Enamul Huq

List of Publications by Citations

80 papers	7,540 citations	37 h-index	86 g-index
86 ext. papers	9,045 ext. citations	10.2 avg, IF	6.19 L-index

#	Paper	IF	Citations
80	The Arabidopsis basic/helix-loop-helix transcription factor family. *Plant Cell*, **2003**, 15, 1749-70	11.6	830
79	Direct targeting of light signals to a promoter element-bound transcription factor. *Science*, **2000**, 288, 859-63	33.3	545
78	A light-switchable gene promoter system. *Nature Biotechnology*, **2002**, 20, 1041-4	44.5	465
77	Multiple phytochrome-interacting bHLH transcription factors repress premature seedling photomorphogenesis in darkness. *Current Biology*, **2008**, 18, 1815-23	6.3	395
76	PIF4, a phytochrome-interacting bHLH factor, functions as a negative regulator of phytochrome B signaling in Arabidopsis. *EMBO Journal*, **2002**, 21, 2441-50	13	385
75	Phytochrome-interacting factor 1 is a critical bHLH regulator of chlorophyll biosynthesis. *Science*, **2004**, 305, 1937-41	33.3	366
74	Phytochrome Interacting Factors: central players in phytochrome-mediated light signaling networks. *Trends in Plant Science*, **2007**, 12, 514-521	13.1	328
73	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, 11626-31	11.5	284
72	A novel molecular recognition motif necessary for targeting photoactivated phytochrome signaling to specific basic helix-loop-helix transcription factors. *Plant Cell*, **2004**, 16, 3033-44	11.6	269
71	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, 9789-94	11.5	265
70	Update on the basic helix-loop-helix transcription factor gene family in Arabidopsis thaliana. *Plant Cell*, **2003**, 15, 2497-502	11.6	212
69	Light-induced phosphorylation and degradation of the negative regulator PHYTOCHROME-INTERACTING FACTOR1 from Arabidopsis depend upon its direct physical interactions with photoactivated phytochromes. *Plant Cell*, **2008**, 20, 1586-602	11.6	208
68	PIF1 is regulated by light-mediated degradation through the ubiquitin-26S proteasome pathway to optimize photomorphogenesis of seedlings in Arabidopsis. *Plant Journal*, **2005**, 44, 1023-35	6.9	198
67	Phytochromes and Phytochrome Interacting Factors. *Plant Physiology*, **2018**, 176, 1025-1038	6.6	192
66	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	11.6	190
65	Regulation of drought tolerance by the F-box protein MAX2 in Arabidopsis. *Plant Physiology*, **2014**, 164, 424-39	6.6	183
64	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, 9433-8	11.5	164

63	The F-box protein MAX2 functions as a positive regulator of photomorphogenesis in Arabidopsis. *Plant Physiology*, **2007**, 145, 1471-83	6.6	158
62	Illuminating Progress in Phytochrome-Mediated Light Signaling Pathways. *Trends in Plant Science*, **2015**, 20, 641-650	13.1	130
61	Expanding Roles of PIFs in Signal Integration from Multiple Processes. *Molecular Plant*, **2017**, 10, 1035-1046	14.1	100
60	Nuclear translocation of the photoreceptor phytochrome B is necessary for its biological function in seedling photomorphogenesis. *Plant Journal*, **2003**, 35, 660-4	6.9	96
59	Cre/ lox site-specific recombination controls the excision of a transgene from the rice genome. *Theoretical and Applied Genetics*, **2002**, 104, 518-525	6	94
58	MAX2 affects multiple hormones to promote photomorphogenesis. *Molecular Plant*, **2012**, 5, 750-62	14.4	89
57	SCAR mediates light-induced root elongation in Arabidopsis through photoreceptors and proteasomes. *Plant Cell*, **2011**, 23, 3610-26	11.6	85
56	Plant photoreceptors: Multi-functional sensory proteins and their signaling networks. *Seminars in Cell and Developmental Biology*, **2019**, 92, 114-121	7.5	77
55	CUL4 forms an E3 ligase with COP1 and SPA to promote light-induced degradation of PIF1. *Nature Communications*, **2015**, 6, 7245	17.4	75
54	Phosphorylation by CK2 enhances the rapid light-induced degradation of phytochrome interacting factor 1 in Arabidopsis. *Journal of Biological Chemistry*, **2011**, 286, 12066-74	5.4	70
53	A new CULLIN 1 mutant has altered responses to hormones and light in Arabidopsis. *Plant Physiology*, **2007**, 143, 684-96	6.6	65
52	PHYTOCHROME INTERACTING FACTOR1 Enhances the E3 Ligase Activity of CONSTITUTIVE PHOTOMORPHOGENIC1 to Synergistically Repress Photomorphogenesis in Arabidopsis. *Plant Cell*, **2014**, 26, 1992-2006	11.6	63
51	Expanding roles of protein kinase CK2 in regulating plant growth and development. *Journal of Experimental Botany*, **2014**, 65, 2883-93	7	57
50	Degradation of negative regulators: a common theme in hormone and light signaling networks?. *Trends in Plant Science*, **2006**, 11, 4-7	13.1	53
49	A phyB-PIF1-SPA1 kinase regulatory complex promotes photomorphogenesis in Arabidopsis. *Nature Communications*, **2019**, 10, 4216	17.4	46
48	PHYTOCHROME INTERACTING FACTORS mediate metabolic control of the circadian system in Arabidopsis. *New Phytologist*, **2017**, 215, 217-228	9.8	44
47	Casein kinase II β subunits affect multiple developmental and stress-responsive pathways in Arabidopsis. *Plant Journal*, **2012**, 69, 343-54	6.9	43
46	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, 13954-9	11.5	42

