

Michal Karady

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.

22
papers

315
citations

11
h-index

17
g-index

28
ext. papers

539
ext. citations

8.8
avg, IF

3.21
L-index

#	Paper	IF	Citations
22	Plant roots sense soil compaction through restricted ethylene diffusion. <i>Science</i> , 2021 , 371, 276-280	33.3	46
21	Regulating plant physiology with organic electronics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 4597-4602	11.5	39
20	Micropropagation of Wild Service Tree (<i>Sorbus torminalis</i> [L.] Crantz): The Regulative Role of Different Aromatic Cytokinins During Organogenesis. <i>Journal of Plant Growth Regulation</i> , 2009 , 28, 341-348	4.78	32
19	Extra- and intracellular distribution of cytokinins in the leaves of monocots and dicots. <i>New Biotechnology</i> , 2016 , 33, 735-742	6.4	24
18	Cell-surface receptors enable perception of extracellular cytokinins. <i>Nature Communications</i> , 2020 , 11, 4284	17.4	24
17	A WOX/Auxin Biosynthesis Module Controls Growth to Shape Leaf Form. <i>Current Biology</i> , 2020 , 30, 4857-4868.e6	18.6	26
16	Implantable Organic Electronic Ion Pump Enables ABA Hormone Delivery for Control of Stomata in an Intact Tobacco Plant. <i>Small</i> , 2019 , 15, e1902189	11	21
15	PIN-driven auxin transport emerged early in streptophyte evolution. <i>Nature Plants</i> , 2019 , 5, 1114-1119	11.5	19
14	The role of cytokinins during micropropagation of wych elm. <i>Biologia Plantarum</i> , 2013 , 57, 174-178	2.1	19
13	Contrasting patterns of cytokinins between years in senescing aspen leaves. <i>Plant, Cell and Environment</i> , 2017 , 40, 622-634	8.4	11
12	Conifers exhibit a characteristic inactivation of auxin to maintain tissue homeostasis. <i>New Phytologist</i> , 2020 , 226, 1753-1765	9.8	11
11	High Performance Liquid Chromatography-Electrochemistry-Electrospray Ionization Mass Spectrometry (HPLC/EC/ESI-MS) for Detection and Characterization of Roscovitine Oxidation Products. <i>Electroanalysis</i> , 2011 , 23, 2898-2905	3	10
10	Autoregulation of RCO by Low-Affinity Binding Modulates Cytokinin Action and Shapes Leaf Diversity. <i>Current Biology</i> , 2019 , 29, 4183-4192.e6	6.3	10
9	A role for the auxin precursor anthranilic acid in root gravitropism via regulation of PIN-FORMED protein polarity and relocalisation in Arabidopsis. <i>New Phytologist</i> , 2019 , 223, 1420-1432	9.8	6
8	Tissue-specific hormone profiles from woody poplar roots under bending stress. <i>Physiologia Plantarum</i> , 2019 , 165, 101-113	4.6	6
7	Modulation of Arabidopsis root growth by specialized triterpenes. <i>New Phytologist</i> , 2021 , 230, 228-243	9.8	5
6	Reaction Wood Anatomical Traits and Hormonal Profiles in Poplar Bent Stem and Root. <i>Frontiers in Plant Science</i> , 2020 , 11, 590985	6.2	3

5	High Performance Liquid Chromatography/Electrochemistry/High Resolution Electrospray Ionization-Mass Spectrometry (HPLC/EC/HR ESI-MS) Characterization of Selected Cytokinins Oxidation Products. <i>Electroanalysis</i> , 2015 , 27, 406-414	3	2
4	Implantable Bioelectronics: Implantable Organic Electronic Ion Pump Enables ABA Hormone Delivery for Control of Stomata in an Intact Tobacco Plant (Small 43/2019). <i>Small</i> , 2019 , 15, 1970233	11	1
3	Alterations in hormonal signals spatially coordinate distinct responses to DNA double-strand breaks in roots. <i>Science Advances</i> , 2021 , 7,	14.3	1
2	iP & OEIP Cytokinin Micro Application Modulates Root Development with High Spatial Resolution. <i>Advanced Materials Technologies</i> , 2101664	6.8	1
1	Maintenance of Photosynthesis as Leaves Age Improves Whole Plant Water Use Efficiency in an Australian Wheat Cultivar. <i>Agronomy</i> , 2020 , 10, 1102	3.6	0