

Tomáš Hluska

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

799
citations

933410

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1372553

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10
docs citations

10
times ranked

1022
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolution of cytokinin biosynthesis and degradation. <i>Journal of Experimental Botany</i> , 2011, 62, 2431-2452.	4.8	341
2	Characterization of New Maize Genes Putatively Involved in Cytokinin Metabolism and Their Expression during Osmotic Stress in Relation to Cytokinin Levels. <i>Plant Physiology</i> , 2009, 151, 433-447.	4.8	139
3	Characterization of five CHASE-containing histidine kinase receptors from <i>Populus canadensis</i> cv. Robusta sensing isoprenoid and aromatic cytokinins. <i>Planta</i> , 2020, 251, 1.	3.2	92
4	Vacuolar and cytosolic cytokinin dehydrogenases of <i>Arabidopsis thaliana</i> : Heterologous expression, purification and properties. <i>Phytochemistry</i> , 2010, 71, 1970-1978.	2.9	74
5	The Cytokinin Oxidase/Dehydrogenase CKX1 Is a Membrane-Bound Protein Requiring Homooligomerization in the Endoplasmic Reticulum for Its Cellular Activity. <i>Plant Physiology</i> , 2018, 176, 2024-2039.	4.8	40
6	The Hulks and the Deadpools of the Cytokinin Universe: A Dual Strategy for Cytokinin Production, Translocation, and Signal Transduction. <i>Biomolecules</i> , 2021, 11, 209.	4.0	35
7	Cytokinin metabolism in maize: Novel evidence of cytokinin abundance, interconversions and formation of a new trans-zeatin metabolic product with a weak anticytokinin activity. <i>Plant Science</i> , 2016, 247, 127-137.	3.6	25
8	Cytokinin N-glucosides: Occurrence, Metabolism and Biological Activities in Plants. <i>Biomolecules</i> , 2021, 11, 24.	4.0	21
9	Purification of Maize Nucleotide Pyrophosphatase/Phosphodiesterase Casts Doubt on the Existence of Zeatin Cis-Trans Isomerase in Plants. <i>Frontiers in Plant Science</i> , 2017, 8, 1473.	3.6	20
10	Occurrence and biosynthesis of cytokinins in poplar. <i>Planta</i> , 2019, 250, 229-244.	3.2	12