

# Chentao Lin

## List of Publications by Year in descending order

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85  
papers

9,450  
citations

53751

45  
h-index

56687

83  
g-index

125  
all docs

125  
docs citations

125  
times ranked

6243  
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of Flowering Time by Arabidopsis Photoreceptors. <i>Science</i> , 1998, 279, 1360-1363.	6.0	713
2	Photoexcited CRY2 Interacts with CIB1 to Regulate Transcription and Floral Initiation in <i>Arabidopsis</i> . <i>Science</i> , 2008, 322, 1535-1539.	6.0	615
3	Enhancement of blue-light sensitivity of Arabidopsis seedlings by a blue light receptor cryptochrome 2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 2686-2690.	3.3	472
4	CRYPTOCHROME STRUCTURE AND SIGNAL TRANSDUCTION. <i>Annual Review of Plant Biology</i> , 2003, 54, 469-496.	8.6	416
5	Blue Light-Dependent Interaction of CRY2 with SPA1 Regulates COP1 activity and Floral Initiation in Arabidopsis. <i>Current Biology</i> , 2011, 21, 841-847.	1.8	351
6	<i>Arabidopsis</i> cryptochrome 1 interacts with SPA1 to suppress COP1 activity in response to blue light. <i>Genes and Development</i> , 2011, 25, 1029-1034.	2.7	321
7	Blue Light Receptors and Signal Transduction. <i>Plant Cell</i> , 2002, 14, S207-S225.	3.1	300
8	The cryptochromes. <i>Genome Biology</i> , 2005, 6, 220.	13.9	300
9	Regulation of photoperiodic flowering by Arabidopsis photoreceptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 2140-2145.	3.3	273
10	Regulation of Arabidopsis cryptochrome 2 by blue-light-dependent phosphorylation. <i>Nature</i> , 2002, 417, 763-767.	13.7	271
11	The action mechanisms of plant cryptochromes. <i>Trends in Plant Science</i> , 2011, 16, 684-691.	4.3	259
12	Plant blue-light receptors. <i>Trends in Plant Science</i> , 2000, 5, 337-342.	4.3	250
13	The Cryptochrome Blue Light Receptors. <i>The Arabidopsis Book</i> , 2010, 8, e0135.	0.5	246
14	Arabidopsis cryptochrome 1 is a soluble protein mediating blue light-dependent regulation of plant growth and development. <i>Plant Journal</i> , 1996, 10, 893-902.	2.8	220
15	Photoreceptors and Regulation of Flowering Time. <i>Plant Physiology</i> , 2000, 123, 39-50.	2.3	196
16	Mutations throughout an Arabidopsis blue-light photoreceptor impair blue-light-responsive anthocyanin accumulation and inhibition of hypocotyl elongation. <i>Plant Journal</i> , 1995, 8, 653-658.	2.8	194
17	Blue Light-Dependent in Vivo and in Vitro Phosphorylation of Arabidopsis Cryptochrome 1. <i>Plant Cell</i> , 2003, 15, 2421-2429.	3.1	175
18	Comprehensive profiling of rhizome-associated alternative splicing and alternative polyadenylation in moso bamboo ( <i>Phyllostachys edulis</i> ). <i>Plant Journal</i> , 2017, 91, 684-699.	2.8	170

