

Ivo Rieu

List of Publications by Year in descending order

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43
papers

5,049
citations

172386

29
h-index

265120

42
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44
all docs

44
docs citations

44
times ranked

6469
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic Characterization and Functional Analysis of the GID1 Gibberellin Receptors in Arabidopsis. <i>Plant Cell</i> , 2007, 18, 3399-3414.	3.1	665
2	KNOX Action in Arabidopsis Is Mediated by Coordinate Regulation of Cytokinin and Gibberellin Activities. <i>Current Biology</i> , 2005, 15, 1560-1565.	1.8	614
3	Real-Time Quantitative RT-PCR: Design, Calculations, and Statistics. <i>Plant Cell</i> , 2009, 21, 1031-1033.	3.1	394
4	The gibberellin biosynthetic genes <i>AtGA2Ox1</i> and <i>AtGA2Ox2</i> act, partially redundantly, to promote growth and development throughout the Arabidopsis life cycle. <i>Plant Journal</i> , 2008, 53, 488-504.	2.8	333
5	Perspectives on deciphering mechanisms underlying plant heat stress response and thermotolerance. <i>Frontiers in Plant Science</i> , 2013, 4, 315.	1.7	323
6	How plants handle multiple stresses: hormonal interactions underlying responses to abiotic stress and insect herbivory. <i>Plant Molecular Biology</i> , 2016, 91, 727-740.	2.0	299
7	Genetic Analysis Reveals That C19-GA 2-Oxidation Is a Major Gibberellin Inactivation Pathway in Arabidopsis. <i>Plant Cell</i> , 2008, 20, 2420-2436.	3.1	269
8	Breeding for plant heat tolerance at vegetative and reproductive stages. <i>Plant Reproduction</i> , 2016, 29, 67-79.	1.3	175
9	Multi-Level Interactions Between Heat Shock Factors, Heat Shock Proteins, and the Redox System Regulate Acclimation to Heat. <i>Frontiers in Plant Science</i> , 2015, 6, 999.	1.7	166
10	Ensuring Reproduction at High Temperatures: The Heat Stress Response during Anther and Pollen Development. <i>Plants</i> , 2013, 2, 489-506.	1.6	162
11	Pollen Development at High Temperature: From Acclimation to Collapse. <i>Plant Physiology</i> , 2017, 173, 1967-1976.	2.3	145
12	<i>Solanum lycopersicum</i> AUXIN RESPONSE FACTOR 9 regulates cell division activity during early tomato fruit development. <i>Journal of Experimental Botany</i> , 2015, 66, 3405-3416.	2.4	112
13	ABA-deficiency results in reduced plant and fruit size in tomato. <i>Journal of Plant Physiology</i> , 2012, 169, 878-883.	1.6	97
14	Acclimation to high temperature during pollen development. <i>Plant Reproduction</i> , 2016, 29, 107-118.	1.3	93
15	Gibberellin Metabolism and Signaling. <i>Vitamins and Hormones</i> , 2005, 72, 289-338.	0.7	83
16	A Co-Opted Hormonal Cascade Activates Dormant Adventitious Root Primordia upon Flooding in <i>Solanum dulcamara</i> . <i>Plant Physiology</i> , 2016, 170, 2351-2364.	2.3	80
17	Ethylene regulates the timing of anther dehiscence in tobacco. <i>Planta</i> , 2003, 217, 131-137.	1.6	78
18	Untargeted metabolomic analysis of tomato pollen development and heat stress response. <i>Plant Reproduction</i> , 2017, 30, 81-94.	1.3	75

