Chentao Lin

List of Publications by Year
in descending order

85 papers	9,450 citations	53794 45 h-index	56724 83 g-index
125 all docs	125 docs citations	125 times ranked	6243 citing authors

#	Article	IF	Citations
1	Drought induces epitranscriptome and proteome changes in stem-differentiating xylem of <i>Populus trichocarpa</i>. Plant Physiology, 2022, 190, 459-479.	4.8	18
2	Different response modes and cooperation modulations of blueâ€light receptors in photomorphogenesis. Plant, Cell and Environment, 2021, 44, 1802-1815.	5.7	6
3	Regulation of Arabidopsis photoreceptor CRY2 by two distinct E3 ubiquitin ligases. Nature Communications, 2021, 12, 2155.	12.8	28
4	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. Plant Journal, 2021, 107, 1513-1532.	5.7	10
5	Production of purple Ma bamboo (Dendrocalamus latiflorus Munro) with enhanced drought and cold stress tolerance by engineering anthocyanin biosynthesis. Planta, 2021, 254, 50.	3.2	15
6	A photoregulatory mechanism of the circadian clock in Arabidopsis. Nature Plants, 2021, 7, 1397-1408.	9.3	76
7	The Universally Conserved Residues Are Not Universally Required for Stable Protein Expression or Functions of Cryptochromes. Molecular Biology and Evolution, 2020, 37, 327-340.	8.9	8
8	Transcriptome profiling reveals the crucial biological pathways involved in cold response in Moso bamboo (Phyllostachys edulis). Tree Physiology, 2020, 40, 538-556.	3.1	27
9	Robust CRISPR/Cas9 mediated genome editing and its application in manipulating plant height in the first generation of hexaploid Ma bamboo (<i>Dendrocalamus latiflorus Munro</i>). Plant Biotechnology Journal, 2020, 18, 1501-1503.	8.3	40
10	Genome-Wide Characterization and Gene Expression Analyses of GATA Transcription Factors in Moso Bamboo (Phyllostachys edulis). International Journal of Molecular Sciences, 2020, 21, 14.	4.1	33
11	A structural view of plant CRY2 photoactivation and inactivation. Nature Structural and Molecular Biology, 2020, 27, 401-403.	8.2	19
12	Mechanisms of Cryptochrome-Mediated Photoresponses in Plants. Annual Review of Plant Biology, 2020, 71, 103-129.	18.7	145
13	Photooligomerization Determines Photosensitivity and Photoreactivity of Plant Cryptochromes. Molecular Plant, 2020, 13, 398-413.	8.3	42
14	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.	3.1	25
15	Characterization of Flowering Time Mutants. Methods in Molecular Biology, 2019, 2026, 193-199.	0.9	1
16	Large Scale Profiling of Protein Isoforms Using Label-Free Quantitative Proteomics Revealed the Regulation of Nonsense-Mediated Decay in Moso Bamboo (Phyllostachys edulis). Cells, 2019, 8, 744.	4.1	13
17	Identification and Characterization of the PEBP Family Genes in Moso Bamboo (Phyllostachys) Tj ETQq1 1 0.784314 rgBT /Overlock 1	3.3	13
18	The interplay between microRNA and alternative splicing of linear and circular RNAs in eleven plant species. Bioinformatics, 2019, 35, 3119-3126.	4.1	18

