

Jan Simura

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

939
citations

706676

14
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721071

23
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30
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docs citations

30
times ranked

1415
citing authors

#	ARTICLE	IF	CITATIONS
1	Potassium transporter TRH1/KUP4 contributes to distinct auxin-mediated root system architecture responses. <i>Plant Physiology</i> , 2022, 188, 1043-1060.	2.3	21
2	Auxin boosts energy generation pathways to fuel pollen maturation in barley. <i>Current Biology</i> , 2022, 32, 1798-1811.e8.	1.8	16
3	Inactivation of the entire Arabidopsis group II GH3s confers tolerance to salinity and water deficit. <i>New Phytologist</i> , 2022, 235, 263-275.	3.5	23
4	Nitrogen represses haustoria formation through abscisic acid in the parasitic plant <i>Phtheirospermum japonicum</i> . <i>Nature Communications</i> , 2022, 13, .	5.8	13
5	Hormonal responses associated with acclimation to freezing stress in <i>Lolium perenne</i> . <i>Environmental and Experimental Botany</i> , 2021, 182, 104295.	2.0	12
6	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> , 2021, 229, 845-860.	3.5	24
7	Function of the pseudo phosphotransfer proteins has diverged between rice and Arabidopsis. <i>Plant Journal</i> , 2021, 106, 159-173.	2.8	7
8	Broadening the roles of UDP-glucosyltransferases in auxin homeostasis and plant development. <i>New Phytologist</i> , 2021, 232, 642-654.	3.5	31
9	An ectomycorrhizal fungus alters sensitivity to jasmonate, salicylate, gibberellin, and ethylene in host roots. <i>Plant, Cell and Environment</i> , 2020, 43, 1047-1068.	2.8	30
10	HEARTBREAK Controls Post-translational Modification of INDEHISCENT to Regulate Fruit Morphology in <i>Capsella</i> . <i>Current Biology</i> , 2020, 30, 3880-3888.e5.	1.8	5
11	HY5 and phytochrome activity modulate shoot-to-root coordination during thermomorphogenesis in <i>Arabidopsis</i> . <i>Development (Cambridge)</i> , 2020, 147, .	1.2	27
12	Conifers exhibit a characteristic inactivation of auxin to maintain tissue homeostasis. <i>New Phytologist</i> , 2020, 226, 1753-1765.	3.5	33
13	Auxin export from proximal fruits drives arrest in temporally competent inflorescences. <i>Nature Plants</i> , 2020, 6, 699-707.	4.7	33
14	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> , 2019, 116, 23345-23356.	3.3	95
15	Regulatory Diversification of INDEHISCENT in the <i>Capsella</i> Genus Directs Variation in Fruit Morphology. <i>Current Biology</i> , 2019, 29, 1038-1046.e4.	1.8	12
16	A bacterial assay for rapid screening of IAA catabolic enzymes. <i>Plant Methods</i> , 2019, 15, 126.	1.9	13
17	Plant Hormonomics: Multiple Phytohormone Profiling by Targeted Metabolomics. <i>Plant Physiology</i> , 2018, 177, 476-489.	2.3	293
18	Light influences cytokinin biosynthesis and sensing in <i>Nostoc</i> (cyanobacteria). <i>Journal of Phycology</i> , 2017, 53, 703-714.	1.0	19

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19	Enhanced Secondary- and Hormone Metabolism in Leaves of Arbuscular Mycorrhizal <i>Medicago truncatula</i> . <i>Plant Physiology</i> , 2017, 175, 392-411.	2.3	81
20	Control of cytokinin and auxin homeostasis in cyanobacteria and algae. <i>Annals of Botany</i> , 2017, 119, 151-166.	1.4	82
21	Cytokinin, auxin and physiological polarity in the aquatic carnivorous plants <i>Aldrovanda vesiculosa</i> and <i>Utricularia australis</i> . <i>Annals of Botany</i> , 2016, 117, 1037-1044.	1.4	10
22	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> , 2016, 67, 667-679.	2.4	33
23	Endogenous Abscisic Acid Promotes Hypocotyl Growth and Affects Endoreduplication during Dark-Induced Growth in Tomato (<i>Solanum lycopersicum</i> L.). <i>PLoS ONE</i> , 2015, 10, e0117793.	1.1	21