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19	The Arabidopsis blue light receptor cryptochrome 2 is a nuclear protein regulated by a blue light-dependent post-transcriptional mechanism. <i>Plant Journal</i> , 1999, 19, 279-287.	2.8	165
20	Multiple bHLH Proteins form Heterodimers to Mediate CRY2-Dependent Regulation of Flowering-Time in Arabidopsis. <i>PLoS Genetics</i> , 2013, 9, e1003861.	1.5	159
21	Regulation of flowering time in Arabidopsis by K homology domain proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 12759-12764.	3.3	150
22	Photoactivation and inactivation of <i>Arabidopsis</i> cryptochrome 2. <i>Science</i> , 2016, 354, 343-347.	6.0	149
23	Mechanisms of Cryptochrome-Mediated Photoresponses in Plants. <i>Annual Review of Plant Biology</i> , 2020, 71, 103-129.	8.6	145
24	Searching for a photocycle of the cryptochrome photoreceptors. <i>Current Opinion in Plant Biology</i> , 2010, 13, 578-586.	3.5	144
25	SUB1, an Arabidopsis Ca <sup>2+</sup> -Binding Protein Involved in Cryptochrome and Phytochrome Coaction. <i>Science</i> , 2001, 291, 487-490.	6.0	141
26	A Study of Gibberellin Homeostasis and Cryptochrome-Mediated Blue Light Inhibition of Hypocotyl Elongation. <i>Plant Physiology</i> , 2007, 145, 106-118.	2.3	140
27	Over-expression of an AT-hook gene, AHL22, delays flowering and inhibits the elongation of the hypocotyl in <i>Arabidopsis thaliana</i> . <i>Plant Molecular Biology</i> , 2009, 71, 39-50.	2.0	139
28	<i>Arabidopsis</i> Cryptochrome 2 Completes Its Posttranslational Life Cycle in the Nucleus. <i>Plant Cell</i> , 2007, 19, 3146-3156.	3.1	136
29	Formation of Nuclear Bodies of <i>Arabidopsis</i> CRY2 in Response to Blue Light Is Associated with Its Blue Light-Dependent Degradation. <i>Plant Cell</i> , 2009, 21, 118-130.	3.1	136
30	Blue Light-Dependent Interaction between Cryptochrome2 and CIB1 Regulates Transcription and Leaf Senescence in Soybean. <i>Plant Cell</i> , 2013, 25, 4405-4420.	3.1	119
31	Association of the circadian rhythmic expression of GmCRY1a with a latitudinal cline in photoperiodic flowering of soybean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 21028-21033.	3.3	118
32	Arabidopsis cryptochrome 2 (CRY2) functions by the photoactivation mechanism distinct from the tryptophan (trp) triad-dependent photoreduction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 20844-20849.	3.3	94
33	A Drought-Inducible Transcription Factor Delays Reproductive Timing in Rice. <i>Plant Physiology</i> , 2016, 171, 334-343.	2.3	94
34	Derepression of the NC80 motif is critical for the photoactivation of Arabidopsis CRY2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 7289-7294.	3.3	89
35	Signaling mechanisms of plant cryptochromes in <i>Arabidopsis thaliana</i> . <i>Journal of Plant Research</i> , 2016, 129, 137-148.	1.2	89
36	Molecular basis for blue light-dependent phosphorylation of Arabidopsis cryptochrome 2. <i>Nature Communications</i> , 2017, 8, 15234.	5.8	81

