

# Jan Simura

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/3145771/jan-simura-publications-by-citations.pdf>

**Version:** 2024-04-29

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

397  
citations

11  
h-index

19  
g-index

30  
ext. papers

669  
ext. citations

7.3  
avg, IF

3.53  
L-index

#	Paper	IF	Citations
22	Plant Hormonomics: Multiple Phytohormone Profiling by Targeted Metabolomics. <i>Plant Physiology</i> , <b>2018</b> , 177, 476-489	6.6	125
21	Control of cytokinin and auxin homeostasis in cyanobacteria and algae. <i>Annals of Botany</i> , <b>2017</b> , 119, 151-166	4.66	57
20	Enhanced Secondary- and Hormone Metabolism in Leaves of Arbuscular Mycorrhizal. <i>Plant Physiology</i> , <b>2017</b> , 175, 392-411	6.6	43
19	A MYC2/MYC3/MYC4-dependent transcription factor network regulates water spray-responsive gene expression and jasmonate levels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 23345-23356	11.5	38
18	CHASE domain-containing receptors play an essential role in the cytokinin response of the moss <i>Physcomitrella patens</i> . <i>Journal of Experimental Botany</i> , <b>2016</b> , 67, 667-79	7	18
17	Endogenous abscisic acid promotes hypocotyl growth and affects endoreduplication during dark-induced growth in tomato ( <i>Solanum lycopersicum</i> L.). <i>PLoS ONE</i> , <b>2015</b> , 10, e0117793	3.7	15
16	Light influences cytokinin biosynthesis and sensing in <i>Nostoc</i> (cyanobacteria). <i>Journal of Phycology</i> , <b>2017</b> , 53, 703-714	3	14
15	Auxin export from proximal fruits drives arrest in temporally competent inflorescences. <i>Nature Plants</i> , <b>2020</b> , 6, 699-707	11.5	13
14	An ectomycorrhizal fungus alters sensitivity to jasmonate, salicylate, gibberellin, and ethylene in host roots. <i>Plant, Cell and Environment</i> , <b>2020</b> , 43, 1047-1068	8.4	12
13	HY5 and phytochrome activity modulate shoot-to-root coordination during thermomorphogenesis in. <i>Development (Cambridge)</i> , <b>2020</b> , 147,	6.6	11
12	Conifers exhibit a characteristic inactivation of auxin to maintain tissue homeostasis. <i>New Phytologist</i> , <b>2020</b> , 226, 1753-1765	9.8	11
11	Regulatory Diversification of INDEHISCENT in the Capsella Genus Directs Variation in Fruit Morphology. <i>Current Biology</i> , <b>2019</b> , 29, 1038-1046.e4	6.3	8
10	Studies of moss reproductive development indicate that auxin biosynthesis in apical stem cells may constitute an ancestral function for focal growth control. <i>New Phytologist</i> , <b>2021</b> , 229, 845-860	9.8	8
9	Cytokinin, auxin and physiological polarity in the aquatic carnivorous plants <i>Aldrovanda vesiculosa</i> and <i>Utricularia australis</i> . <i>Annals of Botany</i> , <b>2016</b> , 117, 1037-44	4.1	6
8	Hormonal responses associated with acclimation to freezing stress in <i>Lolium perenne</i> . <i>Environmental and Experimental Botany</i> , <b>2021</b> , 182, 104295	5.9	6
7	Potassium transporter TRH1/KUP4 contributes to distinct auxin-mediated root system architecture responses. <i>Plant Physiology</i> , <b>2021</b> ,	6.6	3
6	A bacterial assay for rapid screening of IAA catabolic enzymes. <i>Plant Methods</i> , <b>2019</b> , 15, 126	5.8	3

5	Function of the pseudo phosphotransfer proteins has diverged between rice and Arabidopsis. <i>Plant Journal</i> , <b>2021</b> , 106, 159-173	6.9	2
4	HEARTBREAK Controls Post-translational Modification of INDEHISCENT to Regulate Fruit Morphology in <i>Capsella</i> . <i>Current Biology</i> , <b>2020</b> , 30, 3880-3888.e5	6.3	1
3	Nitrates increase abscisic acid levels to regulate haustoria formation in the parasitic plant <i>Phtheirospermum japonicum</i>		1
2	Auxin boosts energy generation pathways to fuel pollen maturation in barley.. <i>Current Biology</i> , <b>2022</b> ,	6.3	1
1	Broadening the roles of UDP-glycosyltransferases in auxin homeostasis and plant development. <i>New Phytologist</i> , <b>2021</b> , 232, 642-654	9.8	0