

Philip A. Wigge

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

9,915
citations

159585

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138484

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76
all docs

76
docs citations

76
times ranked

8595
citing authors

#	ARTICLE	IF	CITATIONS
1	Warm Temperature Promotes Shoot Regeneration in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2022, 63, 618-634.	3.1	18
2	PHYTOCHROME-INTERACTING FACTORS: a promising tool to improve crop productivity. <i>Journal of Experimental Botany</i> , 2022, 73, 3881-3897.	4.8	18
3	Recent advances in understanding thermomorphogenesis signaling. <i>Current Opinion in Plant Biology</i> , 2022, 68, 102231.	7.1	31
4	The evening complex integrates photoperiod signals to control flowering in rice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	32
5	Fine tuning of hormonal signaling is linked to dormancy status in sweet cherry flower buds. <i>Tree Physiology</i> , 2021, 41, 544-561.	3.1	20
6	An early-morning gene network controlled by phytochromes and cryptochromes regulates photomorphogenesis pathways in <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2021, 14, 983-996.	8.3	14
7	Exploring <i>PIF4</i> 's contribution to early flowering in plants under daily variable temperature and its tissue-specific flowering gene network. <i>Plant Direct</i> , 2021, 5, e339.	1.9	8
8	The Evening Complex Establishes Repressive Chromatin Domains Via H2A.Z Deposition. <i>Plant Physiology</i> , 2020, 182, 612-625.	4.8	23
9	A prion-like domain in ELF3 functions as a thermosensor in <i>Arabidopsis</i> . <i>Nature</i> , 2020, 585, 256-260.	27.8	337
10	Molecular mechanisms of Evening Complex activity in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 6901-6909.	7.1	101
11	AT-Hook Transcription Factors Restrict Petiole Growth by Antagonizing PIFs. <i>Current Biology</i> , 2020, 30, 1454-1466.e6.	3.9	39
12	ChIP-seq and RNA-seq for complex and low-abundance tree buds reveal chromatin and expression co-dynamics during sweet cherry bud dormancy. <i>Tree Genetics and Genomes</i> , 2020, 16, 1.	1.6	20
13	An RNA thermoswitch regulates daytime growth in <i>Arabidopsis</i> . <i>Nature Plants</i> , 2020, 6, 522-532.	9.3	155
14	Compartmentalized Synthesis of Triacylglycerol at the Inner Nuclear Membrane Regulates Nuclear Organization. <i>Developmental Cell</i> , 2019, 50, 755-766.e6.	7.0	52
15	LHY2 Integrates Night-Length Information to Determine Timing of Poplar Photoperiodic Growth. <i>Current Biology</i> , 2019, 29, 2402-2406.e4.	3.9	33
16	The presence of H3K4me3 histone mark is positively correlated with expression at the <i>DAM</i> loci in sweet cherry during dormancy. <i>Acta Horticulturae</i> , 2019, , 413-420.	0.2	1
17	From bud formation to flowering: transcriptomic state defines the cherry developmental phases of sweet cherry bud dormancy. <i>BMC Genomics</i> , 2019, 20, 974.	2.8	54
18	Direct Control of SPEECHLESS by PIF4 in the High-Temperature Response of Stomatal Development. <i>Current Biology</i> , 2018, 28, 1273-1280.e3.	3.9	110

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19	Chloroplast Signaling Gates Thermotolerance in Arabidopsis. <i>Cell Reports</i> , 2018, 22, 1657-1665.	6.4	80
20	Chromatin Immunoprecipitation Sequencing (ChIP-Seq) for Transcription Factors and Chromatin Factors in Arabidopsis thaliana Roots: From Material Collection to Data Analysis. <i>Methods in Molecular Biology</i> , 2018, 1761, 231-248.	0.9	11
21	Plant Physiology: Out in the Midday Sun, Plants Keep Their Cool. <i>Current Biology</i> , 2017, 27, R28-R30.	3.9	1
22	Tradict enables accurate prediction of eukaryotic transcriptional states from 100 marker genes. <i>Nature Communications</i> , 2017, 8, 15309.	12.8	18
23	Transcriptional Regulation of the Ambient Temperature Response by H2A.Z Nucleosomes and HSF1 Transcription Factors in Arabidopsis. <i>Molecular Plant</i> , 2017, 10, 1258-1273.	8.3	169
24	The G-Box Transcriptional Regulatory Code in Arabidopsis. <i>Plant Physiology</i> , 2017, 175, 628-640.	4.8	108
25	The evening complex coordinates environmental and endogenous signals in Arabidopsis. <i>Nature Plants</i> , 2017, 3, 17087.	9.3	205
26	Phytochrome B integrates light and temperature signals in <i>Arabidopsis</i> . <i>Science</i> , 2016, 354, 897-900.	12.6	637
27	Phytochromes function as thermosensors in <i>Arabidopsis</i> . <i>Science</i> , 2016, 354, 886-889.	12.6	694
28	Molecular and genetic control of plant thermomorphogenesis. <i>Nature Plants</i> , 2016, 2, 15190.	9.3	432
29	Hit and Run Transcription factors get caught in the act. <i>BioEssays</i> , 2015, 37, 748-754.	2.5	17
30	ELF3 Controls Thermoresponsive Growth in Arabidopsis. <i>Current Biology</i> , 2015, 25, 194-199.	3.9	225
31	Different mechanisms for <i>Arabidopsis thaliana</i> hybrid necrosis cases inferred from temperature responses. <i>Plant Biology</i> , 2014, 16, 1033-1041.	3.8	10
32	Thermal stress effects on grain yield in <i>Brachypodium distachyon</i> occur via H2A.Z-nucleosomes. <i>Genome Biology</i> , 2013, 14, R65.	8.8	82
33	Ambient temperature signalling in plants. <i>Current Opinion in Plant Biology</i> , 2013, 16, 661-666.	7.1	181
34	Interlocking Feedback Loops Govern the Dynamic Behavior of the Floral Transition in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2013, 25, 820-833.	6.6	205
35	Simple network motifs can capture key characteristics of the floral transition in <i>Arabidopsis</i> . <i>Plant Signaling and Behavior</i> , 2013, 8, e26149.	2.4	22
36	Uncovering the interplay between DNA sequence preferences of transcription factors and nucleosomes. <i>Cell Cycle</i> , 2012, 11, 4487-4488.	2.6	6

