Enamul Huq

List of Publications by Year
in descending order

78 papers	10,039 citations	81434 41 h-index	84171 75 g-index
86 all docs	86 docs citations	86 times ranked	8515 citing authors

#	Article	IF	Citations
1	<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
2	Signals | Light Signaling in Plants. , 2021, , 78-89.		4
3	Direct phosphorylation of HY5 by SPA kinases to regulate photomorphogenesis in Arabidopsis. New Phytologist, 2021, 230, 2311-2326.	3.5	35
4	Spatial regulation of thermomorphogenesis by HY5 and PIF4 in Arabidopsis. Nature Communications, 2021, 12, 3656.	5.8	50
5	Phytochrome Signaling Networks. Annual Review of Plant Biology, 2021, 72, 217-244.	8.6	130
6	An autoregulatory negative feedback loop controls thermomorphogenesis in Arabidopsis. PLoS Genetics, 2021, 17, e1009595.	1.5	17
7	Phytochrome B triggers light-dependent chromatin remodelling through the PRC2-associated PHD finger protein VIL1. Nature Plants, 2021, 7, 1213-1219.	4.7	19
8	Light-regulated pre-mRNA splicing in plants. Current Opinion in Plant Biology, 2021, 63, 102037.	3.5	16
9	SPAs promote thermomorphogenesis via regulating the phyB-PIF4 module in Arabidopsis. Development (Cambridge), 2020, 147, .	1.2	33
10	A COP1â€PIFâ€HEC regulatory module fineâ€tunes photomorphogenesis in Arabidopsis. Plant Journal, 2020, 104, 113-123.	2.8	18
11	PCH1 and PCHL Directly Interact with PIF1, Promote Its Degradation, and Inhibit Its Transcriptional Function during Photomorphogenesis. Molecular Plant, 2020, 13, 499-514.	3.9	15
12	Genomic evidence reveals <scp>SPA</scp>â€regulated developmental and metabolic pathways in darkâ€grown <scp>Arabidopsis</scp> seedlings. Physiologia Plantarum, 2020, 169, 380-396.	2.6	9
13	Rapid Examination of Phytochromeâ€“Phytochrome Interacting Factor (PIF) Interaction by In Vitro Coimmunoprecipitation Assay. Methods in Molecular Biology, 2019, 2026, 21-28.	0.4	3
14	Characterization of Light-Regulated Proteinâ€“Protein Interactions by In Vivo Coimmunoprecipitation (Co-IP) Assays in Plants. Methods in Molecular Biology, 2019, 2026, 29-39.	0.4	7
15	Coordinated Regulation of Pre-mRNA Splicing by the SFPS-RRC1 Complex to Promote Photomorphogenesis. Plant Cell, 2019, 31, 2052-2069.	3.1	38
16	A phyB-PIF1-SPA1 kinase regulatory complex promotes photomorphogenesis in Arabidopsis. Nature Communications, 2019, 10, 4216.	5.8	80
17	Plant photoreceptors: Multi-functional sensory proteins and their signaling networks. Seminars in Cell and Developmental Biology, 2019, 92, 114-121.	2.3	166
18	Direct Convergence of Light and Auxin Signaling Pathways in Arabidopsis. Molecular Plant, 2018, 11, 515-517.	3.9	9

