Hao Yu

List of Publications by Year
in descending order

Version: 2024-02-01

120 papers	10,517 citations	34016 52 h-index	35952 97 g-index
121 all docs	121 docs citations	121 times ranked	9836 citing authors

#	Article	IF	Citations
1	DELLAs Modulate Jasmonate Signaling via Competitive Binding to JAZs. Developmental Cell, 2010, 19, 884-894.	3.1	646
2	A Repressor Complex Governs the Integration of Flowering Signals in Arabidopsis. Developmental Cell, 2008, 15, 110-120.	3.1	443
3	Regulation of Floral Patterning by Flowering Time Genes. Developmental Cell, 2009, 16, 711-722.	3.1	344
4	Direct interaction of AGL24 and SOC1 integrates flowering signals in Arabidopsis. Development (Cambridge), 2008, 135, 1481-1491.	1.2	305
5	MOTHER OF FT AND TFL1Regulates Seed Germination through a Negative Feedback Loop Modulating ABA Signaling inArabidopsisÂ Â. Plant Cell, 2010, 22, 1733-1748.	3.1	293
6	The homeotic protein AGAMOUS controls microsporogenesis by regulation of SPOROCYTELESS. Nature, 2004, 430, 356-360.	13.7	284
7	N6-Methyladenosine RNA Modification Regulates Shoot Stem Cell Fate in Arabidopsis. Developmental Cell, 2016, 38, 186-200.	3.1	281
8	FTIP1 Is an Essential Regulator Required for Florigen Transport. PLoS Biology, 2012, 10, e1001313.	2.6	265
9	Specification of Arabidopsis floral meristem identity by repression of flowering time genes. Development (Cambridge), 2007, 134, 1901-1910.	1.2	255
10	AGAMOUS-LIKE 24, a dosage-dependent mediator of the flowering signals. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 16336-16341.	3.3	249
11	Floral homeotic genes are targets of gibberellin signaling in flower development. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 7827-7832.	3.3	249
12	Repression of AGAMOUS-LIKE 24 is a crucial step in promoting flower development. Nature Genetics, 2004, 36, 157-161.	9.4	249
13	Nuclear factor Y-mediated H3K27me3 demethylation of the SOC1 locus orchestrates flowering responses of Arabidopsis. Nature Communications, 2014, 5, 4601.	5.8	238
14	DNA N-Adenine Methylation in Arabidopsis thaliana. Developmental Cell, 2018, 45, 406-416.e3.	3.1	196
15	A Conserved Genetic Pathway Determines Inflorescence Architecture in Arabidopsis and Rice. Developmental Cell, 2013, 24, 612-622.	3.1	193
16	The Homeotic Protein AGAMOUS Controls Late Stamen Development by Regulating a Jasmonate Biosynthetic Gene inArabidopsis. Plant Cell, 2007, 19, 3516-3529.	3.1	182
17	5-Methylcytosine RNA Methylation in Arabidopsis Thaliana. Molecular Plant, 2017, 10, 1387-1399.	3.9	181
18	Integration of cytokinin and gibberellin signalling by Arabidopsis transcription factors GIS, ZFP8 and GIS2 in the regulation of epidermal cell fate. Development (Cambridge), 2007, 134, 2073-2081.	1.2	178

