

Jan F HumplÃ-k

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

790
citations

858243

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1051228

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docs citations

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times ranked

1406
citing authors

#	ARTICLE	IF	CITATIONS
1	Improvement of Tillering and Grain Yield by Application of Cytokinin Derivatives in Wheat and Barley. <i>Agronomy</i> , 2021, 11, 67.	1.3	17
2	Bayesian approach for analysis of time-to-event data in plant biology. <i>Plant Methods</i> , 2020, 16, 14.	1.9	10
3	A Novel Image-Based Screening Method to Study Water-Deficit Response and Recovery of Barley Populations Using Canopy Dynamics Phenotyping and Simple Metabolite Profiling. <i>Frontiers in Plant Science</i> , 2019, 10, 1252.	1.7	16
4	Plant responses to fungal volatiles involve global posttranslational thiol redox proteome changes that affect photosynthesis. <i>Plant, Cell and Environment</i> , 2019, 42, 2627-2644.	2.8	26
5	Analysis of Cold-Developed vs. Cold-Acclimated Leaves Reveals Various Strategies of Cold Acclimation of Field Pea Cultivars. <i>Remote Sensing</i> , 2019, 11, 2964.	1.8	3
6	Characterization of Biostimulant Mode of Action Using Novel Multi-Trait High-Throughput Screening of Arabidopsis Germination and Rosette Growth. <i>Frontiers in Plant Science</i> , 2018, 9, 1327.	1.7	72
7	To Stimulate or Inhibit? That Is the Question for the Function of Abscisic Acid. <i>Trends in Plant Science</i> , 2017, 22, 830-841.	4.3	64
8	An Automated Method for High-Throughput Screening of Arabidopsis Rosette Growth in Multi-Well Plates and Its Validation in Stress Conditions. <i>Frontiers in Plant Science</i> , 2017, 8, 1702.	1.7	64
9	Volatile compounds emitted by diverse phytopathogenic microorganisms promote plant growth and flowering through cytokinin action. <i>Plant, Cell and Environment</i> , 2016, 39, 2592-2608.	2.8	93
10	Arabidopsis Responds to <i>Alternaria alternata</i> Volatiles by Triggering Plastid Phosphoglucose Isomerase-Independent Mechanisms. <i>Plant Physiology</i> , 2016, 172, 1989-2001.	2.3	58
11	Plastidic Phosphoglucose Isomerase Is an Important Determinant of Starch Accumulation in Mesophyll Cells, Growth, Photosynthetic Capacity, and Biosynthesis of Plastidic Cytokinins in Arabidopsis. <i>PLoS ONE</i> , 2015, 10, e0119641.	1.1	30
12	Spatio-temporal changes in endogenous abscisic acid contents during etiolated growth and photomorphogenesis in tomato seedlings. <i>Plant Signaling and Behavior</i> , 2015, 10, e1039213.	1.2	13
13	Automated integrative high-throughput phenotyping of plant shoots: a case study of the cold-tolerance of pea (<i>Pisum sativum</i> L.). <i>Plant Methods</i> , 2015, 11, 20.	1.9	85
14	Automated phenotyping of plant shoots using imaging methods for analysis of plant stress responses – a review. <i>Plant Methods</i> , 2015, 11, 29.	1.9	214
15	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