#	Article	IF	Citations
19	KELCH F-BOX protein positively influences Arabidopsis seed germination by targeting PHYTOCHROME-INTERACTING FACTOR1. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E4120-E4129.	3.3	53
20	Phytochromes and Phytochrome Interacting Factors. Plant Physiology, 2018, 176, 1025-1038.	2.3	334
21	PIF-mediated sucrose regulation of the circadian oscillator is light quality and temperature dependent. Genes, 2018, 9, 628.	1.0	11
22	Molecular bases for the constitutive photomorphogenic phenotypes in Arabidopsis. Development (Cambridge), 2018, 145, .	1.2	51
23	COP1 SUPPRESSOR 4 promotes seedling photomorphogenesis by repressing CCA1 and PIF4 expression in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11631-11636.	3.3	12
24	Diurnal down-regulation of ethylene biosynthesis mediates biomass heterosis. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5606-5611.	3.3	49
25	Dynamic regulation of <scp>PIF</scp>5 by <scp>COP</scp>1â€“<scp>SPA</scp> complex to optimize photomorphogenesis in Arabidopsis. Plant Journal, 2018, 96, 260-273.	2.8	35
26	Characterization of Phytochrome Interacting Factors from the Moss Physcomitrella patens Illustrates Conservation of Phytochrome Signaling Modules in Land Plants. Plant Cell, 2017, 29, 310-330.	3.1	61
27	Reciprocal proteasome-mediated degradation of PIFs and HFR1 underlying photomorphogenic development in Arabidopsis. Development (Cambridge), 2017, 144, 1831-1840.	1.2	43
28	<scp>PHYTOCHROME INTERACTING FACTORS</scp> mediate metabolic control of the circadian system in Arabidopsis. New Phytologist, 2017, 215, 217-228.	3.5	63
29	SPF45-related splicing factor for phytochrome signaling promotes photomorphogenesis by regulating pre-mRNA splicing in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E7018-E7027.	3.3	61
30	Expanding Roles of PIFs in Signal Integration from Multiple Processes. Molecular Plant, 2017, 10, 1035-1046.	3.9	172
31	PCH1 and PCHL promote photomorphogenesis in plants by controlling phytochrome B dark reversion. Nature Communications, 2017, 8, 2221.	5.8	41
32	A Protein-Based Genetic Screening Uncovers Mutants Involved in Phytochrome Signaling in Arabidopsis. Frontiers in Plant Science, 2016, 7, 1086.	1.7	1
33	A Negative Feedback Loop between PHYTOCHROME INTERACTING FACTORs and HECATE Proteins Fine-Tunes Photomorphogenesis in Arabidopsis. Plant Cell, 2016, 28, 855-874.	3.1	42
34	NO FLOWERING IN SHORT DAY (NFL) is a bHLH transcription factor that promotes flowering specifically under short-day in Arabidopsis. Development (Cambridge), 2016, 143, 682-90.	1.2	35
35	CUL4 forms an E3 ligase with COP1 and SPA to promote light-induced degradation of PIF1. Nature Communications, 2015, 6, 7245.	5.8	97
36	Light-Activated Phytochrome A and B Interact with Members of the SPA Family to Promote Photomorphogenesis in Arabidopsis by Reorganizing the COP1/SPA Complex. Plant Cell, 2015, 27, 189-201.	3.1	279

#	Article	IF	Citations
37	Arabidopsis casein kinase 2 Î±4 subunit regulates various developmental pathways in a functionally overlapping manner. Plant Science, 2015, 236, 295-303.	1.7	16
38	Illuminating Progress in Phytochrome-Mediated Light Signaling Pathways. Trends in Plant Science, 2015, 20, 641-650.	4.3	179
39	Suicidal Co-Degradation of the Phytochrome Interacting Factor 3 and Phytochrome B in Response to Light. Molecular Plant, 2014, 7, 1709-1711.	3.9	11
40	Regulation of Drought Tolerance by the F-Box Protein MAX2 in Arabidopsis. Plant Physiology, 2014, 164, 424-439.	2.3	254
41	Expanding roles of protein kinase CK2 in regulating plant growth and development. Journal of Experimental Botany, 2014, 65, 2883-2893.	2.4	92
42	Phytochrome A Antagonizes PHYTOCHROME INTERACTING FACTOR 1 to Prevent Over-Activation of Photomorphogenesis. Molecular Plant, 2014, 7, 1415-1428.	3.9	11
43	PHYTOCHROME INTERACTING FACTOR1 Enhances the E3 Ligase Activity of CONSTITUTIVE PHOTOMORPHOGENIC1 to Synergistically Repress Photomorphogenesis in Arabidopsis Â Â. Plant Cell, 2014, 26, 1992-2006.	3.1	78
44	Does CK2 affect flowering time by modulating the autonomous pathway in Arabidopsis?. Plant Signaling and Behavior, 2012, 7, 292-294.	1.2	18
45	MAX2 Affects Multiple Hormones to Promote Photomorphogenesis. Molecular Plant, 2012, 5, 750-762.	3.9	104
46	Casein kinase II Î± subunits affect multiple developmental and stressâ€responsive pathways in Arabidopsis. Plant Journal, 2012, 69, 343-354.	2.8	50
47	Mapping Functional Domains of Transcription Factors. Methods in Molecular Biology, 2011, 754, 167-184.	0.4	8
48	Dimerization and blue light regulation of PIF1 interacting bHLH proteins in Arabidopsis. Plant Molecular Biology, 2011, 77, 501-511.	2.0	40
49	Multiple kinases promote light-induced degradation of PIF1. Plant Signaling and Behavior, 2011, 6, 1119-1121.	1.2	20
50	SCAR Mediates Light-Induced Root Elongation inArabidopsisthrough Photoreceptors and Proteasomes Â. Plant Cell, 2011, 23, 3610-3626.	3.1	115
51	Phosphorylation by CK2 Enhances the Rapid Light-induced Degradation of Phytochrome Interacting Factor 1 in Arabidopsis. Journal of Biological Chemistry, 2011, 286, 12066-12074.	1.6	84
52	Microhomology-mediated and nonhomologous repair of a double-strand break in the chloroplast genome of Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13954-13959.	3.3	47
53	Direct regulation of phytoene synthase gene expression and carotenoid biosynthesis by phytochrome-interacting factors. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 11626-11631.	3.3	361
54	Blue Light Induces Degradation of the Negative Regulator Phytochrome Interacting Factor 1 to Promote Photomorphogenic Development of Arabidopsis Seedlings. Genetics, 2009, 182, 161-171.	1.2	43

