

# Giltsu Choi

## List of Publications by Year in descending order

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37  
papers

5,894  
citations

186265  
28  
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315739  
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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.	18.7	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.	7.1	412
3	PIL5, a Phytochrome-Interacting Basic Helix-Loop-Helix Protein, Is a Key Negative Regulator of Seed Germination in <i>Arabidopsis thaliana</i> [W]. Plant Cell, 2004, 16, 3045-3058.	6.6	409
4	PIL5, a Phytochrome-Interacting bHLH Protein, Regulates Gibberellin Responsiveness by Binding Directly to the GAI and RGA Promoters in <i>Arabidopsis</i> Seeds. Plant Cell, 2007, 19, 1192-1208.	6.6	405
5	Phytochrome-interacting transcription factors PIF4 and PIF5 induce leaf senescence in <i>Arabidopsis</i> . Nature Communications, 2014, 5, 4636.	12.8	375
6	PIF3 regulates anthocyanin biosynthesis in an HY5-dependent manner with both factors directly binding anthocyanin biosynthetic gene promoters in <i>Arabidopsis</i> . Plant Journal, 2007, 49, 981-994.	5.7	354
7	Light activates the degradation of PIL5 protein to promote seed germination through gibberellin in <i>Arabidopsis</i> . Plant Journal, 2006, 47, 124-139.	5.7	346
8	Genome-Wide Analysis of Genes Targeted by PHYTOCHROME INTERACTING FACTOR 3-LIKE5 during Seed Germination in <i>Arabidopsis</i> . Plant Cell, 2009, 21, 403-419.	6.6	336
9	Interaction of light and hormone signals in germinating seeds. Plant Molecular Biology, 2009, 69, 463-472.	3.9	290
10	SOMNUS, a CCCH-Type Zinc Finger Protein in <i>Arabidopsis</i> , Negatively Regulates Light-Dependent Seed Germination Downstream of PIL5. Plant Cell, 2008, 20, 1260-1277.	6.6	282
11	Functional Characterization of Phytochrome Interacting Factor 3 in Phytochrome-Mediated Light Signal Transduction. Plant Cell, 2003, 15, 2399-2407.	6.6	280
12	Degradation of Phytochrome Interacting Factor 3 in Phytochrome-Mediated Light Signaling. Plant and Cell Physiology, 2004, 45, 968-975.	3.1	193
13	ABA-INSENSITIVE3, ABA-INSENSITIVE5, and DELLAs Interact to Activate the Expression of <i>SOMNUS</i> and Other High-Temperature-Inducible Genes in Imbibed Seeds in <i>Arabidopsis</i> . Plant Cell, 2014, 25, 4863-4878.	6.6	191
14	Phytochrome B inhibits binding of phytochrome-interacting factors to their target promoters. Plant Journal, 2012, 72, 537-546.	5.7	151
15	Interactions between HLH and bHLH Factors Modulate Light-Regulated Plant Development. Molecular Plant, 2012, 5, 688-697.	8.3	146
16	Two Ginseng UDP-Glycosyltransferases Synthesize Ginsenoside Rg3 and Rd. Plant and Cell Physiology, 2014, 55, 2177-2188.	3.1	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 in <i>Arabidopsis</i> . Plant Cell, 2013, 25, 927-943.	6.6	145
18	ABI3 and PIL5 Collaboratively Activate the Expression of <i>SOMNUS</i> by Directly Binding to Its Promoter in Imbibed <i>Arabidopsis</i> Seeds. Plant Cell, 2011, 23, 1404-1415.	6.6	126

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19	Triterpenoid-biosynthetic UDP-glycosyltransferases from plants. <i>Biotechnology Advances</i> , 2019, 37, 107394.	11.7	114
20	Phytochrome-interacting factor from Arabidopsis to liverwort. <i>Current Opinion in Plant Biology</i> , 2017, 35, 54-60.	7.1	104
21	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, 1729-1734.	7.1	88
22	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.	6.6	81
23	Phytochrome-Interacting Factors Have Both Shared and Distinct Biological Roles. <i>Molecules and Cells</i> , 2013, 35, 371-380.	2.6	74
24	The epidermis coordinates thermoresponsive growth through the phyB-PIF4-auxin pathway. <i>Nature Communications</i> , 2020, 11, 1053.	12.8	72
25	PHYTOCHROME INTERACTING FACTOR8 Inhibits Phytochrome A-Mediated Far-Red Light Responses in Arabidopsis. <i>Plant Cell</i> , 2020, 32, 186-205.	6.6	69
26	PIF1-Interacting Transcription Factors and Their Binding Sequence Elements Determine the in Vivo Targeting Sites of PIF1. <i>Plant Cell</i> , 2016, 28, 1388-1405.	6.6	68
27	Epidermal Phytochrome B Inhibits Hypocotyl Negative Gravitropism Non-Cell-Autonomously. <i>Plant Cell</i> , 2016, 28, 2770-2785.	6.6	39
28	The Transcriptional Coregulator LEUNIG_HOMOLOG Inhibits Light-Dependent Seed Germination in Arabidopsis. <i>Plant Cell</i> , 2015, 27, 2301-2313.	6.6	32
29	PIF1 Regulates Plastid Development by Repressing Photosynthetic Genes in the Endodermis. <i>Molecular Plant</i> , 2016, 9, 1415-1427.	8.3	27
30	A histone methyltransferase inhibits seed germination by increasing <i>PIF1</i> mRNA expression in imbibed seeds. <i>Plant Journal</i> , 2014, 78, 282-293.	5.7	25
31	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.	3.6	25
32	The Arabidopsis RING Domain Protein BOI Inhibits Flowering via CO-dependent and CO-independent Mechanisms. <i>Molecular Plant</i> , 2015, 8, 1725-1736.	8.3	23
33	High Ambient Temperature Accelerates Leaf Senescence via PHYTOCHROME-INTERACTING FACTOR 4 and 5 in. <i>Molecules and Cells</i> , 2020, 43, 645-661.	2.6	22
34	Identification of three groups of ginsenoside biosynthetic UDP-glycosyltransferases from <i>Gynostemma pentaphyllum</i> . <i>Plant Science</i> , 2021, 313, 111069.	3.6	12
35	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.	3.6	8
36	Phytochrome Regulation of Seed Germination. <i>Methods in Molecular Biology</i> , 2019, 2026, 149-156.	0.9	6

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37	<i>ABI3</i> and <i>PIF1</i> -mediated regulation of <i>GIG1</i> enhances seed germination by detoxification of methylglyoxal in Arabidopsis. <i>Plant Journal</i> , 2022, , .	5.7	4