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37	<i>Arabidopsis</i> CRY2 and ZTL mediate blue-light regulation of the transcription factor CIB1 by distinct mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 17582-17587.	3.3	78
38	A photoregulatory mechanism of the circadian clock in <i>Arabidopsis</i> . <i>Nature Plants</i> , 2021, 7, 1397-1408.	4.7	76
39	Cryptochromes Orchestrate Transcription Regulation of Diverse Blue Light Responses in Plants. <i>Photochemistry and Photobiology</i> , 2017, 93, 112-127.	1.3	72
40	Transcriptome characterization of moso bamboo ( <i>Phyllostachys edulis</i> ) seedlings in response to exogenous gibberellin applications. <i>BMC Plant Biology</i> , 2018, 18, 125.	1.6	67
41	CONSTANS-LIKE 7 (COL7) Is Involved in Phytochrome B (phyB)-Mediated Light-Quality Regulation of Auxin Homeostasis. <i>Molecular Plant</i> , 2014, 7, 1429-1440.	3.9	64
42	Beyond the photocycle – how cryptochromes regulate photoresponses in plants?. <i>Current Opinion in Plant Biology</i> , 2018, 45, 120-126.	3.5	61
43	Trp triad-dependent rapid photoreduction is not required for the function of <i>Arabidopsis</i> CRY1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 9135-9140.	3.3	57
44	Genome-Wide Profiling of Circular RNAs in the Rapidly Growing Shoots of Moso Bamboo ( <i>Phyllostachys edulis</i> ). <i>Plant and Cell Physiology</i> , 2019, 60, 1354-1373.	1.5	56
45	A <i>CRY</i> - <i>BIC</i> negative feedback circuitry regulating blue light sensitivity of <i>Arabidopsis</i> . <i>Plant Journal</i> , 2017, 92, 426-436.	2.8	53
46	Genome-wide analysis and transcriptomic profiling of the auxin biosynthesis, transport and signaling family genes in moso bamboo ( <i>Phyllostachys heterocycla</i> ). <i>BMC Genomics</i> , 2017, 18, 870.	1.2	51
47	Coordination of Cryptochrome and Phytochrome Signals in the Regulation of Plant Light Responses. <i>Agronomy</i> , 2017, 7, 25.	1.3	48
48	The Blue Light-Dependent Phosphorylation of the CCE Domain Determines the Photosensitivity of <i>Arabidopsis</i> CRY2. <i>Molecular Plant</i> , 2015, 8, 631-643.	3.9	47
49	Photooligomerization Determines Photosensitivity and Photoreactivity of Plant Cryptochromes. <i>Molecular Plant</i> , 2020, 13, 398-413.	3.9	42
50	Robust CRISPR/Cas9 mediated genome editing and its application in manipulating plant height in the first generation of hexaploid Ma bamboo ( <i>Dendrocalamus latiflorus</i> Munro). <i>Plant Biotechnology Journal</i> , 2020, 18, 1501-1503.	4.1	40
51	New insights into the mechanisms of phytochrome-cryptochrome coaction. <i>New Phytologist</i> , 2018, 217, 547-551.	3.5	38
52	Cryptochrome-Mediated Light Responses in Plants. <i>The Enzymes</i> , 2014, 35, 167-189.	0.7	37
53	Over-expression of an S-domain receptor-like kinase extracellular domain improves panicle architecture and grain yield in rice. <i>Journal of Experimental Botany</i> , 2015, 66, 7197-7209.	2.4	36
54	Genome-Wide Characterization and Gene Expression Analyses of GATA Transcription Factors in Moso Bamboo ( <i>Phyllostachys edulis</i> ). <i>International Journal of Molecular Sciences</i> , 2020, 21, 14.	1.8	33