#	ARTICLE	IF	CITATIONS
19	Heat stress affects vegetative and reproductive performance and trait correlations in tomato (<i>Solanum lycopersicum</i>). <i>Euphytica</i> , 2017, 213, 1.	0.6	70
20	The coupling of transcriptome and proteome adaptation during development and heat stress response of tomato pollen. <i>BMC Genomics</i> , 2018, 19, 447.	1.2	68
21	Ethylene-induced <i>Arabidopsis</i> hypocotyl elongation is dependent on but not mediated by gibberellins. <i>Journal of Experimental Botany</i> , 2007, 58, 4269-4281.	2.4	64
22	Screening for pollen tolerance to high temperatures in tomato. <i>Euphytica</i> , 2017, 213, 1.	0.6	64
23	Mapping quantitative trait loci for heat tolerance of reproductive traits in tomato (<i>Solanum</i>) Tj ETQq1 1 0.784314 1.0 BT /Overlock 10 150 62		
24	Rapid flooding-induced adventitious root development from preformed primordia in <i>Solanum dulcamara</i> . <i>AoB PLANTS</i> , 2014, 6, .	1.2	59
25	Drought and flooding have distinct effects on herbivore-induced responses and resistance in <i>Solanum dulcamara</i> . <i>Plant, Cell and Environment</i> , 2016, 39, 1485-1499.	2.8	59
26	Expression analysis of five tobacco EIN3 family members in relation to tissue-specific ethylene responses. <i>Journal of Experimental Botany</i> , 2003, 54, 2239-2244.	2.4	51
27	Transcriptomic responses of <i>Solanum dulcamara</i> to natural and simulated herbivory. <i>Molecular Ecology Resources</i> , 2017, 17, e196-e211.	2.2	44
28	RP-ACS1, a flooding-induced 1-aminocyclopropane-1-carboxylate synthase gene of <i>Rumex palustris</i> , is involved in rhythmic ethylene production. <i>Journal of Experimental Botany</i> , 2005, 56, 841-849.	2.4	42
29	Exploring the natural variation for reproductive thermotolerance in wild tomato species. <i>Euphytica</i> , 2018, 214, 1.	0.6	37
30	High-Temperature-Induced Defects in Tomato (<i>Solanum lycopersicum</i>) Anther and Pollen Development Are Associated with Reduced Expression of B-Class Floral Patterning Genes. <i>PLoS ONE</i> , 2016, 11, e0167614.	1.1	33
31	Epigenetic events in plant male germ cell heat stress responses. <i>Plant Reproduction</i> , 2016, 29, 21-29.	1.3	32
32	BURSTING POLLEN is required to organize the pollen germination plaque and pollen tube tip in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2015, 206, 255-267.	3.5	28
33	Signaling pathways maintaining stem cells at the plant shoot apex. <i>Seminars in Cell and Developmental Biology</i> , 2009, 20, 1083-1088.	2.3	26
34	Genomic analysis of the native European <i>Solanum</i> species, <i>S. dulcamara</i> . <i>BMC Genomics</i> , 2013, 14, 356.	1.2	25
35	A disturbed auxin signaling affects adventitious root outgrowth in <i>Solanum dulcamara</i> under complete submergence. <i>Journal of Plant Physiology</i> , 2018, 224-225, 11-18.	1.6	20
36	Tomato ACS4 is necessary for timely start of and progression through the climacteric phase of fruit ripening. <i>Frontiers in Plant Science</i> , 2014, 5, 466.	1.7	19

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37	Isolation and Expression Analysis of a Tobacco AINTEGUMENTA Ortholog (NtANTL). <i>Plant and Cell Physiology</i> , 2005, 46, 803-805.	1.5	17
38	Reduced gibberellin response affects ethylene biosynthesis and responsiveness in the Arabidopsis <i>gai2-1 gai2-2</i> double mutant. <i>New Phytologist</i> , 2008, 177, 128-141.	3.5	17
39	Interactive Responses of <i>Solanum Dulcamara</i> to Drought and Insect Feeding are Herbivore Species-Specific. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3845.	1.8	17
40	Redox engineering enhances maize thermotolerance and grain yield in the field. <i>Plant Biotechnology Journal</i> , 2022, 20, 1819-1832.	4.1	13
41	Comparative next-generation mapping of the <i>Phytophthora infestans</i> resistance gene <i>Rpi-dlc2</i> in a European accession of <i>Solanum dulcamara</i> . <i>Theoretical and Applied Genetics</i> , 2013, 126, 59-68.	1.8	12
42	Low Salicylic Acid Level Improves Pollen Development Under Long-Term Mild Heat Conditions in Tomato. <i>Frontiers in Plant Science</i> , 2022, 13, 828743.	1.7	6
43	Long-Term Mild Heat Causes Post-Mitotic Pollen Abortion Through a Local Effect on Flowers. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	1