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19	Arabidopsis IPGA1 is a microtubule-associated protein essential for cell expansion during petal morphogenesis. Journal of Experimental Botany, 2019, 70, 5231-5243.	4.8	12
20	Genome-Wide Profiling of Circular RNAs in the Rapidly Growing Shoots of Moso Bamboo (Phyllostachys edulis). Plant and Cell Physiology, 2019, 60, 1354-1373.	3.1	56
21	Photoreceptor signaling: when COP1 meets VPs. EMBO Journal, 2019, 38, e102962.	7.8	7
22	Cortical Microtubule Organization during Petal Morphogenesis in Arabidopsis. International Journal of Molecular Sciences, 2019, 20, 4913.	4.1	14
23	New insights into the mechanisms of phytochromeâ€"cryptochrome coaction. New Phytologist, 2018, 217, 547-551.	7.3	38
24	Transcriptome characterization of moso bamboo (Phyllostachys edulis) seedlings in response to exogenous gibberellin applications. BMC Plant Biology, 2018, 18, 125.	3.6	67
25	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.	6.4	25
26	Beyond the photocycle â€" how cryptochromes regulate photoresponses in plants?. Current Opinion in Plant Biology, 2018, 45, 120-126.	7.1	61
27	Comprehensive profiling of rhizomeâ€associated alternative splicing and alternative polyadenylation in moso bamboo (<i>Phyllostachys edulis</i>). Plant Journal, 2017, 91, 684-699.	5.7	170
28	Molecular basis for blue light-dependent phosphorylation of Arabidopsis cryptochrome 2. Nature Communications, 2017, 8, 15234.	12.8	81
29	A photoâ€responsive Fâ€box protein <scp>FOF</scp>2 regulates floral initiation by promoting <i><scp>FLC</scp></i> expression in Arabidopsis. Plant Journal, 2017, 91, 788-801.	5.7	20
30	Light Regulation of Alternative Preâ€<scp>mRNA</scp> Splicing in Plants. Photochemistry and Photobiology, 2017, 93, 159-165.	2.5	20
31	A <scp>CRY</scp>â€"<scp>BIC</scp> negativeâ€feedback circuitry regulating blue light sensitivity of Arabidopsis. Plant Journal, 2017, 92, 426-436.	5.7	53
32	Cryptochromes Orchestrate Transcription Regulation of Diverse Blue Light Responses in Plants. Photochemistry and Photobiology, 2017, 93, 112-127.	2.5	72
33	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.	2.8	51
34	Coordination of Cryptochrome and Phytochrome Signals in the Regulation of Plant Light Responses. Agronomy, 2017, 7, 25.	3.0	48
35	Using HEK293T Expression System to Study Photoactive Plant Cryptochromes. Frontiers in Plant Science, 2016, 7, 940.	3.6	20
36	The Blue Light-Dependent Polyubiquitination and Degradation of Arabidopsis Cryptochrome2 Requires Multiple E3 Ubiquitin Ligases. Plant and Cell Physiology, 2016, 57, 2175-2186.	3.1	23

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37	Photomorphogenesis: When blue meets red. Nature Plants, 2016, 2, 16019.	9.3	6
38	Photoactivation and inactivation of <i>Arabidopsis</i> cryptochrome 2. Science, 2016, 354, 343-347.	12.6	149
39	Signaling mechanisms of plant cryptochromes in Arabidopsis thaliana. Journal of Plant Research, 2016, 129, 137-148.	2.4	89
40	A Drought-Inducible Transcription Factor Delays Reproductive Timing in Rice. Plant Physiology, 2016, 171, 334-343.	4.8	94
41	Using hybrid transcription factors to study gene function in rice. Science China Life Sciences, 2015, 58, 1160-1162.	4.9	23
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, 7197-7209.	4.8	36
43	Trp triad-dependent rapid photoreduction is not required for the function of <i>Arabidopsis</i> CRY1. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9135-9140.	7.1	57
44	The Blue Light-Dependent Phosphorylation of the CCE Domain Determines the Photosensitivity of Arabidopsis CRY2. Molecular Plant, 2015, 8, 631-643.	8.3	47
45	Cryptochrome-Mediated Light Responses in Plants. The Enzymes, 2014, 35, 167-189.	1.7	37
46	CONSTANS-LIKE 7 (COL7) Is Involved in Phytochrome B (phyB)-Mediated Light-Quality Regulation of Auxin Homeostasis. Molecular Plant, 2014, 7, 1429-1440.	8.3	64
47	Preliminary Functional Analysis of the Isoforms of OsHsfA2a (Oryza sativa L.) Generated by Alternative Splicing. Plant Molecular Biology Reporter, 2013, 31, 38-46.	1.8	9
48	Blue Light-Dependent Interaction between Cryptochrome2 and CIB1 Regulates Transcription and Leaf Senescence in Soybean. Plant Cell, 2013, 25, 4405-4420.	6.6	119
49	Multiple bHLH Proteins form Heterodimers to Mediate CRY2-Dependent Regulation of Flowering-Time in Arabidopsis. PLoS Genetics, 2013, 9, e1003861.	3.5	159
50	<i>Arabidopsis</i> 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, 17582-17587.	7.1	78
51	The action mechanisms of plant cryptochromes. Trends in Plant Science, 2011, 16, 684-691.	8.8	259
52	Blue Light-Dependent Interaction of CRY2 with SPA1 Regulates COP1 activity and Floral Initiation in Arabidopsis. Current Biology, 2011, 21, 841-847.	3.9	351
53	<i>Arabidopsis</i> cryptochrome 1 interacts with SPA1 to suppress COP1 activity in response to blue light. Genes and Development, 2011, 25, 1029-1034.	5.9	321
54	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, 20844-20849.	7.1	94

