Enamul Huq

List of Publications by Year
in descending order

78 papers	10,039 citations	71102 41 h-index	74163 75 g-index
86 all docs	86 docs citations	86 times ranked	7745 citing authors

#	Article	IF	Citations
1	The Arabidopsis Basic/Helix-Loop-Helix Transcription Factor Family[W]. Plant Cell, 2003, 15, 1749-1770.	6.6	1,109
2	Direct Targeting of Light Signals to a Promoter Element-Bound Transcription Factor. Science, 2000, 288, 859-863.	12.6	629
3	A light-switchable gene promoter system. Nature Biotechnology, 2002, 20, 1041-1044.	17.5	553
4	Multiple Phytochrome-Interacting bHLH Transcription Factors Repress Premature Seedling Photomorphogenesis in Darkness. Current Biology, 2008, 18, 1815-1823.	3.9	513
5	PIF4, a phytochrome-interacting bHLH factor, functions as a negative regulator of phytochrome B signaling in Arabidopsis. EMBO Journal, 2002, 21, 2441-2450.	7.8	482
6	PHYTOCHROME-INTERACTING FACTOR 1 Is a Critical bHLH Regulator of Chlorophyll Biosynthesis. Science, 2004, 305, 1937-1941.	12.6	434
7	Phytochrome Interacting Factors: central players in phytochrome-mediated light signaling networks. Trends in Plant Science, 2007, 12, 514-521.	8.8	409
8	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.	7.1	361
9	Phytochromes and Phytochrome Interacting Factors. Plant Physiology, 2018, 176, 1025-1038.	4.8	334
10	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.	7.1	325
11	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.	6.6	314
12	Update on the Basic Helix-Loop-Helix Transcription Factor Gene Family in Arabidopsis thaliana. Plant Cell, 2003, 15, 2497-2502.	6.6	282
13	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.	6.6	279
14	Regulation of Drought Tolerance by the F-Box Protein MAX2 in Arabidopsis. Plant Physiology, 2014, 164, 424-439.	4.8	254
15	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.	6.6	250
16	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.	5.7	219
17	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.	7.1	204
18	The F-Box Protein MAX2 Functions as a Positive Regulator of Photomorphogenesis in Arabidopsis. Plant Physiology, 2007, 145, 1471-1483.	4.8	196

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19	Illuminating Progress in Phytochrome-Mediated Light Signaling Pathways. Trends in Plant Science, 2015, 20, 641-650.	8.8	179
20	Expanding Roles of PIFs in Signal Integration from Multiple Processes. Molecular Plant, 2017, 10, 1035-1046.	8.3	172
21	Plant photoreceptors: Multi-functional sensory proteins and their signaling networks. Seminars in Cell and Developmental Biology, 2019, 92, 114-121.	5.0	166
22	Phytochrome Signaling Networks. Annual Review of Plant Biology, 2021, 72, 217-244.	18.7	130
23	Nuclear translocation of the photoreceptor phytochrome B is necessary for its biological function in seedling photomorphogenesis. Plant Journal, 2003, 35, 660-664.	5.7	117
24	SCAR Mediates Light-Induced Root Elongation inArabidopsisthrough Photoreceptors and Proteasomes Â. Plant Cell, 2011, 23, 3610-3626.	6.6	115
25	MAX2 Affects Multiple Hormones to Promote Photomorphogenesis. Molecular Plant, 2012, 5, 750-762.	8.3	104
26	Cre/lox site-specific recombination controls the excision of a transgene from the rice genome. Theoretical and Applied Genetics, 2002, 104, 518-525.	3.6	98
27	CUL4 forms an E3 ligase with COP1 and SPA to promote light-induced degradation of PIF1. Nature Communications, 2015, 6, 7245.	12.8	97
28	Expanding roles of protein kinase CK2 in regulating plant growth and development. Journal of Experimental Botany, 2014, 65, 2883-2893.	4.8	92
29	Phosphorylation by CK2 Enhances the Rapid Light-induced Degradation of Phytochrome Interacting Factor 1 in Arabidopsis. Journal of Biological Chemistry, 2011, 286, 12066-12074.	3.4	84
30	A phyB-PIF1-SPA1 kinase regulatory complex promotes photomorphogenesis in Arabidopsis. Nature Communications, 2019, 10, 4216.	12.8	80
31	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.	6.6	78
32	A New CULLIN 1 Mutant Has Altered Responses to Hormones and Light in Arabidopsis. Plant Physiology, 2007, 143, 684-696.	4.8	74
33	<scp>PHYTOCHROME INTERACTING FACTORS</scp> mediate metabolic control of the circadian system in Arabidopsis. New Phytologist, 2017, 215, 217-228.	7.3	63
34	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.	6.6	61
35	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.	7.1	61
36	Degradation of negative regulators: a common theme in hormone and light signaling networks?. Trends in Plant Science, 2006, 11, 4-7.	8.8	57

