Yuehui He

List of Publications by Year in Descending Order

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62 papers	5,727 citations	35 h-index	75 g-index
90 ext. papers	6,998 ext. citations	11.9 avg, IF	6.02 L-index

#	Paper	IF	Citations
62	Exploring a blue-light-sensing transcription factor to double the peak productivity of oil in Nannochloropsis oceanica.. *Nature Communications*, **2022**, 13, 1664	17.4	0
61	Genome engineering of Nannochloropsis with hundred-kilobase fragment deletions by Cas9 cleavages. *Plant Journal*, **2021**, 106, 1148-1162	6.9	6
60	JASMONATE-ZIM DOMAIN proteins engage Polycomb chromatin modifiers to modulate Jasmonate signaling in Arabidopsis. *Molecular Plant*, **2021**, 14, 732-747	14.4	6
59	Culture-Free Identification and Metabolic Profiling of Microalgal Single Cells via Ensemble Learning of Ramanomes. *Analytical Chemistry*, **2021**, 93, 8872-8880	7.8	3
58	Structural insights into the multivalent binding of the Arabidopsis FLOWERING LOCUS T promoter by the CO-NF-Y master transcription factor complex. *Plant Cell*, **2021**, 33, 1182-1195	11.6	8
57	TEM1 combinatorially binds to and recruits a Polycomb factor to repress the floral transition in. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	3
56	Intra-Ramanome Correlation Analysis Unveils Metabolite Conversion Network from an Isogenic Population of Cells. *MBio*, **2021**, 12, e0147021	7.8	1
55	Molecular Genetic Understanding of Photoperiodic Regulation of Flowering Time in and Soybean.. *International Journal of Molecular Sciences*, **2021**, 23,	6.3	2
54	Foxtail mosaic virus-induced flowering assays in monocot crops. *Journal of Experimental Botany*, **2020**, 71, 3012-3023	7	6
53	Roles of Brassinosteroids in Plant Reproduction. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	20
52	HISTONE DEACETYLASE 9 Functions with Polycomb Silencing to Repress Expression. *Plant Physiology*, **2020**, 182, 555-565	6.6	21
51	Experiencing winter for spring flowering: A molecular epigenetic perspective on vernalization. *Journal of Integrative Plant Biology*, **2020**, 62, 104-117	8.3	36
50	Genetic and Epigenetic Understanding of the Seasonal Timing of Flowering. *Plant Communications*, **2020**, 1, 100008	9	14
49	Maternal transmission of the epigenetic Umemory of winter coldUin Arabidopsis. *Nature Plants*, **2020**, 6, 1211-1218	11.5	16
48	Arabidopsis PEAPODs function with LIKE HETEROCHROMATIN PROTEIN1 to regulate lateral organ growth. *Journal of Integrative Plant Biology*, **2020**, 62, 812-831	8.3	9
47	Feedback Regulation of FLC by FLOWERING LOCUS T (FT) and FD through a 5UFLC Promoter Region in Arabidopsis. *Molecular Plant*, **2019**, 12, 285-288	14.4	17
46	SIN3 LIKE genes mediate long-day induction of flowering but inhibit the floral transition in short days through histone deacetylation in Arabidopsis. *Plant Journal*, **2019**, 100, 101-113	6.9	7

45	Ramanome technology platform for label-free screening and sorting of microbial cell factories at single-cell resolution. *Biotechnology Advances*, **2019**, 37, 107388	17.8	33
44	PRC2 recruitment and H3K27me3 deposition at require FCA binding of. *Science Advances*, **2019**, 5, eaau7246	14.9	49
43	Embryonic resetting of the parental vernalized state by two B3 domain transcription factors in Arabidopsis. *Nature Plants*, **2019**, 5, 424-435	11.5	31
42	: old genes with new roles beyond seed development. *F1000Research*, **2019**, 8,	3.6	2
41	The NUCLEAR FACTOR-CONSTANS complex antagonizes Polycomb repression to de-repress FLOWERING LOCUS T expression in response to inductive long days in Arabidopsis. *Plant Journal*, **2018**, 95, 17-29	6.9	33
40	Polycomb-mediated gene silencing by the BAH-EMF1 complex in plants. *Nature Genetics*, **2018**, 50, 1254-1261	36.9	52
39	Brassinosteroid Signaling Recruits Histone 3 Lysine-27 Demethylation Activity to FLOWERING LOCUS C Chromatin to Inhibit the Floral Transition in Arabidopsis. *Molecular Plant*, **2018**, 11, 1135-1146	14.4	35
38	Epigenetic Environmental Memories in Plants: Establishment, Maintenance, and Reprogramming. *Trends in Genetics*, **2018**, 34, 856-866	8.5	73
37	FRIGIDA establishes a local chromosomal environment for FLOWERING LOCUS C mRNA production. *Nature Plants*, **2018**, 4, 836-846	11.5	58
36	Embryonic epigenetic reprogramming by a pioneer transcription factor in plants. *Nature*, **2017**, 551, 124-128	50.4	96
35	Label-free, simultaneous quantification of starch, protein and triacylglycerol in single microalgal cells. *Biotechnology for Biofuels*, **2017**, 10, 275	7.8	30
34	A cis cold memory element and a trans epigenome reader mediate Polycomb silencing of FLC by vernalization in Arabidopsis. *Nature Genetics*, **2016**, 48, 1527-1534	36.3	107
33	Coupling of histone methylation and RNA processing by the nuclear mRNA cap-binding complex. *Nature Plants*, **2016**, 2, 16015	11.5	21
32	Enabling photoperiodic control of flowering by timely chromatin silencing of the florigen gene. *Nucleus*, **2015**, 6, 179-82	3.9	5
31	A histone H3 lysine-27 methyltransferase complex represses lateral root formation in Arabidopsis thaliana. *Molecular Plant*, **2014**, 7, 977-988	14.4	31
30	Photoperiodic control of the floral transition through a distinct polycomb repressive complex. *Developmental Cell*, **2014**, 28, 727-36	10.2	95
29	A matrix protein silences transposons and repeats through interaction with retinoblastoma-associated proteins. *Current Biology*, **2013**, 23, 345-50	6.3	34
28	Arabidopsis FLC clade members form flowering-repressor complexes coordinating responses to endogenous and environmental cues. *Nature Communications*, **2013**, 4, 1947	17.4	127

