

# Tomáš Hluska

## 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.

10  
papers

539  
citations

9  
h-index

10  
g-index

10  
ext. papers

653  
ext. citations

5.5  
avg, IF

3.52  
L-index

#	Paper	IF	Citations
10	Evolution of cytokinin biosynthesis and degradation. <i>Journal of Experimental Botany</i> , <b>2011</b> , 62, 2431-52	7	259
9	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> , <b>2009</b> , 151, 433-47	6.6	114
8	Vacuolar and cytosolic cytokinin dehydrogenases of <i>Arabidopsis thaliana</i> : heterologous expression, purification and properties. <i>Phytochemistry</i> , <b>2010</b> , 71, 1970-8	4	64
7	The Cytokinin Oxidase/Dehydrogenase CKX1 Is a Membrane-Bound Protein Requiring Homooligomerization in the Endoplasmic Reticulum for Its Cellular Activity. <i>Plant Physiology</i> , <b>2018</b> , 176, 2024-2039	6.6	29
6	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> , <b>2016</b> , 247, 127-37	5.3	20
5	Characterization of five CHASE-containing histidine kinase receptors from <i>Populus trichocarpa</i> cv. Robusta sensing isoprenoid and aromatic cytokinins. <i>Planta</i> , <b>2019</b> , 251, 1	4.7	17
4	Occurrence and biosynthesis of cytokinins in poplar. <i>Planta</i> , <b>2019</b> , 250, 229-244	4.7	10
3	Purification of Maize Nucleotide Pyrophosphatase/Phosphodiesterase Casts Doubt on the Existence of Zeatin - Isomerase in Plants. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 1473	6.2	10
2	The Hulks and the Deadpools of the Cytokinin Universe: A Dual Strategy for Cytokinin Production, Translocation, and Signal Transduction. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	10
1	Cytokinin -glucosides: Occurrence, Metabolism and Biological Activities in Plants. <i>Biomolecules</i> , <b>2020</b> , 11,	5.9	6