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37	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.	7.1	53
38	Molecular bases for the constitutive photomorphogenic phenotypes in Arabidopsis. Development (Cambridge), 2018, 145, .	2.5	51
39	Casein kinase II Î± subunits affect multiple developmental and stressâ€responsive pathways in Arabidopsis. Plant Journal, 2012, 69, 343-354.	5.7	50
40	Spatial regulation of thermomorphogenesis by HY5 and PIF4 in Arabidopsis. Nature Communications, 2021, 12, 3656.	12.8	50
41	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.	7.1	49
42	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.	7.1	47
43	Blue Light Induces Degradation of the Negative Regulator Phytochrome Interacting Factor 1 to Promote Photomorphogenic Development of Arabidopsis Seedlings. Genetics, 2009, 182, 161-171.	2.9	43
44	Reciprocal proteasome-mediated degradation of PIFs and HFR1 underlying photomorphogenic development in Arabidopsis. Development (Cambridge), 2017, 144, 1831-1840.	2.5	43
45	Characterization of pyruvate decarboxylase genes from rice. Plant Molecular Biology, 1996, 31, 761-770.	3.9	42
46	A Negative Feedback Loop between PHYTOCHROME INTERACTING FACTORs and HECATE Proteins Fine-Tunes Photomorphogenesis in Arabidopsis. Plant Cell, 2016, 28, 855-874.	6.6	42
47	PCH1 and PCHL promote photomorphogenesis in plants by controlling phytochrome B dark reversion. Nature Communications, 2017, 8, 2221.	12.8	41
48	Dimerization and blue light regulation of PIF1 interacting bHLH proteins in Arabidopsis. Plant Molecular Biology, 2011, 77, 501-511.	3.9	40
49	Coordinated Regulation of Pre-mRNA Splicing by the SFPS-RRC1 Complex to Promote Photomorphogenesis. Plant Cell, 2019, 31, 2052-2069.	6.6	38
50	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.	2.5	35
51	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.	5.7	35
52	Direct phosphorylation of HY5 by SPA kinases to regulate photomorphogenesis in Arabidopsis. New Phytologist, 2021, 230, 2311-2326.	7.3	35
53	SPAs promote thermomorphogenesis via regulating the phyB-PIF4 module in Arabidopsis. Development (Cambridge), 2020, 147, .	2.5	33
54	SRL1: a new locus specific to the phyB-signaling pathway in Arabidopsis. Plant Journal, 2000, 23, 461-470.	5.7	24

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55	Sequence of a cDNA from Oryza sativa (L.) Encoding the Pyruvate Decarboxylase 1 Gene. Plant Physiology, 1994, 106, 799-800.	4.8	23
56	An anaerobically inducible early (aie) gene family from rice. , 1999, 40, 591-601.		21
57	Multiple kinases promote light-induced degradation of PIF1. Plant Signaling and Behavior, 2011, 6, 1119-1121.	2.4	20
58	Phytochrome B triggers light-dependent chromatin remodelling through the PRC2-associated PHD finger protein VIL1. Nature Plants, 2021, 7, 1213-1219.	9.3	19
59	Phytochrome Signaling. , 2005, , 151-170.		18
60	Does CK2 affect flowering time by modulating the autonomous pathway in Arabidopsis?. Plant Signaling and Behavior, 2012, 7, 292-294.	2.4	18
61	A COP1â€PIFâ€HEC regulatory module fineâ€tunes photomorphogenesis in Arabidopsis. Plant Journal, 2020, 104, 113-123.	5.7	18
62	An autoregulatory negative feedback loop controls thermomorphogenesis in Arabidopsis. PLoS Genetics, 2021, 17, e1009595.	3.5	17
63	Arabidopsis casein kinase 2 Î±4 subunit regulates various developmental pathways in a functionally overlapping manner. Plant Science, 2015, 236, 295-303.	3.6	16
64	Light-regulated pre-mRNA splicing in plants. Current Opinion in Plant Biology, 2021, 63, 102037.	7.1	16
65	PCH1 and PCHL Directly Interact with PIF1, Promote Its Degradation, and Inhibit Its Transcriptional Function during Photomorphogenesis. Molecular Plant, 2020, 13, 499-514.	8.3	15
66	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.	7.1	12
67	Suicidal Co-Degradation of the Phytochrome Interacting Factor 3 and Phytochrome B in Response to Light. Molecular Plant, 2014, 7, 1709-1711.	8.3	11
68	Phytochrome A Antagonizes PHYTOCHROME INTERACTING FACTOR 1 to Prevent Over-Activation of Photomorphogenesis. Molecular Plant, 2014, 7, 1415-1428.	8.3	11
69	PIF-mediated sucrose regulation of the circadian oscillator is light quality and temperature dependent. Genes, 2018, 9, 628.	2.4	11
70	Molecular characterization of pdc2 and mapping of three pdc genes from rice. Theoretical and Applied Genetics, 1999, 98, 815-824.	3.6	10
71	Direct Convergence of Light and Auxin Signaling Pathways in Arabidopsis. Molecular Plant, 2018, 11, 515-517.	8.3	9
72	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.	5.2	9

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73	Mapping Functional Domains of Transcription Factors. Methods in Molecular Biology, 2011, 754, 167-184.	0.9	8
74	Characterization of Light-Regulated Proteinâ€“Protein Interactions by In Vivo Coimmunoprecipitation (Co-IP) Assays in Plants. Methods in Molecular Biology, 2019, 2026, 29-39.	0.9	7
75	Signals | Light Signaling in Plants. , 2021, , 78-89.		4
76	<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, , .	5.7	4
77	Rapid Examination of Phytochromeâ€“Phytochrome Interacting Factor (PIF) Interaction by In Vitro Coimmunoprecipitation Assay. Methods in Molecular Biology, 2019, 2026, 21-28.	0.9	3
78	A Protein-Based Genetic Screening Uncovers Mutants Involved in Phytochrome Signaling in Arabidopsis. Frontiers in Plant Science, 2016, 7, 1086.	3.6	1