

# Urszula Krasuska

## List of Publications by Citations

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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.

31  
papers

641  
citations

15  
h-index

25  
g-index

33  
ext. papers

789  
ext. citations

4.4  
avg, IF

3.96  
L-index

#	Paper	IF	Citations
31	Breaking the apple embryo dormancy by nitric oxide involves the stimulation of ethylene production. <i>Planta</i> , <b>2007</b> , 225, 1051-7	4.7	76
30	Dormancy removal in apple embryos by nitric oxide or cyanide involves modifications in ethylene biosynthetic pathway. <i>Planta</i> , <b>2010</b> , 232, 1397-407	4.7	63
29	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> , <b>2010</b> , 61, 75-84	3.2	61
28	Citral induces auxin and ethylene-mediated malformations and arrests cell division in <i>Arabidopsis thaliana</i> roots. <i>Journal of Chemical Ecology</i> , <b>2013</b> , 39, 271-82	2.7	53
27	Allelochemicals as Bioherbicides [Present and Perspectives <b>2013</b> ,		46
26	Dormancy removal of apple seeds by cold stratification is associated with fluctuation in H <sub>2</sub> O <sub>2</sub> , NO production and protein carbonylation level. <i>Journal of Plant Physiology</i> , <b>2013</b> , 170, 480-8	3.6	42
25	Loss of Gravitropism in Farnesene-Treated <i>Arabidopsis</i> Is Due to Microtubule Malformations Related to Hormonal and ROS Unbalance. <i>PLoS ONE</i> , <b>2016</b> , 11, e0160202	3.7	37
24	Nitric oxide and hydrogen cyanide as regulating factors of enzymatic antioxidant system in germinating apple embryos. <i>Acta Physiologiae Plantarum</i> , <b>2012</b> , 34, 683-692	2.6	34
23	The beneficial effect of small toxic molecules on dormancy alleviation and germination of apple embryos is due to NO formation. <i>Planta</i> , <b>2010</b> , 232, 999-1005	4.7	29
22	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> , <b>2014</b> , 33, 590-601	4.7	22
21	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> , <b>2016</b> , 103, 84-95	5.4	21
20	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> , <b>2014</b> , 171, 1132-41	3.6	21
19	Nitric oxide-polyamines cross-talk during dormancy release and germination of apple embryos. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2017</b> , 68, 38-50	5	16
18	Modification of the endogenous NO level influences apple embryos dormancy by alterations of nitrated and biotinylated protein patterns. <i>Planta</i> , <b>2016</b> , 244, 877-91	4.7	15
17	Carbonylation of proteins-an element of plant ageing. <i>Planta</i> , <b>2020</b> , 252, 12	4.7	15
16	meta-Tyrosine induces modification of reactive nitrogen species level, protein nitration and nitrosogluthathione reductase in tomato roots. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2017</b> , 68, 56-67	5	13
15	l-Canavanine: How does a simple non-protein amino acid inhibit cellular function in a diverse living system?. <i>Phytochemistry Reviews</i> , <b>2017</b> , 16, 1269-1282	7.7	11

14	Canavanine Alters ROS/RNS Level and Leads to Post-translational Modification of Proteins in Roots of Tomato Seedlings. <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 840	6.2	10
13	Allelopathic Compounds as Oxidative Stress Agents: Yes or NO. <i>Signaling and Communication in Plants</i> , <b>2015</b> , 155-176	1	9
12	Destabilization of ROS metabolism in tomato roots as a phytotoxic effect of meta-tyrosine. <i>Plant Physiology and Biochemistry</i> , <b>2018</b> , 123, 369-377	5.4	9
11	Dormancy removal by cold stratification increases glutathione and S-nitrosoglutathione content in apple seeds. <i>Plant Physiology and Biochemistry</i> , <b>2019</b> , 138, 112-120	5.4	7
10	Switch from heterotrophy to autotrophy of apple cotyledons depends on NO signal. <i>Planta</i> , <b>2015</b> , 242, 1221-36	4.7	7
9	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> , <b>2019</b> , 10, 1077	6.2	6
8	ROS Metabolism Perturbation as an Element of Mode of Action of Allelochemicals. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	4
7	Effect of Nitrogen Reactive Compounds on Aging in Seed. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 1011	6.2	4
6	ROS/RNS/Phytohormones Network in Root Response Strategy <b>2015</b> , 321-339		2
5	Nitrosative Door In Seed Dormancy Alleviation and Germination. <i>Signaling and Communication in Plants</i> , <b>2015</b> , 215-237	1	2
4	Canavanine Increases the Content of Phenolic Compounds in Tomato (L.) Roots. <i>Plants</i> , <b>2020</b> , 9,	4.5	2
3	Toxicity of -Tyrosine.. <i>Plants</i> , <b>2021</b> , 10,	4.5	2
2	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> , <b>2022</b> , 274, 153736	3.6	2
1	NO and metabolic reprogramming under phytotoxicity stress <b>2022</b> , 297-318		