45	Characterization of Phytochrome Interacting Factors from the Moss Illustrates Conservation of Phytochrome Signaling Modules in Land Plants. *Plant Cell*, **2017**, 29, 310-330	11.6	40
44	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	11.5	39
43	SPF45-related splicing factor for phytochrome signaling promotes photomorphogenesis by regulating pre-mRNA splicing in. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E7018-E7027	11.5	36
42	Dimerization and blue light regulation of PIF1 interacting bHLH proteins in Arabidopsis. *Plant Molecular Biology*, **2011**, 77, 501-11	4.6	36
41	Blue light induces degradation of the negative regulator phytochrome interacting factor 1 to promote photomorphogenic development of Arabidopsis seedlings. *Genetics*, **2009**, 182, 161-71	4	36
40	Characterization of pyruvate decarboxylase genes from rice. *Plant Molecular Biology*, **1996**, 31, 761-70	4.6	32
39	Reciprocal proteasome-mediated degradation of PIFs and HFR1 underlies photomorphogenic development in. *Development (Cambridge)*, **2017**, 144, 1831-1840	6.6	28
38	PCH1 and PCHL promote photomorphogenesis in plants by controlling phytochrome B dark reversion. *Nature Communications*, **2017**, 8, 2221	17.4	28
37	A Negative Feedback Loop between PHYTOCHROME INTERACTING FACTORs and HECATE Proteins Fine-Tunes Photomorphogenesis in Arabidopsis. *Plant Cell*, **2016**, 28, 855-74	11.6	26
36	Molecular bases for the constitutive photomorphogenic phenotypes in. *Development (Cambridge)*, **2018**, 145,	6.6	26
35	NO FLOWERING IN SHORT DAY (NFL) is a bHLH transcription factor that promotes flowering specifically under short-day conditions in Arabidopsis. *Development (Cambridge)*, **2016**, 143, 682-90	6.6	24
34	Phytochrome Signaling Networks. *Annual Review of Plant Biology*, **2021**, 72, 217-244	30.7	24
33	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	11.5	23
32	Dynamic regulation of PIF5 by COP1-SPA complex to optimize photomorphogenesis in Arabidopsis. *Plant Journal*, **2018**, 96, 260-273	6.9	23
31	SRL1: a new locus specific to the phyB-signaling pathway in Arabidopsis. *Plant Journal*, **2000**, 23, 461-70	6.9	22
30	Coordinated Regulation of Pre-mRNA Splicing by the SFPS-RRC1 Complex to Promote Photomorphogenesis. *Plant Cell*, **2019**, 31, 2052-2069	11.6	20
29	Sequence of a cDNA from Oryza sativa (L.) encoding the pyruvate decarboxylase 1 gene. *Plant Physiology*, **1994**, 106, 799-800	6.6	19
28	Multiple kinases promote light-induced degradation of PIF1. *Plant Signaling and Behavior*, **2011**, 6, 1119-25	2.5	17

