Haiyang Wang

List of Publications by Year
in descending order

96 papers	9,229 citations	34105 52 h-index	42399 92 g-index
96 all docs	96 docs citations	96 times ranked	8397 citing authors

#	Article	IF	Citations
1	Leaf angle: a target of genetic improvement in cereal crops tailored for highâ€density planting. Plant Biotechnology Journal, 2022, 20, 426-436.	8.3	37
2	Overexpression of <i>ZmSPL12</i> confers enhanced lodging resistance through transcriptional regulation of <i>D1</i> in maize. Plant Biotechnology Journal, 2022, 20, 622-624.	8.3	10
3	Arabidopsis Circadian Clock Repress Phytochrome a Signaling. Frontiers in Plant Science, 2022, 13, .	3.6	4
4	Genomic insights into historical improvement of heterotic groups during modern hybrid maize breeding. Nature Plants, 2022, 8, 750-763.	9.3	36
5	DHD4, a CONSTANS-like family transcription factor, delays heading date by affecting the formation of the FAC complex in rice. Molecular Plant, 2021, 14, 330-343.	8.3	26
6	Transcriptional activation and phosphorylation of OsCNGC9 confer enhanced chilling tolerance in rice. Molecular Plant, 2021, 14, 315-329.	8.3	89
7	Transcriptional and postâ€transcriptional regulation of heading date in rice. New Phytologist, 2021, 230, 943-956.	7.3	69
8	<i>white panicle</i>2 encoding thioredoxin <i>z</i>, regulates plastid RNA editing by interacting with multiple organellar RNA editing factors in rice. New Phytologist, 2021, 229, 2693-2706.	7.3	24
9	ZmSPL10/14/26 are required for epidermal hair cell fate specification on maize leaf. New Phytologist, 2021, 230, 1533-1549.	7.3	21
10	Integration of light and hormone signaling pathways in the regulation of plant shade avoidance syndrome. ABIOTECH, 2021, 2, 131-145.	3.9	32
11	Determinant Factors and Regulatory Systems for Anthocyanin Biosynthesis in Rice Apiculi and Stigmas. Rice, 2021, 14, 37.	4.0	20
12	DWARF53 interacts with transcription factors UB2/UB3/TSH4 to regulate maize tillering and tassel branching. Plant Physiology, 2021, 187, 947-962.	4.8	18
13	Arabidopsis FHY3 and FAR1 Function in Age Gating of Leaf Senescence. Frontiers in Plant Science, 2021, 12, 770060.	3.6	10
14	<i>ZmGRAS11</i>, transactivated by Opaque2, positively regulates kernel size in maize. Journal of Integrative Plant Biology, 2021, 63, 2031-2037.	8.5	13
15	<i>UPA2</i> and <i>ZmRAVL1</i>: Promising targets of genetic improvement of maize plant architecture. Journal of Integrative Plant Biology, 2020, 62, 394-397.	8.5	10
16	The retromer protein ZmVPS29 regulates maize kernel morphology likely through an auxinâ€dependent process(es). Plant Biotechnology Journal, 2020, 18, 1004-1014.	8.3	25
17	FHY3 and FAR1 Integrate Light Signals with the miR156-SPL Module-Mediated Aging Pathway to Regulate Arabidopsis Flowering. Molecular Plant, 2020, 13, 483-498.	8.3	71
18	Light Regulation of Stomatal Development and Patterning: Shifting the Paradigm from Arabidopsis to Grasses. Plant Communications, 2020, 1, 100030.	7.7	29

