

Giltsu Choi

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.

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	EARLY STARVATION 1 Is a Functionally Conserved Protein Promoting Gravitropic Responses in Plants by Forming Starch Granules. <i>Frontiers in Plant Science</i> , 2021 , 12, 628948	6.2	1
35	Identification of three groups of ginsenoside biosynthetic UDP-glycosyltransferases from <i>Gynostemma pentaphyllum</i> . <i>Plant Science</i> , 2021 , 313, 111069	5.3	4
34	The epidermis coordinates thermoresponsive growth through the phyB-PIF4-auxin pathway. <i>Nature Communications</i> , 2020 , 11, 1053	17.4	29
33	High Ambient Temperature Accelerates Leaf Senescence via PHYTOCHROME-INTERACTING FACTOR 4 and 5 in. <i>Molecules and Cells</i> , 2020 , 43, 645-661	3.5	10
32	PHYTOCHROME INTERACTING FACTOR8 Inhibits Phytochrome A-Mediated Far-Red Light Responses in Arabidopsis. <i>Plant Cell</i> , 2020 , 32, 186-205	11.6	35
31	Triterpenoid-biosynthetic UDP-glycosyltransferases from plants. <i>Biotechnology Advances</i> , 2019 , 37, 1073948	3.7	43
30	Phytochrome Regulation of Seed Germination. <i>Methods in Molecular Biology</i> , 2019 , 2026, 149-156	1.4	5
29	Phytochrome B Requires PIF Degradation and Sequestration to Induce Light Responses across a Wide Range of Light Conditions. <i>Plant Cell</i> , 2018 , 30, 1277-1292	11.6	48
28	Phytochrome-interacting factor from Arabidopsis to liverwort. <i>Current Opinion in Plant Biology</i> , 2017 , 35, 54-60	9.9	58
27	PIF1 Regulates Plastid Development by Repressing Photosynthetic Genes in the Endodermis. <i>Molecular Plant</i> , 2016 , 9, 1415-1427	14.4	17
26	PIF1-Interacting Transcription Factors and Their Binding Sequence Elements Determine the in Vivo Targeting Sites of PIF1. <i>Plant Cell</i> , 2016 , 28, 1388-405	11.6	44
25	Phytochrome and Ethylene Signaling Integration in Arabidopsis Occurs via the Transcriptional Regulation of Genes Co-targeted by PIFs and EIN3. <i>Frontiers in Plant Science</i> , 2016 , 7, 1055	6.2	16
24	Epidermal Phytochrome B Inhibits Hypocotyl Negative Gravitropism Non-Cell-Autonomously. <i>Plant Cell</i> , 2016 , 28, 2770-2785	11.6	34
23	The Transcriptional Coregulator LEUNIG_HOMOLOG Inhibits Light-Dependent Seed Germination in Arabidopsis. <i>Plant Cell</i> , 2015 , 27, 2301-13	11.6	21
22	The Arabidopsis RING Domain Protein BOI Inhibits Flowering via CO-dependent and CO-independent Mechanisms. <i>Molecular Plant</i> , 2015 , 8, 1725-36	14.4	14
21	Two ginseng UDP-glycosyltransferases synthesize ginsenoside Rg3 and Rd. <i>Plant and Cell Physiology</i> , 2014 , 55, 2177-88	4.9	103
20	Phytochrome-interacting transcription factors PIF4 and PIF5 induce leaf senescence in Arabidopsis. <i>Nature Communications</i> , 2014 , 5, 4636	17.4	243

19	A histone methyltransferase inhibits seed germination by increasing PIF1 mRNA expression in imbibed seeds. <i>Plant Journal</i> , 2014 , 78, 282-93	6.9	16
18	Phytochrome-interacting factors have both shared and distinct biological roles. <i>Molecules and Cells</i> , 2013 , 35, 371-80	3.5	57
17	ABA-insensitive3, ABA-insensitive5, and DELLAs Interact to activate the expression of SOMNUS and other high-temperature-inducible genes in imbibed seeds in Arabidopsis. <i>Plant Cell</i> , 2013 , 25, 4863-78	11.6	130
16	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. <i>Plant Cell</i> , 2013 , 25, 927-43	11.6	97
15	Interactions between HLH and bHLH factors modulate light-regulated plant development. <i>Molecular Plant</i> , 2012 , 5, 688-97	14.4	107
14	Phytochrome B inhibits binding of phytochrome-interacting factors to their target promoters. <i>Plant Journal</i> , 2012 , 72, 537-46	6.9	118
13	ABI3 and PIL5 collaboratively activate the expression of SOMNUS by directly binding to its promoter in imbibed Arabidopsis seeds. <i>Plant Cell</i> , 2011 , 23, 1404-15	11.6	93
12	Phytochromes inhibit hypocotyl negative gravitropism by regulating the development of endodermal amyloplasts through phytochrome-interacting factors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 1729-34	11.5	65
11	Phytochromes promote seedling light responses by inhibiting four negatively-acting phytochrome-interacting factors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 7660-5	11.5	329
10	Genome-wide analysis of genes targeted by PHYTOCHROME INTERACTING FACTOR 3-LIKE5 during seed germination in Arabidopsis. <i>Plant Cell</i> , 2009 , 21, 403-19	11.6	278
9	Interaction of light and hormone signals in germinating seeds. <i>Plant Molecular Biology</i> , 2009 , 69, 463-72	4.6	232
8	Decoding of light signals by plant phytochromes and their interacting proteins. <i>Annual Review of Plant Biology</i> , 2008 , 59, 281-311	30.7	339
7	SOMNUS, a CCCH-type zinc finger protein in Arabidopsis, negatively regulates light-dependent seed germination downstream of PIL5. <i>Plant Cell</i> , 2008 , 20, 1260-77	11.6	210
6	PIF3 regulates anthocyanin biosynthesis in an HY5-dependent manner with both factors directly binding anthocyanin biosynthetic gene promoters in Arabidopsis. <i>Plant Journal</i> , 2007 , 49, 981-94	6.9	263
5	PIL5, a phytochrome-interacting bHLH protein, regulates gibberellin responsiveness by binding directly to the GAI and RGA promoters in Arabidopsis seeds. <i>Plant Cell</i> , 2007 , 19, 1192-208	11.6	328
4	Light activates the degradation of PIL5 protein to promote seed germination through gibberellin in Arabidopsis. <i>Plant Journal</i> , 2006 , 47, 124-39	6.9	279
3	Degradation of phytochrome interacting factor 3 in phytochrome-mediated light signaling. <i>Plant and Cell Physiology</i> , 2004 , 45, 968-75	4.9	174
2	PIL5, a phytochrome-interacting basic helix-loop-helix protein, is a key negative regulator of seed germination in Arabidopsis thaliana. <i>Plant Cell</i> , 2004 , 16, 3045-58	11.6	324

- 1 Functional characterization of phytochrome interacting factor 3 in phytochrome-mediated light signal transduction. *Plant Cell*, **2003**, 15, 2399-407

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