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55	Regulation of Arabidopsis photoreceptor CRY2 by two distinct E3 ubiquitin ligases. <i>Nature Communications</i> , 2021, 12, 2155.	5.8	28
56	Transcriptome profiling reveals the crucial biological pathways involved in cold response in Moso bamboo ( <i>Phyllostachys edulis</i> ). <i>Tree Physiology</i> , 2020, 40, 538-556.	1.4	27
57	Reconstituting Arabidopsis CRY2 Signaling Pathway in Mammalian Cells Reveals Regulation of Transcription by Direct Binding of CRY2 to DNA. <i>Cell Reports</i> , 2018, 24, 585-593.e4.	2.9	25
58	The Full-Length Transcriptome of <i>Spartina alterniflora</i> Reveals the Complexity of High Salt Tolerance in Monocotyledonous Halophyte. <i>Plant and Cell Physiology</i> , 2020, 61, 882-896.	1.5	25
59	Light Regulation of Gibberellins Metabolism in Seedling Development. <i>Journal of Integrative Plant Biology</i> , 2007, 49, 21-27.	4.1	23
60	Using hybrid transcription factors to study gene function in rice. <i>Science China Life Sciences</i> , 2015, 58, 1160-1162.	2.3	23
61	The Blue Light-Dependent Polyubiquitination and Degradation of Arabidopsis Cryptochrome2 Requires Multiple E3 Ubiquitin Ligases. <i>Plant and Cell Physiology</i> , 2016, 57, 2175-2186.	1.5	23
62	Florigen (II): It is a Mobile Protein. <i>Journal of Integrative Plant Biology</i> , 2007, 49, 1665-1669.	4.1	22
63	Using HEK293T Expression System to Study Photoactive Plant Cryptochromes. <i>Frontiers in Plant Science</i> , 2016, 7, 940.	1.7	20
64	A photoresponsive F-box protein <i>FOF2</i> regulates floral initiation by promoting <i>FLC</i> expression in Arabidopsis. <i>Plant Journal</i> , 2017, 91, 788-801.	2.8	20
65	Light Regulation of Alternative Pre-mRNA Splicing in Plants. <i>Photochemistry and Photobiology</i> , 2017, 93, 159-165.	1.3	20
66	A structural view of plant CRY2 photoactivation and inactivation. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 401-403.	3.6	19
67	The interplay between microRNA and alternative splicing of linear and circular RNAs in eleven plant species. <i>Bioinformatics</i> , 2019, 35, 3119-3126.	1.8	18
68	Drought induces epitranscriptome and proteome changes in stem-differentiating xylem of <i>Populus trichocarpa</i> . <i>Plant Physiology</i> , 2022, 190, 459-479.	2.3	18
69	Production of purple Ma bamboo ( <i>Dendrocalamus latiflorus</i> Munro) with enhanced drought and cold stress tolerance by engineering anthocyanin biosynthesis. <i>Planta</i> , 2021, 254, 50.	1.6	15
70	Cortical Microtubule Organization during Petal Morphogenesis in Arabidopsis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4913.	1.8	14
71	Phototropin Blue Light Receptors and Light-Induced Movement Responses in Plants. <i>Science Signaling</i> , 2002, 2002, pe5-pe5.	1.6	13
72	Large Scale Profiling of Protein Isoforms Using Label-Free Quantitative Proteomics Revealed the Regulation of Nonsense-Mediated Decay in Moso Bamboo ( <i>Phyllostachys edulis</i> ). <i>Cells</i> , 2019, 8, 744.	1.8	13

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73	Identification and Characterization of the PEBP Family Genes in Moso Bamboo ( <i>Phyllostachys</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 101	1.6	13
74	PLANT SCIENCES: A CONSTANS Experience Brought to Light. <i>Science</i> , 2004, 303, 965-966.	6.0	12
75	Arabidopsis IPGA1 is a microtubule-associated protein essential for cell expansion during petal morphogenesis. <i>Journal of Experimental Botany</i> , 2019, 70, 5231-5243.	2.4	12
76	The transcriptional dynamics during <i>de novo</i> shoot organogenesis of Ma bamboo ( <i>Dendrocalamus latiflorus</i> Munro): implication of the contributions of the abiotic stress response in this process. <i>Plant Journal</i> , 2021, 107, 1513-1532.	2.8	10
77	Preliminary Functional Analysis of the Isoforms of OsHsfA2a ( <i>Oryza sativa</i> L.) Generated by Alternative Splicing. <i>Plant Molecular Biology Reporter</i> , 2013, 31, 38-46.	1.0	9
78	The Universally Conserved Residues Are Not Universally Required for Stable Protein Expression or Functions of Cryptochromes. <i>Molecular Biology and Evolution</i> , 2020, 37, 327-340.	3.5	8
79	Florigen: One Found, More to Follow?. <i>Journal of Integrative Plant Biology</i> , 2006, 48, 617-621.	4.1	7
80	Photoreceptor signaling: when COP1 meets VPs. <i>EMBO Journal</i> , 2019, 38, e102962.	3.5	7
81	Photomorphogenesis: When blue meets red. <i>Nature Plants</i> , 2016, 2, 16019.	4.7	6
82	Different response modes and cooperation modulations of blue light receptors in photomorphogenesis. <i>Plant, Cell and Environment</i> , 2021, 44, 1802-1815.	2.8	6
83	Light Regulation of Flowering Time in Arabidopsis. , 2005, , 325-332.		4
84	Characterization of Flowering Time Mutants. <i>Methods in Molecular Biology</i> , 2019, 2026, 193-199.	0.4	1
85	Photoreceptors and Associated Signaling II: Cryptochromes. , 2004, , 885-888.		1