

# Hongtao Liu

## List of Publications by Year in descending order

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41  
papers

4,502  
citations

172457

29  
h-index

289244

40  
g-index

43  
all docs

43  
docs citations

43  
times ranked

4589  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoexcited CRY2 Interacts with CIB1 to Regulate Transcription and Floral Initiation in <i>Arabidopsis</i> . <i>Science</i> , 2008, 322, 1535-1539.	12.6	615
2	Blue Light-Dependent Interaction of CRY2 with SPA1 Regulates COP1 activity and Floral Initiation in <i>Arabidopsis</i> . <i>Current Biology</i> , 2011, 21, 841-847.	3.9	351
3	Cryptochrome 1 interacts with PIF4 to regulate high temperature-mediated hypocotyl elongation in response to blue light. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 224-229.	7.1	332
4	<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.	5.9	321
5	The action mechanisms of plant cryptochromes. <i>Trends in Plant Science</i> , 2011, 16, 684-691.	8.8	259
6	The Cryptochrome Blue Light Receptors. <i>The Arabidopsis Book</i> , 2010, 8, e0135.	0.5	246
7	Differential TOR activation and cell proliferation in <i>Arabidopsis</i> root and shoot apices. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2765-2770.	7.1	233
8	UVR8 Interacts with BES1 and BIM1 to Regulate Transcription and Photomorphogenesis in <i>Arabidopsis</i> . <i>Developmental Cell</i> , 2018, 44, 512-523.e5.	7.0	180
9	Multiple bHLH Proteins form Heterodimers to Mediate CRY2-Dependent Regulation of Flowering-Time in <i>Arabidopsis</i> . <i>PLoS Genetics</i> , 2013, 9, e1003861.	3.5	159
10	UVR8 interacts with WRKY36 to regulate HY5 transcription and hypocotyl elongation in <i>Arabidopsis</i> . <i>Nature Plants</i> , 2018, 4, 98-107.	9.3	155
11	Searching for a photocycle of the cryptochrome photoreceptors. <i>Current Opinion in Plant Biology</i> , 2010, 13, 578-586.	7.1	144
12	Cyclic nucleotide-gated channel 18 is an essential Ca <sup>2+</sup> channel in pollen tube tips for pollen tube guidance to ovules in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3096-3101.	7.1	136
13	An Intrinsic MicroRNA Timer Regulates Progressive Decline in Shoot Regenerative Capacity in Plants. <i>Plant Cell</i> , 2015, 27, 349-360.	6.6	128
14	UV-B photoreceptor UVR8 interacts with MYB73/MYB77 to regulate auxin responses and lateral root development. <i>EMBO Journal</i> , 2020, 39, e101928.	7.8	97
15	<i>Arabidopsis</i> 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.	7.1	94
16	Signal transduction mediated by the plant UV-B photoreceptor UVR8. <i>New Phytologist</i> , 2019, 221, 1247-1252.	7.3	80
17	Brassinosteroid-Activated BRI1-EMS-SUPPRESSOR 1 Inhibits Flavonoid Biosynthesis and Coordinates Growth and UV-B Stress Responses in Plants. <i>Plant Cell</i> , 2020, 32, 3224-3239.	6.6	79
18	<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.	7.1	78

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19	Optogenetic Control of Transcription in Zebrafish. PLoS ONE, 2012, 7, e50738.	2.5	67
20	A Role for Protein Kinase Casein Kinase2 Î±-Subunits in the Arabidopsis Circadian Clock. Plant Physiology, 2011, 157, 1537-1545.	4.8	62
21	Blue Light Regulates Secondary Cell Wall Thickening via MYC2/MYC4 Activation of the <i>NST1</i> -Directed Transcriptional Network in Arabidopsis. Plant Cell, 2018, 30, 2512-2528.	6.6	59
22	The oligomeric structures of plant cryptochromes. Nature Structural and Molecular Biology, 2020, 27, 480-488.	8.2	59
23	Blue Light- and Low Temperature-Regulated COR27 and COR28 Play Roles in the Arabidopsis Circadian Clock. Plant Cell, 2016, 28, 2755-2769.	6.6	56
24	<i>CIB1</i> and <i>CO</i> interact to mediate <i>CRY2</i> -dependent regulation of flowering. EMBO Reports, 2018, 19, .	4.5	49
25	How plants protect themselves from ultraviolet-B radiation stress. Plant Physiology, 2021, 187, 1096-1103.	4.8	49
26	The <i>CRY2</i> - <i>COP1</i> - <i>HY5</i> - <i>BBX7/8</i> module regulates blue light-dependent cold acclimation in Arabidopsis. Plant Cell, 2021, 33, 3555-3573.	6.6	49
27	Metabolite-mediated TOR signaling regulates the circadian clock in <i>Arabidopsis</i> . Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 25395-25397.	7.1	44
28	How plants coordinate their development in response to light and temperature signals. Plant Cell, 2022, 34, 955-966.	6.6	37
29	Three CNGC Family Members, CNGC5, CNGC6, and CNGC9, Are Required for Constitutive Growth of Arabidopsis Root Hairs as Ca <sup>2+</sup> -Permeable Channels. Plant Communications, 2020, 1, 100001.	7.7	34
30	COR27 and COR28 Are Novel Regulators of the <i>COP1</i> - <i>HY5</i> Regulatory Hub and Photomorphogenesis in Arabidopsis. Plant Cell, 2020, 32, 3139-3154.	6.6	33
31	Flowering responses to light and temperature. Science China Life Sciences, 2016, 59, 403-408.	4.9	32
32	<i>BES1</i> -regulated <i>BEE1</i> controls photoperiodic flowering downstream of blue light signaling pathway in <i>Arabidopsis</i> . New Phytologist, 2019, 223, 1407-1419.	7.3	32
33	Coordinated Shoot and Root Responses to Light Signaling in Arabidopsis. Plant Communications, 2020, 1, 100026.	7.7	32
34	Spliceosome disassembly factors ILP1 and NTR1 promote miRNA biogenesis in Arabidopsis thaliana. Nucleic Acids Research, 2019, 47, 7886-7900.	14.5	31
35	A photo-responsive F-box protein <i>FOF2</i> regulates floral initiation by promoting <i>FLC</i> expression in Arabidopsis. Plant Journal, 2017, 91, 788-801.	5.7	20
36	<i>Tasselseed5</i> encodes a cytochrome C oxidase that functions in sex determination by affecting jasmonate catabolism in maize. Journal of Integrative Plant Biology, 2020, 62, 247-255.	8.5	20

#	ARTICLE	IF	CITATIONS
37	Photobiology: Light signal transduction and photomorphogenesis. Journal of Integrative Plant Biology, 2020, 62, 1267-1269.	8.5	20
38	Light-Response Bric-A-Brack/Tramtrack/Broad proteins mediate cryptochrome 2 degradation in response to low ambient temperature. Plant Cell, 2021, 33, 3610-3620.	6.6	14
39	Origin and adaptive evolution of UV RESISTANCE LOCUS 8-mediated signaling during plant terrestrialization. Plant Physiology, 2022, 188, 332-346.	4.8	14
40	Express Arabidopsis Cryptochrome in Sf9 Insect Cells Using the. Methods in Molecular Biology, 2021, 2297, 155-160.	0.9	1
41	Semi-In-Vivo Pull-Down Assay for Blue Light-Dependent Protein Interactions. Methods in Molecular Biology, 2021, 2297, 161-166.	0.9	1