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37	Transcription factor PIF4 controls the thermosensory activation of flowering. <i>Nature</i> , 2012, 484, 242-245.	27.8	622
38	Florigen takes two to tango. <i>Nature Chemical Biology</i> , 2011, 7, 665-666.	8.0	3
39	FT, A Mobile Developmental Signal in Plants. <i>Current Biology</i> , 2011, 21, R374-R378.	3.9	129
40	PHYTOCHROME-INTERACTING FACTOR 4 (PIF4) regulates auxin biosynthesis at high temperature. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 20231-20235.	7.1	562
41	The dynamic genome of Hydra. <i>Nature</i> , 2010, 464, 592-596.	27.8	743
42	H2A.Z-Containing Nucleosomes Mediate the Thermosensory Response in Arabidopsis. <i>Cell</i> , 2010, 140, 136-147.	28.9	821
43	Plant Development: PIF4 Integrates Diverse Environmental Signals. <i>Current Biology</i> , 2009, 19, R265-R266.	3.9	29
44	Red sky in the morning, shepherd's warning. <i>Nature Genetics</i> , 2007, 39, 1309-1310.	21.4	3
45	FT Protein Acts as a Long-Range Signal in Arabidopsis. <i>Current Biology</i> , 2007, 17, 1050-1054.	3.9	622
46	The control of flowering in time and space. <i>Journal of Experimental Botany</i> , 2006, 57, 3415-3418.	4.8	53
47	Ambient temperature perception in plants. <i>Current Opinion in Plant Biology</i> , 2005, 8, 483-486.	7.1	132
48	Integration of Spatial and Temporal Information During Floral Induction in Arabidopsis. <i>Science</i> , 2005, 309, 1056-1059.	12.6	1,230
49	Signaling in plants by intercellular RNA and protein movement. <i>Genes and Development</i> , 2002, 16, 151-158.	5.9	86
50	Genome studies and molecular genetics. <i>Current Opinion in Plant Biology</i> , 2002, 5, 89-90.	7.1	1
51	Physiology and metabolism. <i>Current Opinion in Plant Biology</i> , 2002, 5, 189-190.	7.1	0
52	Biotic interactions. <i>Current Opinion in Plant Biology</i> , 2002, 5, 275-276.	7.1	16
53	Cell biology. <i>Current Opinion in Plant Biology</i> , 2002, 5, 475-476.	7.1	0
54	Arabidopsis genome: Life without Notch. <i>Current Biology</i> , 2001, 11, R112-R114.	3.9	26

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55	Genome studies and molecular genetics/Plant biotechnology web alert. <i>Current Opinion in Plant Biology</i> , 2001, 4, 101-102.	7.1	1
56	Physiology and metabolism. <i>Current Opinion in Plant Biology</i> , 2001, 4, 177-178.	7.1	4
57	Biotic interactions. <i>Current Opinion in Plant Biology</i> , 2001, 4, 277-278.	7.1	0
58	The Ndc80p Complex from <i>Saccharomyces cerevisiae</i> Contains Conserved Centromere Components and Has a Function in Chromosome Segregation. <i>Journal of Cell Biology</i> , 2001, 152, 349-360.	5.2	304
59	Analysis of the <i>Saccharomyces</i> Spindle Pole by Matrix-assisted Laser Desorption/Ionization (MALDI) Mass Spectrometry. <i>Journal of Cell Biology</i> , 1998, 141, 967-977.	5.2	317