27	Phytochrome Signaling **2005**, 151-170		17
26	SPAs promote thermomorphogenesis by regulating the phyB-PIF4 module in. *Development (Cambridge)*, **2020**, 147,	6.6	14
25	An anaerobically inducible early (aie) gene family from rice. *Plant Molecular Biology*, **1999**, 40, 591-601	4.6	12
24	Arabidopsis casein kinase 2 α subunit regulates various developmental pathways in a functionally overlapping manner. *Plant Science*, **2015**, 236, 295-303	5.3	11
23	Does CK2 affect flowering time by modulating the autonomous pathway in Arabidopsis?. *Plant Signaling and Behavior*, **2012**, 7, 292-4	2.5	11
22	Suicidal co-degradation of the phytochrome interacting factor 3 and phytochrome B in response to light. *Molecular Plant*, **2014**, 7, 1709-11	14.4	10
21	Direct phosphorylation of HY5 by SPA kinases to regulate photomorphogenesis in Arabidopsis. *New Phytologist*, **2021**, 230, 2311-2326	9.8	10
20	COP1 SUPPRESSOR 4 promotes seedling photomorphogenesis by repressing and expression in. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 11631-11636	11.5	10
19	Phytochrome A antagonizes PHYTOCHROME INTERACTING FACTOR 1 to prevent over-activation of photomorphogenesis. *Molecular Plant*, **2014**, 7, 1415-1428	14.4	9
18	Spatial regulation of thermomorphogenesis by HY5 and PIF4 in Arabidopsis. *Nature Communications*, **2021**, 12, 3656	17.4	9
17	Molecular characterization of pdc2 and mapping of three pdc genes from rice. *Theoretical and Applied Genetics*, **1999**, 98, 815-824	6	8
16	A COP1-PIF-HEC regulatory module fine-tunes photomorphogenesis in Arabidopsis. *Plant Journal*, **2020**, 104, 113-123	6.9	8
15	PCH1 and PCHL Directly Interact with PIF1, Promote Its Degradation, and Inhibit Its Transcriptional Function during Photomorphogenesis. *Molecular Plant*, **2020**, 13, 499-514	14.4	6
14	Direct Convergence of Light and Auxin Signaling Pathways in Arabidopsis. *Molecular Plant*, **2018**, 11, 515-517	14.4	5
13	An autoregulatory negative feedback loop controls thermomorphogenesis in Arabidopsis. *PLoS Genetics*, **2021**, 17, e1009595	6	5
12	Mapping functional domains of transcription factors. *Methods in Molecular Biology*, **2011**, 754, 167-84	1.4	4
11	Genomic evidence reveals SPA-regulated developmental and metabolic pathways in dark-grown Arabidopsis seedlings. *Physiologia Plantarum*, **2020**, 169, 380-396	4.6	4
10	PIF-mediated sucrose regulation of the circadian oscillator is light quality and temperature dependent. *Genes*, **2018**, 9,	4.2	4

9	Phytochrome B triggers light-dependent chromatin remodelling through the PRC2-associated PHD finger protein VIL1. *Nature Plants*, **2021**, 7, 1213-1219	11.5	4
8	Light-regulated pre-mRNA splicing in plants. *Current Opinion in Plant Biology*, **2021**, 63, 102037	9.9	4
7	Characterization of Light-Regulated Protein-Protein Interactions by In Vivo Coimmunoprecipitation (Co-IP) Assays in Plants. *Methods in Molecular Biology*, **2019**, 2026, 29-39	1.4	3
6	Rapid Examination of Phytochrome-Phytochrome Interacting Factor (PIF) Interaction by In Vitro Coimmunoprecipitation Assay. *Methods in Molecular Biology*, **2019**, 2026, 21-28	1.4	1
5	Molecular bases for the constitutive photomorphogenic phenotypes in Arabidopsis		1
4	Direct phosphorylation of HY5 by SPA1 kinase to regulate photomorphogenesis in Arabidopsis		1
3	A Protein-Based Genetic Screening Uncovers Mutants Involved in Phytochrome Signaling in Arabidopsis. *Frontiers in Plant Science*, **2016**, 7, 1086	6.2	1
2	Signals | Light Signaling in Plants **2021**, 78-89		1
1	A high resolution single molecule sequencing-based Arabidopsis transcriptome using novel methods of Iso-seq analysis		1