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55	Searching for a photocycle of the cryptochrome photoreceptors. Current Opinion in Plant Biology, 2010, 13, 578-586.	7.1	144
56	The Cryptochrome Blue Light Receptors. The Arabidopsis Book, 2010, 8, e0135.	0.5	246
57	Formation of Nuclear Bodies of <i>Arabidopsis</i> CRY2 in Response to Blue Light Is Associated with Its Blue Lightâ€"Dependent Degradation. Plant Cell, 2009, 21, 118-130.	6.6	136
58	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.	3.9	139
59	Photoexcited CRY2 Interacts with CIB1 to Regulate Transcription and Floral Initiation in <i>Arabidopsis</i>. Science, 2008, 322, 1535-1539.	12.6	615
60	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, 21028-21033.	7.1	118
61	A Study of Gibberellin Homeostasis and Cryptochrome-Mediated Blue Light Inhibition of Hypocotyl Elongation. Plant Physiology, 2007, 145, 106-118.	4.8	140
62	<i>Arabidopsis</i>Cryptochrome 2 Completes Its Posttranslational Life Cycle in the Nucleus. Plant Cell, 2007, 19, 3146-3156.	6.6	136
63	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, 7289-7294.	7.1	89
64	Light Regulation of Gibberellins Metabolism in Seedling Development. Journal of Integrative Plant Biology, 2007, 49, 21-27.	8.5	23
65	Florigen (II): It is a Mobile Protein. Journal of Integrative Plant Biology, 2007, 49, 1665-1669.	8.5	22
66	Florigen: One Found, More to Follow?. Journal of Integrative Plant Biology, 2006, 48, 617-621.	8.5	7
67	Light Regulation of Flowering Time in Arabidopsis. , 2005, , 325-332.		4
68	The cryptochromes. Genome Biology, 2005, 6, 220.	9.6	300
69	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, 12759-12764.	7.1	150
70	PLANT SCIENCES: A CONSTANS Experience Brought to Light. Science, 2004, 303, 965-966.	12.6	12
71	Photoreceptors and Associated Signaling II: Cryptochromes. , 2004, , 885-888.		1
72	CRYPTOCHROMESTRUCTURE ANDSIGNALTRANSDUCTION. Annual Review of Plant Biology, 2003, 54, 469-496.	18.7	416

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73	Blue Light-Dependent in Vivo and in Vitro Phosphorylation of Arabidopsis Cryptochrome 1. Plant Cell, 2003, 15, 2421-2429.	6.6	175
74	Regulation of photoperiodic flowering by Arabidopsis photoreceptors. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 2140-2145.	7.1	273
75	Blue Light Receptors and Signal Transduction. Plant Cell, 2002, 14, S207-S225.	6.6	300
76	Phototropin Blue Light Receptors and Light-Induced Movement Responses in Plants. Science Signaling, 2002, 2002, pe5-pe5.	3.6	13
77	Regulation of Arabidopsis cryptochrome 2 by blue-light-dependent phosphorylation. Nature, 2002, 417, 763-767.	27.8	271
78	SUB1, an Arabidopsis Ca2+-Binding Protein Involved in Cryptochrome and Phytochrome Coaction. Science, 2001, 291, 487-490.	12.6	141
79	Photoreceptors and Regulation of Flowering Time. Plant Physiology, 2000, 123, 39-50.	4.8	196
80	Plant blue-light receptors. Trends in Plant Science, 2000, 5, 337-342.	8.8	250
81	The Arabidopsis blue light receptor cryptochrome 2 is a nuclear protein regulated by a blue light-dependent post-transcriptional mechanism. Plant Journal, 1999, 19, 279-287.	5.7	165
82	Regulation of Flowering Time by Arabidopsis Photoreceptors. Science, 1998, 279, 1360-1363.	12.6	713
83	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, 2686-2690.	7.1	472
84	Arabidopsis cryptochrome 1 is a soluble protein mediating blue light-dependent regulation of plant growth and development. Plant Journal, 1996, 10, 893-902.	5.7	220
85	Mutations throughout an Arabidopsis blue-light photoreceptor impair blue-light-responsive anthocyanin accumulation and inhibition of hypocotyl elongation. Plant Journal, 1995, 8, 653-658.	5.7	194