Chentao Lin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

84 papers	7,279 citations	39 h-index	85 g-index
125 ext. papers	8,577 ext. citations	10.8 avg, IF	5.99 L-index

#	Paper	IF	Citations
84	A photoregulatory mechanism of the circadian clock in Arabidopsis. *Nature Plants*, **2021**, 7, 1397-1408	11.5	8
83	Different response modes and cooperation modulations of blue-light receptors in photomorphogenesis. *Plant, Cell and Environment*, **2021**, 44, 1802-1815	8.4	2
82	Regulation of Arabidopsis photoreceptor CRY2 by two distinct E3 ubiquitin ligases. *Nature Communications*, **2021**, 12, 2155	17.4	8
81	The transcriptional dynamics during de novo shoot organogenesis of Ma bamboo (Dendrocalamus latiflorus Munro): implication of the contributions of the abiotic stress response in this process. *Plant Journal*, **2021**, 107, 1513-1532	6.9	2
80	Production of purple Ma bamboo (Dendrocalamus latiflorus Munro) with enhanced drought and cold stress tolerance by engineering anthocyanin biosynthesis. *Planta*, **2021**, 254, 50	4.7	1
79	A structural view of plant CRY2 photoactivation and inactivation. *Nature Structural and Molecular Biology*, **2020**, 27, 401-403	17.6	8
78	Mechanisms of Cryptochrome-Mediated Photoresponses in Plants. *Annual Review of Plant Biology*, **2020**, 71, 103-129	30.7	61
77	Photooligomerization Determines Photosensitivity and Photoreactivity of Plant Cryptochromes. *Molecular Plant*, **2020**, 13, 398-413	14.4	24
76	The Full-Length Transcriptome of Spartina alterniflora Reveals the Complexity of High Salt Tolerance in Monocotyledonous Halophyte. *Plant and Cell Physiology*, **2020**, 61, 882-896	4.9	8
75	Transcriptome profiling reveals the crucial biological pathways involved in cold response in Moso bamboo (Phyllostachys edulis). *Tree Physiology*, **2020**, 40, 538-556	4.2	9
74	Robust CRISPR/Cas9 mediated genome editing and its application in manipulating plant height in the first generation of hexaploid Ma bamboo (Dendrocalamus latiflorus Munro). *Plant Biotechnology Journal*, **2020**, 18, 1501-1503	11.6	19
73	The Universally Conserved Residues Are Not Universally Required for Stable Protein Expression or Functions of Cryptochromes. *Molecular Biology and Evolution*, **2020**, 37, 327-340	8.3	3
72	The interplay between microRNA and alternative splicing of linear and circular RNAs in eleven plant species. *Bioinformatics*, **2019**, 35, 3119-3126	7.2	13
71	Arabidopsis IPGA1 is a microtubule-associated protein essential for cell expansion during petal morphogenesis. *Journal of Experimental Botany*, **2019**, 70, 5231-5243	7	6
70	Genome-Wide Profiling of Circular RNAs in the Rapidly Growing Shoots of Moso Bamboo (Phyllostachys edulis). *Plant and Cell Physiology*, **2019**, 60, 1354-1373	4.9	30
69	Characterization of Flowering Time Mutants. *Methods in Molecular Biology*, **2019**, 2026, 193-199	1.4	
68	Large Scale Profiling of Protein Isoforms Using Label-Free Quantitative Proteomics Revealed the Regulation of Nonsense-Mediated Decay in Moso Bamboo (). *Cells*, **2019**, 8,	7.9	7