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19	SMXL6/7/8: Dual-Function Transcriptional Repressors of Strigolactone Signaling. Molecular Plant, 2020, 13, 1244-1246.	8.3	4
20	Rice stripe virus suppresses jasmonic acid-mediated resistance by hijacking brassinosteroid signaling pathway in rice. PLoS Pathogens, 2020, 16, e1008801.	4.7	45
21	Light and Abscisic Acid Coordinately Regulate Greening of Seedlings. Plant Physiology, 2020, 183, 1281-1294.	4.8	18
22	CRISPR/Cas9â€mediated knockout and overexpression studies reveal a role of maize phytochrome C in regulating flowering time and plant height. Plant Biotechnology Journal, 2020, 18, 2520-2532.	8.3	56
23	Transcription Factors FHY3 and FAR1 Regulate Light-Induced <i>CIRCADIAN CLOCK ASSOCIATED1</i> Gene Expression in Arabidopsis. Plant Cell, 2020, 32, 1464-1478.	6.6	50
24	JA modulates phytochrome a signaling via repressing FHY3 activity by JAZ proteins. Plant Signaling and Behavior, 2020, 15, 1726636.	2.4	8
25	Cytological evidence of BSD2 functioning in both chloroplast division and dimorphic chloroplast formation in maize leaves. BMC Plant Biology, 2020, 20, 17.	3.6	3
26	<i>GPA5</i> Encodes a Rab5a Effector Required for Post-Golgi Trafficking of Rice Storage Proteins. Plant Cell, 2020, 32, 758-777.	6.6	44
27	Genome-wide selection and genetic improvement during modern maize breeding. Nature Genetics, 2020, 52, 565-571.	21.4	146
28	The APC/C^{TE} E3 Ubiquitin Ligase Complex Mediates the Antagonistic Regulation of Root Growth and Tillering by ABA and GA. Plant Cell, 2020, 32, 1973-1987.	6.6	45
29	Arabidopsis FHY3 and FAR1 integrate light and strigolactone signaling to regulate branching. Nature Communications, 2020, 11, 1955.	12.8	91
30	The central circadian clock proteins CCA1 and LHY regulate iron homeostasis in <i>Arabidopsis</i>. Journal of Integrative Plant Biology, 2019, 61, 168-181.	8.5	16
31	A cyclic nucleotide-gated channel mediates cytoplasmic calcium elevation and disease resistance in rice. Cell Research, 2019, 29, 820-831.	12.0	119
32	Arabidopsis FHY3 and FAR1 Regulate the Balance between Growth and Defense Responses under Shade Conditions. Plant Cell, 2019, 31, 2089-2106.	6.6	73
33	Characterization of Maize Phytochrome-Interacting Factors in Light Signaling and Photomorphogenesis. Plant Physiology, 2019, 181, 789-803.	4.8	54
34	Os<scp>PEX</scp>5 regulates rice spikelet development through modulating jasmonic acid biosynthesis. New Phytologist, 2019, 224, 712-724.	7.3	36
35	Postâ€transcriptional regulation of Ghd7 protein stability by phytochrome and Os<scp>GI</scp> in photoperiodic control of flowering in rice. New Phytologist, 2019, 224, 306-320.	7.3	48
36	Correlation of the temporal and spatial expression patterns of HQT with the biosynthesis and accumulation of chlorogenic acid in Lonicera japonica flowers. Horticulture Research, 2019, 6, 73.	6.3	31

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37	Development of a Haploid-Inducer Mediated Genome Editing System for Accelerating Maize Breeding. Molecular Plant, 2019, 12, 597-602.	8.3	144
38	OsSHI1 Regulates Plant Architecture Through Modulating the Transcriptional Activity of IPA1 in Rice. Plant Cell, 2019, 31, 1026-1042.	6.6	85
39	Early heading 7 interacts with DTH8, and regulates flowering time in rice. Plant Cell Reports, 2019, 38, 521-532.	5.6	22
40	OsALMT7 Maintains Panicle Size and Grain Yield in Rice by Mediating Malate Transport. Plant Cell, 2018, 30, 889-906.	6.6	81
41	Expression of tomato prosystemin gene in <i>Arabidopsis</i> reveals systemic translocation of its mRNA and confers necrotrophic fungal resistance. New Phytologist, 2018, 217, 799-812.	7.3	39
42	Development of the â€œThird-Generationâ€•Hybrid Rice in China. Genomics, Proteomics and Bioinformatics, 2018, 16, 393-396.	6.9	33
43	Exploiting SPL genes to improve maize plant architecture tailored for high-density planting. Journal of Experimental Botany, 2018, 69, 4675-4688.	4.8	51
44	A selfish genetic element confers non-Mendelian inheritance in rice. Science, 2018, 360, 1130-1132.	12.6	105
45	GW5 acts in the brassinosteroid signalling pathway to regulate grain width and weight in rice. Nature Plants, 2017, 3, 17043.	9.3	386
46	IPA1 : A New â€œGreen Revolutionâ€•Gene?. Molecular Plant, 2017, 10, 779-781.	8.3	42
47	Tetrahydrofolate Modulates Floral Transition through Epigenetic Silencing. Plant Physiology, 2017, 174, 1274-1284.	4.8	9
48	The OsHAPL1-DTH8-Hd1 complex functions as the transcription regulator to repress heading date in rice. Journal of Experimental Botany, 2017, 68, erw468.	4.8	38
49	Light and Ethylene Coordinately Regulate the Phosphate Starvation Response through Transcriptional Regulation of <i>PHOSPHATE STARVATION RESPONSE1</i>. Plant Cell, 2017, 29, 2269-2284.	6.6	77
50	Phytochrome-interacting factors directly suppress MIR156 expression to enhance shade-avoidance syndrome in Arabidopsis. Nature Communications, 2017, 8, 348.	12.8	144
51	The LBD12-1 Transcription Factor Suppresses Apical Meristem Size by Repressing Argonaute 10 Expression. Plant Physiology, 2017, 173, 801-811.	4.8	25
52	OsCNGC13 promotes seed-setting rate by facilitating pollen tube growth in stylar tissues. PLoS Genetics, 2017, 13, e1006906.	3.5	55
53	Regulatory modules controlling early shade avoidance response in maize seedlings. BMC Genomics, 2016, 17, 269.	2.8	42
54	<i>FAR-RED ELONGATED HYPOCOTYL3</i> activates <i>SEPALLATA2</i> but inhibits <i>CLAVATA3</i> to regulate meristem determinacy and maintenance in <i>Arabidopsis</i>. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9375-9380.	7.1	36