#	Article	IF	Citations
55	Multiple Phytochrome-Interacting bHLH Transcription Factors Repress Premature Seedling Photomorphogenesis in Darkness. Current Biology, 2008, 18, 1815-1823.	1.8	513
56	Light-Induced Phosphorylation and Degradation of the Negative Regulator PHYTOCHROME-INTERACTING FACTOR1 fromArabidopsisDepend upon Its Direct Physical Interactions with Photoactivated Phytochromes. Plant Cell, 2008, 20, 1586-1602.	3.1	250
57	PIF1 directly and indirectly regulates chlorophyll biosynthesis to optimize the greening process in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9433-9438.	3.3	204
58	A New CULLIN 1 Mutant Has Altered Responses to Hormones and Light in Arabidopsis. Plant Physiology, 2007, 143, 684-696.	2.3	74
59	The F-Box Protein MAX2 Functions as a Positive Regulator of Photomorphogenesis in Arabidopsis. Plant Physiology, 2007, 145, 1471-1483.	2.3	196
60	Phytochrome Interacting Factors: central players in phytochrome-mediated light signaling networks. Trends in Plant Science, 2007, 12, 514-521.	4.3	409
61	Degradation of negative regulators: a common theme in hormone and light signaling networks?. Trends in Plant Science, 2006, 11, 4-7.	4.3	57
62	PIF1 is regulated by light-mediated degradation through the ubiquitin-26S proteasome pathway to optimize photomorphogenesis of seedlings in Arabidopsis. Plant Journal, 2005, 44, 1023-1035.	2.8	219
63	Phytochrome Signaling. , 2005, , 151-170.		18
64	A Novel Molecular Recognition Motif Necessary for Targeting Photoactivated Phytochrome Signaling to Specific Basic Helix-Loop-Helix Transcription Factors[W]. Plant Cell, 2004, 16, 3033-3044.	3.1	314
65	PHYTOCHROME-INTERACTING FACTOR 1 Is a Critical bHLH Regulator of Chlorophyll Biosynthesis. Science, 2004, 305, 1937-1941.	6.0	434
66	Nuclear translocation of the photoreceptor phytochrome B is necessary for its biological function in seedling photomorphogenesis. Plant Journal, 2003, 35, 660-664.	2.8	117
67	Update on the Basic Helix-Loop-Helix Transcription Factor Gene Family in Arabidopsis thaliana. Plant Cell, 2003, 15, 2497-2502.	3.1	282
68	The Arabidopsis Basic/Helix-Loop-Helix Transcription Factor Family[W]. Plant Cell, 2003, 15, 1749-1770.	3.1	1,109
69	Cre/lox site-specific recombination controls the excision of a transgene from the rice genome. Theoretical and Applied Genetics, 2002, 104, 518-525.	1.8	98
70	A light-switchable gene promoter system. Nature Biotechnology, 2002, 20, 1041-1044.	9.4	553
71	PIF4, a phytochrome-interacting bHLH factor, functions as a negative regulator of phytochrome B signaling in Arabidopsis. EMBO Journal, 2002, 21, 2441-2450.	3.5	482
72	SRL1: a new locus specific to the phyB-signaling pathway in Arabidopsis. Plant Journal, 2000, 23, 461-470.	2.8	24

#	Article	IF	Citations
73	GIGANTEA is a nuclear protein involved in phytochrome signaling in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 9789-9794.	3.3	325
74	Direct Targeting of Light Signals to a Promoter Element-Bound Transcription Factor. Science, 2000, 288, 859-863.	6.0	629
75	An anaerobically inducible early (aie) gene family from rice. , 1999, 40, 591-601.		21
76	Molecular characterization of pdc2 and mapping of three pdc genes from rice. Theoretical and Applied Genetics, 1999, 98, 815-824.	1.8	10
77	Characterization of pyruvate decarboxylase genes from rice. Plant Molecular Biology, 1996, 31, 761-770.	2.0	42
78	Sequence of a cDNA from Oryza sativa (L.) Encoding the Pyruvate Decarboxylase 1 Gene. Plant Physiology, 1994, 106, 799-800.	2.3	23