67	Identification and Characterization of the PEBP Family Genes in Moso Bamboo (Phyllostachys heterocycla). *Scientific Reports*, **2019**, 9, 14998	4.9	7
66	Genome-Wide Characterization and Gene Expression Analyses of GATA Transcription Factors in Moso Bamboo (). *International Journal of Molecular Sciences*, **2019**, 21,	6.3	15
65	Photoreceptor signaling: when COP1 meets VPs. *EMBO Journal*, **2019**, 38, e102962	13	3
64	Cortical Microtubule Organization during Petal Morphogenesis in. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	5
63	Transcriptome characterization of moso bamboo (Phyllostachys edulis) seedlings in response to exogenous gibberellin applications. *BMC Plant Biology*, **2018**, 18, 125	5.3	31
62	Reconstituting Arabidopsis CRY2 Signaling Pathway in Mammalian Cells Reveals Regulation of Transcription by Direct Binding of CRY2 to DNA. *Cell Reports*, **2018**, 24, 585-593.e4	10.6	18
61	Beyond the photocycle-how cryptochromes regulate photoresponses in plants?. *Current Opinion in Plant Biology*, **2018**, 45, 120-126	9.9	36
60	New insights into the mechanisms of phytochrome-cryptochrome coaction. *New Phytologist*, **2018**, 217, 547-551	9.8	26
59	Comprehensive profiling of rhizome-associated alternative splicing and alternative polyadenylation in moso bamboo (Phyllostachys edulis). *Plant Journal*, **2017**, 91, 684-699	6.9	108
58	Molecular basis for blue light-dependent phosphorylation of Arabidopsis cryptochrome 2. *Nature Communications*, **2017**, 8, 15234	17.4	56
57	A photo-responsive F-box protein FOF2 regulates floral initiation by promoting FLC expression in Arabidopsis. *Plant Journal*, **2017**, 91, 788-801	6.9	12
56	Light Regulation of Alternative Pre-mRNA Splicing in Plants. *Photochemistry and Photobiology*, **2017** , 93, 159-165	3.6	13
55	A CRY-BIC negative-feedback circuitry regulating blue light sensitivity of Arabidopsis. *Plant Journal*, **2017**, 92, 426-436	6.9	35
54	Cryptochromes Orchestrate Transcription Regulation of Diverse Blue Light Responses in Plants. *Photochemistry and Photobiology*, **2017**, 93, 112-127	3.6	47
53	Genome-wide analysis and transcriptomic profiling of the auxin biosynthesis, transport and signaling family genes in moso bamboo (Phyllostachys heterocycla). *BMC Genomics*, **2017**, 18, 870	4.5	26
52	Coordination of Cryptochrome and Phytochrome Signals in the Regulation of Plant Light Responses. *Agronomy*, **2017**, 7, 25	3.6	30
51	Photomorphogenesis: When blue meets red. *Nature Plants*, **2016**, 2, 16019	11.5	3
50	Photoactivation and inactivation of Arabidopsis cryptochrome 2. *Science*, **2016**, 354, 343-347	33.3	101

49	Signaling mechanisms of plant cryptochromes in Arabidopsis thaliana. *Journal of Plant Research*, **2016**, 129, 137-48	2.6	63
48	A Drought-Inducible Transcription Factor Delays Reproductive Timing in Rice. *Plant Physiology*, **2016**, 171, 334-43	6.6	56
47	Using HEK293T Expression System to Study Photoactive Plant Cryptochromes. *Frontiers in Plant Science*, **2016**, 7, 940	6.2	17
46	The Blue Light-Dependent Polyubiquitination and Degradation of Arabidopsis Cryptochrome2 Requires Multiple E3 Ubiquitin Ligases. *Plant and Cell Physiology*, **2016**, 57, 2175-2186	4.9	15
45	Trp triad-dependent rapid photoreduction is not required for the function of Arabidopsis CRY1. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 9135-40	11.5	45
44	The blue light-dependent phosphorylation of the CCE domain determines the photosensitivity of Arabidopsis CRY2. *Molecular Plant*, **2015**, 8, 631-43	14.4	33
43	Using hybrid transcription factors to study gene function in rice. *Science China Life Sciences*, **2015**, 58, 1160-2	8.5	18
42	Over-expression of an S-domain receptor-like kinase extracellular domain improves panicle architecture and grain yield in rice. *Journal of Experimental Botany*, **2015**, 66, 7197-209	7	24
41	CONSTANS-LIKE 7 (COL7) is involved in phytochrome B (phyB)-mediated light-quality regulation of auxin homeostasis. *Molecular Plant*, **2014**, 7, 1429-1440	14.4	36
40	Cryptochrome-mediated light responses in plants. *The Enzymes*, **2014**, 35, 167-89	2.3	24
39	Preliminary Functional Analysis of the Isoforms of OsHsfA2a (Oryza sativa L.) Generated by Alternative Splicing. *Plant Molecular Biology Reporter*, **2013**, 31, 38-46	1.7	6
38	Blue light-dependent interaction between cryptochrome2 and CIB1 regulates transcription and leaf senescence in soybean. *Plant Cell*, **2013**, 25, 4405-20	11.6	87
37	Multiple bHLH proteins form heterodimers to mediate CRY2-dependent regulation of flowering-time in Arabidopsis. *PLoS Genetics*, **2013**, 9, e1003861	6	113
36	Arabidopsis CRY2 and ZTL mediate blue-light regulation of the transcription factor CIB1 by distinct mechanisms. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 17582-7	11.5	64
35	The action mechanisms of plant cryptochromes. *Trends in Plant Science*, **2011**, 16, 684-91	13.1	217
34	Blue light-dependent interaction of CRY2 with SPA1 regulates COP1 activity and floral initiation in Arabidopsis. *Current Biology*, **2011**, 21, 841-7	6.3	285
33	Arabidopsis cryptochrome 1 interacts with SPA1 to suppress COP1 activity in response to blue light. *Genes and Development*, **2011**, 25, 1029-34	12.6	267
32	Arabidopsis cryptochrome 2 (CRY2) functions by the photoactivation mechanism distinct from the tryptophan (trp) triad-dependent photoreduction. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 20844-9	11.5	81