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55	GOLGI TRANSPORT 1B Regulates Protein Export from the Endoplasmic Reticulum in Rice Endosperm Cells. Plant Cell, 2016, 28, 2850-2865.	6.6	79
56	<i>Arabidopsis</i> cryptochrome 1 functions in nitrogen regulation of flowering. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7661-7666.	7.1	107
57	A pair of light signaling factors FHY3 and FAR1 regulates plant immunity by modulating chlorophyll biosynthesis. Journal of Integrative Plant Biology, 2016, 58, 91-103.	8.5	71
58	WHITE PANICLE1, a Val-tRNA Synthetase Regulating Chloroplast Ribosome Biogenesis in Rice, Is Essential for Early Chloroplast Development. Plant Physiology, 2016, 170, 2110-2123.	4.8	74
59	<i>OsCOL10</i>, a<i>CONSTANS-Like</i>Gene, Functions as a Flowering Time Repressor Downstream of<i>Ghd7</i>in Rice. Plant and Cell Physiology, 2016, 57, 798-812.	3.1	69
60	Arabidopsis FHY3 and FAR1 Regulate Light-Induced myo -Inositol Biosynthesis and Oxidative Stress Responses by Transcriptional Activation of MIPS1. Molecular Plant, 2016, 9, 541-557.	8.3	81
61	An evolutionarily conserved gene, <i><scp>FUWA</scp></i>, plays a role in determining panicle architecture, grain shape and grain weight in rice. Plant Journal, 2015, 83, 427-438.	5.7	68
62	Phytochrome Signaling: Time to Tighten up the Loose Ends. Molecular Plant, 2015, 8, 540-551.	8.3	115
63	The miR156/SPL Module, a Regulatory Hub and Versatile Toolbox, Gears up Crops for Enhanced Agronomic Traits. Molecular Plant, 2015, 8, 677-688.	8.3	273
64	Multifaceted roles of FHY3 and FAR1 in light signaling and beyond. Trends in Plant Science, 2015, 20, 453-461.	8.8	78
65	The SnRK2-APC/CTE regulatory module mediates the antagonistic action of gibberellic acid and abscisic acid pathways. Nature Communications, 2015, 6, 7981.	12.8	96
66	<i>GLUTELIN PRECURSOR ACCUMULATION3</i>Encodes a Regulator of Post-Golgi Vesicular Traffic Essential for Vacuolar Protein Sorting in Rice Endosperm Â. Plant Cell, 2014, 26, 410-425.	6.6	113
67	<i>Days to heading 7</i> , a major quantitative locus determining photoperiod sensitivity and regional adaptation in rice. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16337-16342.	7.1	253
68	STV11 encodes a sulphotransferase and confers durable resistance to rice stripe virus. Nature Communications, 2014, 5, 4768.	12.8	126
69	D14â€“SCFD3-dependent degradation of D53 regulates strigolactone signalling. Nature, 2013, 504, 406-410.	27.8	669
70	OsVPS9A Functions Cooperatively with OsRAB5A to Regulate Post-Golgi Dense Vesicle-Mediated Storage Protein Trafficking to the Protein Storage Vacuole in Rice Endosperm Cells. Molecular Plant, 2013, 6, 1918-1932.	8.3	48
71	Multifaceted roles of<i>Arabidopsis</i>PP6 phosphatase in regulating cellular signaling and plant development. Plant Signaling and Behavior, 2013, 8, e22508.	2.4	14
72	<i>Arabidopsis</i>Phytochrome B Promotes SPA1 Nuclear Accumulation to Repress Photomorphogenesis under Far-Red Light Â Â. Plant Cell, 2013, 25, 115-133.	6.6	82