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19	Identification and Characterization of Three Orchid MADS-Box Genes of the AP1/AGL9 Subfamily during Floral Transition. Plant Physiology, 2000, 123, 1325-1336.	2.3	176
20	Whole-Genome Resequencing of a Worldwide Collection of Rapeseed Accessions Reveals the Genetic Basis of Ecotype Divergence. Molecular Plant, 2019, 12, 30-43.	3.9	175
21	New insights into gibberellin signaling in regulating flowering in Arabidopsis. Journal of Integrative Plant Biology, 2020, 62, 118-131.	4.1	175
22	Genomeâ€wide identification of SOC1 and SVP targets during the floral transition in Arabidopsis. Plant Journal, 2012, 70, 549-561.	2.8	161
23	HANABA TARANU Is a GATA Transcription Factor That Regulates Shoot Apical Meristem and Flower Development in Arabidopsis[W]. Plant Cell, 2004, 16, 2586-2600.	3.1	159
24	Embryonic epigenetic reprogramming by a pioneer transcription factor in plants. Nature, 2017, 551, 124-128.	13.7	151
25	Crosstalk between GA and JA signaling mediates plant growth and defense. Plant Cell Reports, 2013, 32, 1067-1074.	2.8	145
26	New insights into the regulation of inflorescence architecture. Trends in Plant Science, 2014, 19, 158-165.	4.3	135
27	GLABROUS INFLORESCENCE STEMS Modulates the Regulation by Gibberellins of Epidermal Differentiation and Shoot Maturation in Arabidopsis. Plant Cell, 2006, 18, 1383-1395.	3.1	134
28	Floral organ identity genes in the orchidDendrobium crumenatum. Plant Journal, 2006, 46, 54-68.	2.8	132
29	Coming into bloom: the specification of floral meristems. Development (Cambridge), 2009, 136, 3379-3391.	1.2	127
30	N6-Methyladenine DNA Methylation in Japonica and Indica Rice Genomes and Its Association with Gene Expression, Plant Development, and Stress Responses. Molecular Plant, 2018, 11, 1492-1508.	3.9	123
31	A MYB-Domain Protein EFM Mediates Flowering Responses to Environmental Cues in Arabidopsis. Developmental Cell, 2014, 30, 437-448.	3.1	112
32	Zinc Finger Protein5Is Required for the Control of Trichome Initiation by Acting Upstream ofZinc Finger Protein8in Arabidopsis Â Â Â. Plant Physiology, 2011, 157, 673-682.	2.3	106
33	Global Identification of DELLA Target Genes during Arabidopsis Flower Development Â Â Â. Plant Physiology, 2008, 147, 1126-1142.	2.3	102
34	The WRKY Transcription Factor WRKY71/EXB1 Controls Shoot Branching by Transcriptionally Regulating RAX Genes in Arabidopsis. Plant Cell, 2015, 27, 3112-3127.	3.1	102
35	OsSPL3, an SBP-Domain Protein, Regulates Crown Root Development in Rice. Plant Cell, 2019, 31, 1257-1275.	3.1	95
36	The molecular mechanism of SPOROCYTELESS/NOZZLE in controlling Arabidopsis ovule development. Cell Research, 2015, 25, 121-134.	5.7	93

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37	<scp>GLABROUS INFLORESCENCE STEMS</scp>3 (<scp>GIS</scp>3) regulates trichome initiation and development in Arabidopsis. New Phytologist, 2015, 206, 220-230.	3.5	90
38	AGAMOUS Controls GIANT KILLER, a Multifunctional Chromatin Modifier in Reproductive Organ Patterning and Differentiation. PLoS Biology, 2009, 7, e1000251.	2.6	83
39	NaKR1 regulates long-distance movement of FLOWERING LOCUS T in Arabidopsis. Nature Plants, 2016, 2, 16075.	4.7	82
40	Arabidopsis Transcription Factor TCP5 Controls Plant Thermomorphogenesis by Positively Regulating PIF4 Activity. IScience, 2019, 15, 611-622.	1.9	82
41	A zinc finger protein gene ZFP5 integrates phytohormone signaling to control root hair development in Arabidopsis. Plant Journal, 2012, 72, 474-490.	2.8	79
42	The J-Domain Protein J3 Mediates the Integration of Flowering Signals in Arabidopsis Â. Plant Cell, 2011, 23, 499-514.	3.1	75
43	Seeing the lights for leafy greens in indoor vertical farming. Trends in Food Science and Technology, 2020, 106, 48-63.	7.8	75
44	Overexpression of DOSOC1, an Ortholog of Arabidopsis SOC1, Promotes Flowering in the Orchid Dendrobium Chao Parya Smile. Plant and Cell Physiology, 2013, 54, 595-608.	1.5	74
45	Messenger RNA Modifications in Plants. Trends in Plant Science, 2019, 24, 328-341.	4.3	74
46	TRANSPARENT TESTA GLABRA1 Regulates the Accumulation of Seed Storage Reserves in Arabidopsis. Plant Physiology, 2015, 169, 391-402.	2.3	71
47	AGAMOUSâ€LIKE 17, a novel flowering promoter, acts in a FTâ€independent photoperiod pathway. Plant Journal, 2008, 55, 253-265.	2.8	70
48	LARGE ROOT ANGLE1, encoding OsPIN2, is involved in root system architecture in rice. Journal of Experimental Botany, 2018, 69, 385-397.	2.4	70
49	OsFTIP7 determines auxin-mediated anther dehiscence in rice. Nature Plants, 2018, 4, 495-504.	4.7	63
50	The putative PRC1 RING-finger protein AtRING1A regulates flowering through repressing MADS AFFECTING FLOWERING genes in Arabidopsis. Development (Cambridge), 2014, 141, 1303-1312.	1.2	61
51	Functional characterisation of a cytokinin oxidase gene DSCKX1 in Dendrobium orchid. Plant Molecular Biology, 2003, 51, 237-248.	2.0	58
52	Mobile TERMINAL FLOWER1 determines seed size in Arabidopsis. Nature Plants, 2020, 6, 1146-1157.	4.7	58
53	DOH1, a Class 1 knox Gene, Is Required for Maintenance of the Basic Plant Architecture and Floral Transition in Orchid. Plant Cell, 2000, 12, 2143-2159.	3.1	57
54	Florigen sequestration in cellular membranes modulates temperature-responsive flowering. Science, 2021, 373, 1137-1142.	6.0	56

