

# Inyup Paik

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

1,856  
citations

516710

16  
h-index

610901

24  
g-index

29  
all docs

29  
docs citations

29  
times ranked

2085  
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 1192-1208.	6.6	405
2	Illuminating Progress in Phytochrome-Mediated Light Signaling Pathways. <i>Trends in Plant Science</i> , 2015, 20, 641-650.	8.8	179
3	Expanding Roles of PIFs in Signal Integration from Multiple Processes. <i>Molecular Plant</i> , 2017, 10, 1035-1046.	8.3	172
4	Plant photoreceptors: Multi-functional sensory proteins and their signaling networks. <i>Seminars in Cell and Developmental Biology</i> , 2019, 92, 114-121.	5.0	166
5	Phytochrome Signaling Networks. <i>Annual Review of Plant Biology</i> , 2021, 72, 217-244.	18.7	130
6	CUL4 forms an E3 ligase with COP1 and SPA to promote light-induced degradation of PIF1. <i>Nature Communications</i> , 2015, 6, 7245.	12.8	97
7	High Ambient Temperature Represses Anthocyanin Biosynthesis through Degradation of HY5. <i>Frontiers in Plant Science</i> , 2017, 8, 1787.	3.6	90
8	A phyB-PIF1-SPA1 kinase regulatory complex promotes photomorphogenesis in Arabidopsis. <i>Nature Communications</i> , 2019, 10, 4216.	12.8	80
9	PHYTOCHROME INTERACTING FACTOR1 Enhances the E3 Ligase Activity of CONSTITUTIVE PHOTOMORPHOGENIC1 to Synergistically Repress Photomorphogenesis in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2014, 26, 1992-2006.	6.6	78
10	Phytochrome regulates translation of mRNA in the cytosol. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 1335-1340.	7.1	75
11	<scp>PHYTOCHROME INTERACTING FACTORS</scp> mediate metabolic control of the circadian system in Arabidopsis. <i>New Phytologist</i> , 2017, 215, 217-228.	7.3	63
12	Characterization of Phytochrome Interacting Factors from the Moss <i>Physcomitrella patens</i> Illustrates Conservation of Phytochrome Signaling Modules in Land Plants. <i>Plant Cell</i> , 2017, 29, 310-330.	6.6	61
13	Trehaloseâ€€phosphate signaling regulates thermoresponsive hypocotyl growth in <i>Arabidopsis thaliana</i> . <i>EMBO Reports</i> , 2019, 20, e47828.	4.5	43
14	PCH1 and PCHL promote photomorphogenesis in plants by controlling phytochrome B dark reversion. <i>Nature Communications</i> , 2017, 8, 2221.	12.8	41
15	Direct phosphorylation of HY5 by SPA kinases to regulate photomorphogenesis in Arabidopsis. <i>New Phytologist</i> , 2021, 230, 2311-2326.	7.3	35
16	SPAs promote thermomorphogenesis via regulating the phyB-PIF4 module in <i>Arabidopsis</i> . <i>Development (Cambridge)</i> , 2020, 147, .	2.5	33
17	One-Enzyme Reverse Transcription qPCR Using Taq DNA Polymerase. <i>Biochemistry</i> , 2020, 59, 4638-4645.	2.5	20
18	Improved Bst DNA Polymerase Variants Derived <i>via</i> a Machine Learning Approach. <i>Biochemistry</i> , 2023, 62, 410-418.	2.5	20

#	ARTICLE	IF	CITATIONS
19	Charge Engineering Improves the Performance of Bst DNA Polymerase Fusions. ACS Synthetic Biology, 2022, 11, 1488-1496.	3.8	14
20	PIF-mediated sucrose regulation of the circadian oscillator is light quality and temperature dependent. Genes, 2018, 9, 628.	2.4	11
21	Genomic evidence reveals SPA-regulated developmental and metabolic pathways in dark-grown Arabidopsis seedlings. Physiologia Plantarum, 2020, 169, 380-396.	5.2	9
22	Producing molecular biology reagents without purification. PLoS ONE, 2021, 16, e0252507.	2.5	9
23	Preparation and Use of Cellular Reagents: A Low-resource Molecular Biology Reagent Platform. Current Protocols, 2022, 2, e387.	2.9	4
24	Rapid Examination of Phytochrome-Phytochrome Interacting Factor (PIF) Interaction by In Vitro Coimmunoprecipitation Assay. Methods in Molecular Biology, 2019, 2026, 21-28.	0.9	3