Giltsu Choi

List of Publications by Citations

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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.

36 papers	4,414 citations	27 h-index	38 g-index
38 ext. papers	5,341 ext. citations	10.1 avg, IF	5.42 L-index

#	Paper	IF	Citations
36	Decoding of light signals by plant phytochromes and their interacting proteins. *Annual Review of Plant Biology*, **2008**, 59, 281-311	30.7	339
35	Phytochromes promote seedling light responses by inhibiting four negatively-acting phytochrome-interacting factors. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 7660-5	11.5	329
34	PIL5, a phytochrome-interacting bHLH protein, regulates gibberellin responsiveness by binding directly to the GAI and RGA promoters in Arabidopsis seeds. *Plant Cell*, **2007**, 19, 1192-208	11.6	328
33	PIL5, a phytochrome-interacting basic helix-loop-helix protein, is a key negative regulator of seed germination in Arabidopsis thaliana. *Plant Cell*, **2004**, 16, 3045-58	11.6	324
32	Light activates the degradation of PIL5 protein to promote seed germination through gibberellin in Arabidopsis. *Plant Journal*, **2006**, 47, 124-39	6.9	279
31	Genome-wide analysis of genes targeted by PHYTOCHROME INTERACTING FACTOR 3-LIKE5 during seed germination in Arabidopsis. *Plant Cell*, **2009**, 21, 403-19	11.6	278
30	PIF3 regulates anthocyanin biosynthesis in an HY5-dependent manner with both factors directly binding anthocyanin biosynthetic gene promoters in Arabidopsis. *Plant Journal*, **2007**, 49, 981-94	6.9	263
29	Functional characterization of phytochrome interacting factor 3 in phytochrome-mediated light signal transduction. *Plant Cell*, **2003**, 15, 2399-407	11.6	250
28	Phytochrome-interacting transcription factors PIF4 and PIF5 induce leaf senescence in Arabidopsis. *Nature Communications*, **2014**, 5, 4636	17.4	243
27	Interaction of light and hormone signals in germinating seeds. *Plant Molecular Biology*, **2009**, 69, 463-72	4.6	232
26	SOMNUS, a CCCH-type zinc finger protein in Arabidopsis, negatively regulates light-dependent seed germination downstream of PIL5. *Plant Cell*, **2008**, 20, 1260-77	11.6	210
25	Degradation of phytochrome interacting factor 3 in phytochrome-mediated light signaling. *Plant and Cell Physiology*, **2004**, 45, 968-75	4.9	174
24	ABA-insensitive3, ABA-insensitive5, and DELLAs Interact to activate the expression of SOMNUS and other high-temperature-inducible genes in imbibed seeds in Arabidopsis. *Plant Cell*, **2013**, 25, 4863-78	11.6	130
23	Phytochrome B inhibits binding of phytochrome-interacting factors to their target promoters. *Plant Journal*, **2012**, 72, 537-46	6.9	118
22	Interactions between HLH and bHLH factors modulate light-regulated plant development. *Molecular Plant*, **2012**, 5, 688-97	14.4	107
21	Two ginseng UDP-glycosyltransferases synthesize ginsenoside Rg3 and Rd. *Plant and Cell Physiology*, **2014**, 55, 2177-88	4.9	103
20	DELLA proteins and their interacting RING Finger proteins repress gibberellin responses by binding to the promoters of a subset of gibberellin-responsive genes in Arabidopsis. *Plant Cell*, **2013**, 25, 927-43	11.6	97

19	ABI3 and PIL5 collaboratively activate the expression of SOMNUS by directly binding to its promoter in imbibed Arabidopsis seeds. *Plant Cell*, **2011**, 23, 1404-15	11.6	93
18	Phytochromes inhibit hypocotyl negative gravitropism by regulating the development of endodermal amyloplasts through phytochrome-interacting factors. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 1729-34	11.5	65
17	Phytochrome-interacting factor from Arabidopsis to liverwort. *Current Opinion in Plant Biology*, **2017**, 35, 54-60	9.9	58
16	Phytochrome-interacting factors have both shared and distinct biological roles. *Molecules and Cells*, **2013**, 35, 371-80	3.5	57
15	Phytochrome B Requires PIF Degradation and Sequestration to Induce Light Responses across a Wide Range of Light Conditions. *Plant Cell*, **2018**, 30, 1277-1292	11.6	48
14	PIF1-Interacting Transcription Factors and Their Binding Sequence Elements Determine the in Vivo Targeting Sites of PIF1. *Plant Cell*, **2016**, 28, 1388-405	11.6	44
13	Triterpenoid-biosynthetic UDP-glycosyltransferases from plants. *Biotechnology Advances*, **2019**, 37, 1073948	17.8	43
12	PHYTOCHROME INTERACTING FACTOR8 Inhibits Phytochrome A-Mediated Far-Red Light Responses in Arabidopsis. *Plant Cell*, **2020**, 32, 186-205	11.6	35
11	Epidermal Phytochrome B Inhibits Hypocotyl Negative Gravitropism Non-Cell-Autonomously. *Plant Cell*, **2016**, 28, 2770-2785	11.6	34
10	The epidermis coordinates thermoresponsive growth through the phyB-PIF4-auxin pathway. *Nature Communications*, **2020**, 11, 1053	17.4	29
9	The Transcriptional Coregulator LEUNIG_HOMOLOG Inhibits Light-Dependent Seed Germination in Arabidopsis. *Plant Cell*, **2015**, 27, 2301-13	11.6	21
8	PIF1 Regulates Plastid Development by Repressing Photosynthetic Genes in the Endodermis. *Molecular Plant*, **2016**, 9, 1415-1427	14.4	17
7	A histone methyltransferase inhibits seed germination by increasing PIF1 mRNA expression in imbibed seeds. *Plant Journal*, **2014**, 78, 282-93	6.9	16
6	Phytochrome and Ethylene Signaling Integration in Arabidopsis Occurs via the Transcriptional Regulation of Genes Co-targeted by PIFs and EIN3. *Frontiers in Plant Science*, **2016**, 7, 1055	6.2	16
5	The Arabidopsis RING Domain Protein BOI Inhibits Flowering via CO-dependent and CO-independent Mechanisms. *Molecular Plant*, **2015**, 8, 1725-36	14.4	14
4	High Ambient Temperature Accelerates Leaf Senescence via PHYTOCHROME-INTERACTING FACTOR 4 and 5 in. *Molecules and Cells*, **2020**, 43, 645-661	3.5	10
3	Phytochrome Regulation of Seed Germination. *Methods in Molecular Biology*, **2019**, 2026, 149-156	1.4	5
2	Identification of three groups of ginsenoside biosynthetic UDP-glycosyltransferases from Gynostemma pentaphyllum. *Plant Science*, **2021**, 313, 111069	5.3	4

1	EARLY STARVATION 1 Is a Functionally Conserved Protein Promoting Gravitropic Responses in Plants by Forming Starch Granules. *Frontiers in Plant Science*, **2021**, 12, 628948	6.2	1