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55	OsFTIP1-Mediated Regulation of Florigen Transport in Rice Is Negatively Regulated by the Ubiquitin-Like Domain Kinase OsUbDKÎ³4. Plant Cell, 2017, 29, 491-507.	3.1	55
56	Schizophrenia Related Variants in CACNA1C also Confer Risk of Autism. PLoS ONE, 2015, 10, e0133247.	1.1	55
57	Emerging insights into florigen transport. Current Opinion in Plant Biology, 2013, 16, 607-613.	3.5	51
58	The <scp>NUCLEAR FACTOR</scp>â€<scp>CONSTANS</scp> complex antagonizes Polycomb repression to deâ€repress <scp>FLOWERING LOCUS</scp> T expression in response to inductive long days in Arabidopsis. Plant Journal, 2018, 95, 17-29.	2.8	51
59	Site-specific phosphorylation of TRANSPARENT TESTA GLABRA1 mediates carbon partitioning in Arabidopsis seeds. Nature Communications, 2018, 9, 571.	5.8	51
60	Molecular Genetics of Reproductive Biology in Orchids. Plant Physiology, 2001, 127, 1390-1393.	2.3	50
61	Pin1At regulates PIN1 polar localization and root gravitropism. Nature Communications, 2016, 7, 10430.	5.8	50
62	FTIP-Dependent STM Trafficking Regulates Shoot Meristem Development in Arabidopsis. Cell Reports, 2018, 23, 1879-1890.	2.9	50
63	Insights into the molecular mechanism of RGL2-mediated inhibition of seed germination in Arabidopsis thaliana. BMC Plant Biology, 2012, 12, 179.	1.6	48
64	Genetic control of flower development, color and senescence of Dendrobium orchids. Scientia Horticulturae, 2014, 175, 74-86.	1.7	47
65	DOAP1 Promotes Flowering in the Orchid Dendrobium Chao Praya Smile. Frontiers in Plant Science, 2017, 08, 400.	1.7	47
66	Investigation of cytokinin-deficient phenotypes in Arabidopsis by ectopic expression of orchid DSCKX1. FEBS Letters, 2003, 555, 291-296.	1.3	46
67	N6-methyladenosine modification underlies messenger RNA metabolism and plant development. Current Opinion in Plant Biology, 2021, 63, 102047.	3.5	44
68	The MCTP-SNARE Complex Regulates Florigen Transport in Arabidopsis. Plant Cell, 2019, 31, 2475-2490.	3.1	43
69	STUNTEDmediates the control of cell proliferation by GA inArabidopsis. Development (Cambridge), 2012, 139, 1568-1576.	1.2	41
70	Molecular Basis of Natural Variation in Photoperiodic Flowering Responses. Developmental Cell, 2019, 50, 90-101.e3.	3.1	41
71	Pin1At Encoding a Peptidyl-Prolyl cis/trans Isomerase Regulates Flowering Time in Arabidopsis. Molecular Cell, 2010, 37, 112-122.	4.5	40
72	Characterization of Multiple C2 Domain and Transmembrane Region Proteins in Arabidopsis. Plant Physiology, 2018, 176, 2119-2132.	2.3	40

