Giltsu Choi

List of Publications by Year in descending order

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37 papers	5,894 citations	186209 28 h-index	315616 38 g-index
38 all docs	38 docs citations	38 times ranked	4757 citing authors

#	Article	IF	Citations
1	Decoding of Light Signals by Plant Phytochromes and Their Interacting Proteins. Annual Review of Plant Biology, 2008, 59, 281-311.	8.6	412
2	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, 7660-7665.	3.3	412
3	PIL5, a Phytochrome-Interacting Basic Helix-Loop-Helix Protein, Is a Key Negative Regulator of Seed Germination in Arabidopsis thaliana Â[W]. Plant Cell, 2004, 16, 3045-3058.	3.1	409
4	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, 1192-1208.	3.1	405
5	Phytochrome-interacting transcription factors PIF4 and PIF5 induce leaf senescence in Arabidopsis. Nature Communications, 2014, 5, 4636.	5.8	375
6	PIF3 regulates anthocyanin biosynthesis in an HY5-dependent manner with both factors directly binding anthocyanin biosynthetic gene promoters in Arabidopsis. Plant Journal, 2007, 49, 981-994.	2.8	354
7	Light activates the degradation of PIL5 protein to promote seed germination through gibberellin in Arabidopsis. Plant Journal, 2006, 47, 124-139.	2.8	346
8	Genome-Wide Analysis of Genes Targeted by PHYTOCHROME INTERACTING FACTOR 3-LIKE5 during Seed Germination in Arabidopsis Â. Plant Cell, 2009, 21, 403-419.	3.1	336
9	Interaction of light and hormone signals in germinating seeds. Plant Molecular Biology, 2009, 69, 463-472.	2.0	290
10	SOMNUS, a CCCH-Type Zinc Finger Protein inArabidopsis, Negatively Regulates Light-Dependent Seed Germination Downstream of PIL5. Plant Cell, 2008, 20, 1260-1277.	3.1	282
11	Functional Characterization of Phytochrome Interacting Factor 3 in Phytochrome-Mediated Light Signal Transduction. Plant Cell, 2003, 15, 2399-2407.	3.1	280
12	Degradation of Phytochrome Interacting Factor 3 in Phytochrome-Mediated Light Signaling. Plant and Cell Physiology, 2004, 45, 968-975.	1.5	193
13	ABA-INSENSITIVE3, ABA-INSENSITIVE5, and DELLAs Interact to Activate the Expression of SOMNUS and Other High-Temperature-Inducible Genes in Imbibed Seeds in Arabidopsis Â. Plant Cell, 2014, 25, 4863-4878.	3.1	191
14	Phytochrome B inhibits binding of phytochromeâ€interacting factors to their target promoters. Plant Journal, 2012, 72, 537-546.	2.8	151
15	Interactions between HLH and bHLH Factors Modulate Light-Regulated Plant Development. Molecular Plant, 2012, 5, 688-697.	3.9	146
16	Two Ginseng UDP-Glycosyltransferases Synthesize Ginsenoside Rg3 and Rd. Plant and Cell Physiology, 2014, 55, 2177-2188.	1.5	146
17	DELLA Proteins and Their Interacting RING Finger Proteins Repress Gibberellin Responses by Binding to the Promoters of a Subset of Gibberellin-Responsive Genes inArabidopsisÂ Â. Plant Cell, 2013, 25, 927-943.	3.1	145
18	ABI3 and PIL5 Collaboratively Activate the Expression ofSOMNUSby Directly Binding to Its Promoter in ImbibedArabidopsisSeeds. Plant Cell, 2011, 23, 1404-1415.	3.1	126

#	Article	IF	Citations
19	Triterpenoid-biosynthetic UDP-glycosyltransferases from plants. Biotechnology Advances, 2019, 37, 107394.	6.0	114
20	Phytochrome-interacting factor from Arabidopsis to liverwort. Current Opinion in Plant Biology, 2017, 35, 54-60.	3.5	104
21	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, 1729-1734.	3.3	88
22	Phytochrome B Requires PIF Degradation and Sequestration to Induce Light Responses across a Wide Range of Light Conditions. Plant Cell, 2018, 30, 1277-1292.	3.1	81
23	Phytochrome-Interacting Factors Have Both Shared and Distinct Biological Roles. Molecules and Cells, 2013, 35, 371-380.	1.0	74
24	The epidermis coordinates thermoresponsive growth through the phyB-PIF4-auxin pathway. Nature Communications, 2020, 11, 1053.	5.8	72
25	PHYTOCHROME INTERACTING FACTOR8 Inhibits Phytochrome A-Mediated Far-Red Light Responses in Arabidopsis. Plant Cell, 2020, 32, 186-205.	3.1	69
26	PIF1-Interacting Transcription Factors and Their Binding Sequence Elements Determine the in Vivo Targeting Sites of PIF1. Plant Cell, 2016, 28, 1388-1405.	3.1	68
27	Epidermal Phytochrome B Inhibits Hypocotyl Negative Gravitropism Non-Cell-Autonomously. Plant Cell, 2016, 28, 2770-2785.	3.1	39
28	The Transcriptional Coregulator LEUNIG_HOMOLOG Inhibits Light-Dependent Seed Germination in Arabidopsis. Plant Cell, 2015, 27, 2301-2313.	3.1	32
29	PIF1 Regulates Plastid Development by Repressing Photosynthetic Genes in the Endodermis. Molecular Plant, 2016, 9, 1415-1427.	3.9	27
30	A histone methyltransferase inhibits seed germination by increasing PIF1Â<scp>mRNA</scp> expression in imbibed seeds. Plant Journal, 2014, 78, 282-293.	2.8	25
31	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.	1.7	25
32	The Arabidopsis RING Domain Protein BOI Inhibits Flowering via CO-dependent and CO-independent Mechanisms. Molecular Plant, 2015, 8, 1725-1736.	3.9	23
33	High Ambient Temperature Accelerates Leaf Senescence via PHYTOCHROME-INTERACTING FACTOR 4 and 5 in. Molecules and Cells, 2020, 43, 645-661.	1.0	22
34	Identification of three groups of ginsenoside biosynthetic UDP-glycosyltransferases from Gynostemma pentaphyllum. Plant Science, 2021, 313, 111069.	1.7	12
35	EARLY STARVATION 1 Is a Functionally Conserved Protein Promoting Gravitropic Responses in Plants by Forming Starch Granules. Frontiers in Plant Science, 2021, 12, 628948.	1.7	8
36	Phytochrome Regulation of Seed Germination. Methods in Molecular Biology, 2019, 2026, 149-156.	0.4	6

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37	<scp>ABI3</scp> â€•and <scp>PIF1</scp> â€‐mediated regulation of <scp> GIG1 </scp> enhances seed germination by detoxification of methylglyoxal in Arabidopsis. Plant Journal, 2022, , .	2.8	4