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73	Ehd4 Encodes a Novel and Oryza-Genus-Specific Regulator of Photoperiodic Flowering in Rice. PLoS Genetics, 2013, 9, e1003281.	3.5	186
74	FAR-RED ELONGATED HYPOCOTYL3 and FAR-RED IMPAIRED RESPONSE1 Transcription Factors Integrate Light and Abscisic Acid Signaling in Arabidopsis. Plant Physiology, 2013, 163, 857-866.	4.8	105
75	Association of functional nucleotide polymorphisms at <i>DTH2</i> with the northward expansion of rice cultivation in Asia. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2775-2780.	7.1	178
76	Hybrid Rice Breeding Welcomes a New Era of Molecular Crop Design. Scientia Sinica Vitae, 2013, 43, 864-868.	0.3	18
77	Rice APC/CTE controls tillering by mediating the degradation of MONOCULM 1. Nature Communications, 2012, 3, 752.	12.8	138
78	Identification and Characterization of an Epi-Allele of <i>FIE1</i> Reveals a Regulatory Linkage between Two Epigenetic Marks in Rice. Plant Cell, 2012, 24, 4407-4421.	6.6	125
79	Transposase-Derived Proteins FHY3/FAR1 Interact with PHYTOCHROME-INTERACTING FACTOR1 to Regulate Chlorophyll Biosynthesis by Modulating <i>HEMB1</i> during Deetiolation in <i>Arabidopsis</i>. Plant Cell, 2012, 24, 1984-2000.	6.6	138
80	Gibberellin indirectly promotes chloroplast biogenesis as a means to maintain the chloroplast population of expanded cells. Plant Journal, 2012, 72, 768-780.	5.7	65
81	Phytochrome Signaling Mechanisms. The Arabidopsis Book, 2011, 9, e0148.	0.5	336
82	Coordinated transcriptional regulation underlying the circadian clock in Arabidopsis. Nature Cell Biology, 2011, 13, 616-622.	10.3	245
83	<i>Pollen Semi-Sterility1</i>Encodes a Kinesin-1â€“Like Protein Important for Male Meiosis, Anther Dehiscence, and Fertility in Rice. Plant Cell, 2011, 23, 111-129.	6.6	113
84	Genome-Wide Binding Site Analysis of FAR-RED ELONGATED HYPOCOTYL3 Reveals Its Novel Function in <i>Arabidopsis</i> Development. Plant Cell, 2011, 23, 2514-2535.	6.6	118
85	<i>Arabidopsis</i> Transcription Factor ELONGATED HYPOCOTYL5 Plays a Role in the Feedback Regulation of Phytochrome A Signaling Â. Plant Cell, 2010, 22, 3634-3649.	6.6	165
86	Arabidopsis COP1/SPA1 Complex and FHY1/FHY3 Associate with Distinct Phosphorylated Forms of Phytochrome A in Balancing Light Signaling. Molecular Cell, 2008, 31, 607-613.	9.7	104
87	Discrete and Essential Roles of the Multiple Domains of Arabidopsis FHY3 in Mediating Phytochrome A Signal Transduction Â Â. Plant Physiology, 2008, 148, 981-992.	4.8	40
88	Biochemical Characterization of<i>Arabidopsis</i>Complexes Containing CONSTITUTIVELY PHOTOMORPHOGENIC1 and SUPPRESSOR OF PHYA Proteins in Light Control of Plant Development. Plant Cell, 2008, 20, 2307-2323.	6.6	202
89	Transposase-Derived Transcription Factors Regulate Light Signaling in <i>Arabidopsis</i>. Science, 2007, 318, 1302-1305.	12.6	439
90	Light-regulated overexpression of an Arabidopsis phytochrome A gene in rice alters plant architecture and increases grain yield. Planta, 2006, 223, 627-636.	3.2	84

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91	Light Regulates COP1-Mediated Degradation of HFR1, a Transcription Factor Essential for Light Signaling in Arabidopsis. Plant Cell, 2005, 17, 804-821.	6.6	301
92	Arabidopsis FHY3/FAR1 Gene Family and Distinct Roles of Its Members in Light Control of Arabidopsis Development. Plant Physiology, 2004, 136, 4010-4022.	4.8	119
93	Dissecting the phytochrome A-dependent signaling network in higher plants. Trends in Plant Science, 2003, 8, 172-178.	8.8	133
94	The COP1-SPA1 interaction defines a critical step in phytochrome A-mediated regulation of HY5 activity. Genes and Development, 2003, 17, 2642-2647.	5.9	403
95	Analysis of far-red light-regulated genome expression profiles of phytochrome A pathway mutants in Arabidopsis. Plant Journal, 2002, 32, 723-733.	5.7	72
96	ArabidopsisFHY3 defines a key phytochrome A signaling component directly interacting with its homologous partner FAR1. EMBO Journal, 2002, 21, 1339-1349.	7.8	141