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73	Mesostigma viride Genome and Transcriptome Provide Insights into the Origin and Evolution of Streptophyta. Advanced Science, 2020, 7, 1901850.	5.6	40
74	DOFT and DOFTIP1 affect reproductive development in the orchid Dendrobium Chao Praya Smile. Journal of Experimental Botany, 2017, 68, 5759-5772.	2.4	39
75	Zinc finger protein 5 (ZFP5) associates with ethylene signaling to regulate the phosphate and potassium deficiency-induced root hair development in Arabidopsis. Plant Molecular Biology, 2020, 102, 143-158.	2.0	39
76	Genetic and Molecular Regulation by DELLA Proteins of Trichome Development in Arabidopsis. Plant Physiology, 2007, 145, 1031-1042.	2.3	35
77	Molecular Characterization of FT and FD Homologs from Eriobotrya deflexa Nakai forma koshunensis. Frontiers in Plant Science, 2016, 7, 8.	1.7	35
78	SHAGGY-like kinase 12 regulates flowering through mediating CONSTANS stability in Arabidopsis. Science Advances, 2020, 6, eaaw0413.	4.7	34
79	Dot Blot Analysis of N6-methyladenosine RNA Modification Levels. Bio-protocol, 2017, 7, e2095.	0.2	34
80	FIONA1â€Mediated m⁶A Modification Regulates the Floral Transition in Arabidopsis. Advanced Science, 2022, 9, e2103628.	5.6	34
81	The Arabidopsis RING-Type E3 Ligase TEAR1 Controls Leaf Development by Targeting the TIE1 Transcriptional Repressor for Degradation. Plant Cell, 2017, 29, 243-259.	3.1	33
82	The TIE1 transcriptional repressor controls shoot branching by directly repressing BRANCHED1 in Arabidopsis. PLoS Genetics, 2018, 14, e1007296.	1.5	33
83	GSK3s: nodes of multilayer regulation of plant development and stress responses. Trends in Plant Science, 2021, 26, 1286-1300.	4.3	33
84	MOTHER OFFT ANDTFL1regulates seed germination and fertility relevant to the brassinosteroid signaling pathway. Plant Signaling and Behavior, 2010, 5, 1315-1317.	1.2	32
85	l-Methionine sulfoximine as a novel selection agent for genetic transformation of orchids. Journal of Biotechnology, 2007, 131, 466-472.	1.9	30
86	Florigen trafficking integrates photoperiod and temperature signals in Arabidopsis. Journal of Integrative Plant Biology, 2020, 62, 1385-1398.	4.1	30
87	NbGIS regulates glandular trichome initiation through GA signaling in tobacco. Plant Molecular Biology, 2018, 98, 153-167.	2.0	29
88	Spatial and temporal expression of the orchid floral homeotic gene DOMADS1 is mediated by its upstream regulatory regions. Plant Molecular Biology, 2002, 49, 225-237.	2.0	27
89	Nuclear translocation of OsMFT1 that is impeded by OsFTIP1 promotes drought tolerance in rice. Molecular Plant, 2021, 14, 1297-1311.	3.9	27
90	Nucleoporin 160 Regulates Flowering through Anchoring HOS1 for Destabilizing CO in Arabidopsis. Plant Communications, 2020, 1, 100033.	3.6	24