27	Photoperiodic regulation of flowering time through periodic histone deacetylation of the florigen gene FT. *PLoS Biology*, **2013**, 11, e1001649	9.7	56
26	Flowering and genome integrity control by a nuclear matrix protein in Arabidopsis. *Nucleus*, **2013**, 4, 274-6	3.9	5
25	Chromatin regulation of flowering. *Trends in Plant Science*, **2012**, 17, 556-62	13.1	125
24	□Actinin4 nuclear translocation mediates gonadotropin-releasing hormone stimulation of follicle-stimulating hormone □subunit gene transcription in L□T2 cells. *FEBS Letters*, **2012**, 586, 1466-71	3.8	2
23	Arabidopsis COMPASS-like complexes mediate histone H3 lysine-4 trimethylation to control floral transition and plant development. *PLoS Genetics*, **2011**, 7, e1001330	6	105
22	Arabidopsis homologs of retinoblastoma-associated protein 46/48 associate with a histone deacetylase to act redundantly in chromatin silencing. *PLoS Genetics*, **2011**, 7, e1002366	6	67
21	A plant-specific histone H3 lysine 4 demethylase represses the floral transition in Arabidopsis. *Plant Journal*, **2010**, 62, 663-73	6.9	84
20	Establishment of the winter-annual growth habit via FRIGIDA-mediated histone methylation at FLOWERING LOCUS C in Arabidopsis. *Plant Cell*, **2009**, 21, 1733-46	11.6	115
19	Repression of the floral transition via histone H2B monoubiquitination. *Plant Journal*, **2009**, 57, 522-33	6.9	102
18	Control of the transition to flowering by chromatin modifications. *Molecular Plant*, **2009**, 2, 554-564	14.4	110
17	Repression of FLOWERING LOCUS C and FLOWERING LOCUS T by the Arabidopsis Polycomb repressive complex 2 components. *PLoS ONE*, **2008**, 3, e3404	3.7	212
16	Arabidopsis relatives of the human lysine-specific Demethylase1 repress the expression of FWA and FLOWERING LOCUS C and thus promote the floral transition. *Plant Cell*, **2007**, 19, 2975-87	11.6	172
15	Evolutionary conservation of the FLOWERING LOCUS C-mediated vernalization response: evidence from the sugar beet (Beta vulgaris). *Genetics*, **2007**, 176, 295-307	4	110
14	The transcription factor FLC confers a flowering response to vernalization by repressing meristem competence and systemic signaling in Arabidopsis. *Genes and Development*, **2006**, 20, 898-912	12.6	567
13	Epigenetic maintenance of the vernalized state in Arabidopsis thaliana requires LIKE HETEROCHROMATIN PROTEIN 1. *Nature Genetics*, **2006**, 38, 706-10	36.3	257
12	Role of chromatin modification in flowering-time control. *Trends in Plant Science*, **2005**, 10, 30-5	13.1	229
11	Establishment of the vernalization-responsive, winter-annual habit in Arabidopsis requires a putative histone H3 methyl transferase. *Plant Cell*, **2005**, 17, 3301-10	11.6	170
10	siRNAs targeting an intronic transposon in the regulation of natural flowering behavior in Arabidopsis. *Genes and Development*, **2004**, 18, 2873-8	12.6	173

9	A novel zinc-finger protein with a proline-rich domain mediates ABA-regulated seed dormancy in Arabidopsis. *Plant Molecular Biology*, **2004**, 54, 1-9	4.6	49
8	PAF1-complex-mediated histone methylation of FLOWERING LOCUS C chromatin is required for the vernalization-responsive, winter-annual habit in Arabidopsis. *Genes and Development*, **2004**, 18, 2774-84	12.6	228
7	Attenuation of FLOWERING LOCUS C activity as a mechanism for the evolution of summer-annual flowering behavior in Arabidopsis. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 10102-7	11.5	282
6	Regulation of flowering time by histone acetylation in Arabidopsis. *Science*, **2003**, 302, 1751-4	33.3	385
5	Evidence supporting a role of jasmonic acid in Arabidopsis leaf senescence. *Plant Physiology*, **2002**, 128, 876-84	6.6	521
4	A gene encoding an acyl hydrolase is involved in leaf senescence in Arabidopsis. *Plant Cell*, **2002**, 14, 805-15	11.6	179
3	Identical promoter elements are involved in regulation of the OPR1 gene by senescence and jasmonic acid in Arabidopsis. *Plant Molecular Biology*, **2001**, 47, 595-605	4.6	77
2	Bidirectionalization of polar promoters in plants. *Nature Biotechnology*, **2001**, 19, 677-9	44.5	61
1	Networking senescence-regulating pathways by using Arabidopsis enhancer trap lines. *Plant Physiology*, **2001**, 126, 707-16	6.6	197