ROS production. *Plant Signaling and Behavior*, **2013**, 8, e23994	2.5	4
21	Nitric oxide and hydrogen cyanide as regulating factors of enzymatic antioxidant system in germinating apple embryos. *Acta Physiologiae Plantarum*, **2012**, 34, 683-692	2.6	34
20	Inhibition of tomato (Solanum lycopersicum L.) root growth by cyanamide is due to altered cell division, phytohormone balance and expansin gene expression. *Planta*, **2012**, 236, 1629-38	4.7	52
19	Ethylene in Seed Development, Dormancy and Germination **2012**, 189-218		12
18	Phytotoxic Effects of Cyanamide on Seed Germination and Seedling Growth of Weed and Crop Species. *Acta Biologica Cracoviensia Series Botanica*, **2012**, 54,		4
17	Cyanamide mode of action during inhibition of onion (Allium cepa L.) root growth involves disturbances in cell division and cytoskeleton formation. *Planta*, **2011**, 234, 609-21	4.7	43
16	The beneficial effect of small toxic molecules on dormancy alleviation and germination of apple embryos is due to NO formation. *Planta*, **2010**, 232, 999-1005	4.7	29

15	Dormancy removal in apple embryos by nitric oxide or cyanide involves modifications in ethylene biosynthetic pathway. *Planta*, **2010**, 232, 1397-407	4.7	63
14	Nitric oxide, hydrogen cyanide and ethylene are required in the control of germination and undisturbed development of young apple seedlings. *Plant Growth Regulation*, **2010**, 61, 75-84	3.2	61
13	Induction of oxidative stress by sunflower phytotoxins in germinating mustard seeds. *Journal of Chemical Ecology*, **2007**, 33, 251-64	2.7	64
12	Breaking the apple embryo dormancy by nitric oxide involves the stimulation of ethylene production. *Planta*, **2007**, 225, 1051-7	4.7	76
11	ROS and Phytohormones in Plant-Plant Allelopathic Interaction. *Plant Signaling and Behavior*, **2007**, 2, 317-8	2.5	49
10	Nitric oxide and HCN reduce deep dormancy of apple seeds. *Acta Physiologiae Plantarum*, **2006**, 28, 281-287	2.7	26
9	Impact of sunflower (Helianthus annuus L.) extracts upon reserve mobilization and energy metabolism in germinating mustard (Sinapis alba L.) seeds. *Journal of Chemical Ecology*, **2006**, 32, 2569-83	2.7	24
8	Allelopathic effects of sunflower extracts on mustard seed germination and seedling growth. *Biologia Plantarum*, **2006**, 50, 156-158	2.1	63
7	Allelopathic interactions between plants. Multi site action of allelochemicals. *Acta Physiologiae Plantarum*, **2005**, 27, 395-407	2.6	145
6	Nitrate uptake by bean (Phaseolus vulgaris L.) roots under phosphate deficiency **2001**, 111-117		0
5	Nitrate uptake by bean (Phaseolus vulgaris L.) roots under phosphate deficiency. *Plant and Soil*, **2000**, 226, 79-85	4.2	26
4	The effect of phosphate deficiency on membrane phospholipid composition of bean (Phaseolus vulgaris L.) roots. *Acta Physiologiae Plantarum*, **1999**, 21, 263-269	2.6	16
3	Low phosphate nutrition alters bean plants□ability to assimilate and translocate nitrate. *Journal of Plant Nutrition*, **1999**, 22, 551-563	2.3	33
2	Growth, nitrate uptake and respiration rate in bean roots under phosphate deficiency. *Biologia Plantarum*, **1998**, 41, 217-226	2.1	26
1	Assimilate translocation in bean plants (Phaseolus vulgaris L.) during phosphate deficiency. *Journal of Plant Physiology*, **1996**, 149, 343-348	3.6	54