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91	CRD 1, an Xpo1 domain protein, regulates mi RNA accumulation and crown root development in rice. Plant Journal, 2019, 100, 328-342.	2.8	23
92	Regulation by FLOWERING LOCUS T and TERMINAL FLOWER 1 in Flowering Time and Plant Architecture. Small Structures, 2021, 2, 2000125.	6.9	20
93	TCP transcription factors suppress cotyledon trichomes by impeding a cell differentiation-regulating complex. Plant Physiology, 2021, 186, 434-451.	2.3	20
94	RNA N6-methyladenosine modification promotes auxin biosynthesis required for male meiosis in rice. Developmental Cell, 2022, 57, 246-259.e4.	3.1	20
95	Isolation and characterization of the orchid cytokinin oxidase DSCKX1 promoter. Journal of Experimental Botany, 2002, 53, 1899-1907.	2.4	19
96	A novel Arabidopsis gene RGAT1 is required for GAâ€mediated tapetum and pollen development. New Phytologist, 2021, 231, 137-151.	3.5	19
97	The OsFTIP6-OsHB22-OsMYBR57 module regulates drought response in rice. Molecular Plant, 2022, 15, 1227-1242.	3.9	19
98	Cloning and characterization of Arabidopsis and Brassica juncea flavin-containing amine oxidases. Journal of Experimental Botany, 2006, 57, 4155-4169.	2.4	17
99	Phase separation of HRLP regulates flowering time in Arabidopsis. Science Advances, 2022, 8, .	4.7	17
100	Functional characterization of GI and CO homologs from Eriobotrya deflexa Nakai forma koshunensis. Plant Cell Reports, 2019, 38, 533-543.	2.8	16
101	The N-Terminal Acetyltransferase Naa50 Regulates Arabidopsis Growth and Osmotic Stress Response. Plant and Cell Physiology, 2020, 61, 1565-1575.	1.5	16
102	DOTFL1 affects the floral transition in orchid Dendrobium Chao Praya Smile. Plant Physiology, 2021, 186, 2021-2036.	2.3	15
103	DNA Topoisomerase IÎ± Affects the Floral Transition. Plant Physiology, 2017, 173, 642-654.	2.3	14
104	AtPV42a and AtPV42b Redundantly Regulate Reproductive Development in Arabidopsis thaliana. PLoS ONE, 2011, 6, e19033.	1.1	13
105	Chromatin remodeling gene EZH2 involved in the genetic etiology of autism in Chinese Han population. Neuroscience Letters, 2016, 610, 182-186.	1.0	12
106	The tetratricopeptide repeat protein OsTPR075 promotes heading by regulating florigen transport in rice. Plant Cell, 2022, 34, 3632-3646.	3.1	12
107	An expanding list. Plant Signaling and Behavior, 2009, 4, 1142-1144.	1.2	10
108	Further evidence for the association between LRP8 and schizophrenia. Schizophrenia Research, 2020, 215, 499-505.	1.1	10

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109	Epitranscriptome engineering in crop improvement. Molecular Plant, 2021, 14, 1418-1420.	3.9	10
110	TOP1Î±, UPF1, and TTG2 regulate seed size in a parental dosageâ€“dependent manner. PLoS Biology, 2020, 18, e3000930.	2.6	10
111	Molecular genetic insights into orchid reproductive development. Journal of Experimental Botany, 2022, 73, 1841-1852.	2.4	10
112	Kilobase-scale genomic deletion of DOTFL1 in Dendrobium orchids. Journal of Genetics and Genomics, 2022, 49, 81-84.	1.7	8
113	The Arabidopsis USL1 controls multiple aspects of development by affecting late endosome morphology. New Phytologist, 2018, 219, 1388-1405.	3.5	7
114	Characterization of C- and D-Class MADS-Box Genes in Orchids. Plant Physiology, 2020, 184, 1469-1481.	2.3	7
115	Splicing-mediated activation of SHAGGY-like kinases underpinning carbon partitioning in Arabidopsis seeds. Plant Cell, 2022, 34, 2730-2746.	3.1	6
116	Molecular Characterization of Arabidopsis and Brassica juncea Cu/Zn-Superoxide Dismutases Reveals Their Regulation of Shoot Regeneration. Journal of Plant Growth Regulation, 2008, 27, 99-109.	2.8	5
117	J3 regulation of flowering time is mainly contributed by its activity in leaves. Plant Signaling and Behavior, 2011, 6, 601-603.	1.2	5
118	Association of chromosome 5q21.3 polymorphisms with the exploratory eye movement dysfunction in schizophrenia. Scientific Reports, 2015, 5, 10299.	1.6	4
119	New insights into centromeres from Arabidopsis Col-CEN assembly. Trends in Genetics, 2022, 38, 416-418.	2.9	2
120	DOH1, a Class 1 knox Gene, Is Required for Maintenance of the Basic Plant Architecture and Floral Transition in Orchid. Plant Cell, 2000, 12, 2143.	3.1	0