31	The Cryptochrome Blue Light Receptors. *The Arabidopsis Book*, **2010**, 8, e0135	3	196
30	Searching for a photocycle of the cryptochrome photoreceptors. *Current Opinion in Plant Biology*, **2010**, 13, 578-86	9.9	122
29	Formation of nuclear bodies of Arabidopsis CRY2 in response to blue light is associated with its blue light-dependent degradation. *Plant Cell*, **2009**, 21, 118-30	11.6	108
28	Over-expression of an AT-hook gene, AHL22, delays flowering and inhibits the elongation of the hypocotyl in Arabidopsis thaliana. *Plant Molecular Biology*, **2009**, 71, 39-50	4.6	85
27	Photoexcited CRY2 interacts with CIB1 to regulate transcription and floral initiation in Arabidopsis. *Science*, **2008**, 322, 1535-9	33.3	475
26	Association of the circadian rhythmic expression of GmCRY1a with a latitudinal cline in photoperiodic flowering of soybean. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 21028-33	11.5	98
25	Light Regulation of Gibberellins Metabolism in Seedling Development. *Journal of Integrative Plant Biology*, **2007**, 49, 21-27	8.3	22
24	Florigen (II): It is a Mobile Protein. *Journal of Integrative Plant Biology*, **2007**, 49, 1665-1669	8.3	17
23	A study of gibberellin homeostasis and cryptochrome-mediated blue light inhibition of hypocotyl elongation. *Plant Physiology*, **2007**, 145, 106-18	6.6	116
22	Arabidopsis cryptochrome 2 completes its posttranslational life cycle in the nucleus. *Plant Cell*, **2007**, 19, 3146-56	11.6	107
21	Derepression of the NC80 motif is critical for the photoactivation of Arabidopsis CRY2. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 7289-94	11.5	80
20	Florigen: One Found, More to Follow?. *Journal of Integrative Plant Biology*, **2006**, 48, 617-621	8.3	6
19	The cryptochromes. *Genome Biology*, **2005**, 6, 220	18.3	257
18	Light Regulation of Flowering Time in Arabidopsis **2005**, 325-332		1
17	Regulation of flowering time in Arabidopsis by K homology domain proteins. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 12759-64	11.5	128
16	Plant sciences. A CONSTANS experience brought to light. *Science*, **2004**, 303, 965-6	33.3	10
15	Photoreceptors and Associated Signaling II: Cryptochromes **2004**, 885-888		1
14	Regulation of photoperiodic flowering by Arabidopsis photoreceptors. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 2140-5	11.5	222

13	Cryptochrome structure and signal transduction. *Annual Review of Plant Biology*, **2003**, 54, 469-96	30.7	369
12	Blue light-dependent in vivo and in vitro phosphorylation of Arabidopsis cryptochrome 1. *Plant Cell*, **2003**, 15, 2421-9	11.6	147
11	Regulation of Arabidopsis cryptochrome 2 by blue-light-dependent phosphorylation. *Nature*, **2002**, 417, 763-7	50.4	230
10	Blue light receptors and signal transduction. *Plant Cell*, **2002**, 14 Suppl, S207-25	11.6	252
9	Phototropin blue light receptors and light-induced movement responses in plants. *Science Signaling* , **2002**, 2002, pe5	8.8	11
8	SUB1, an Arabidopsis Ca2+-binding protein involved in cryptochrome and phytochrome coaction. *Science*, **2001**, 291, 487-90	33.3	131
7	Photoreceptors and regulation of flowering time. *Plant Physiology*, **2000**, 123, 39-50	6.6	166
6	Plant blue-light receptors. *Trends in Plant Science*, **2000**, 5, 337-42	13.1	189
5	The Arabidopsis blue light receptor cryptochrome 2 is a nuclear protein regulated by a blue light-dependent post-transcriptional mechanism. *Plant Journal*, **1999**, 19, 279-87	6.9	148
4	Regulation of flowering time by Arabidopsis photoreceptors. *Science*, **1998**, 279, 1360-3	33.3	611
3	Enhancement of blue-light sensitivity of Arabidopsis seedlings by a blue light receptor cryptochrome 2. *Proceedings of the National Academy of Sciences of the United States of America*, **1998**, 95, 2686-90	11.5	381
2	Arabidopsis cryptochrome 1 is a soluble protein mediating blue light-dependent regulation of plant growth and development. *Plant Journal*, **1996**, 10, 893-902	6.9	190
1	Mutations throughout an Arabidopsis blue-light photoreceptor impair blue-light-responsive anthocyanin accumulation and inhibition of hypocotyl elongation. *Plant Journal*, **1995**, 8, 653-8	6.9	171