Keqiang Wu

List of Publications by Citations

120 papers	6,521 citations	45 h-index	78 g-index
130 ext. papers	8,162 ext. citations	6.5 avg, IF	5.74 L-index

#	Paper	IF	Citations
120	HISTONE DEACETYLASE19 is involved in jasmonic acid and ethylene signaling of pathogen response in Arabidopsis. *Plant Cell*, **2005**, 17, 1196-204	11.6	329
119	The GA5 locus of Arabidopsis thaliana encodes a multifunctional gibberellin 20-oxidase: molecular cloning and functional expression. *Proceedings of the National Academy of Sciences of the United States of America*, **1995**, 92, 6640-4	11.5	248
118	Arabidopsis ERF4 is a transcriptional repressor capable of modulating ethylene and abscisic acid responses. *Plant Molecular Biology*, **2005**, 58, 585-96	4.6	246
117	Disruption mutations of ADA2b and GCN5 transcriptional adaptor genes dramatically affect Arabidopsis growth, development, and gene expression. *Plant Cell*, **2003**, 15, 626-38	11.6	231
116	Involvement of Arabidopsis histone deacetylase HDA6 in ABA and salt stress response. *Journal of Experimental Botany*, **2010**, 61, 3345-53	7	229
115	HDA6 is required for jasmonate response, senescence and flowering in Arabidopsis. *Journal of Experimental Botany*, **2008**, 59, 225-34	7	224
114	Identification of AtHD2C as a novel regulator of abscisic acid responses in Arabidopsis. *Plant Journal*, **2006**, 46, 124-33	6.9	221
113	HD2C interacts with HDA6 and is involved in ABA and salt stress response in Arabidopsis. *Journal of Experimental Botany*, **2012**, 63, 3297-306	7	172
112	HISTONE DEACETYLASE6 interacts with FLOWERING LOCUS D and regulates flowering in Arabidopsis. *Plant Physiology*, **2011**, 156, 173-84	6.6	145
111	Transcriptional repression by histone deacetylases in plants. *Molecular Plant*, **2014**, 7, 764-72	14.4	143
110	Induction of jasmonate signalling regulators MaMYC2s and their physical interactions with MaICE1 in methyl jasmonate-induced chilling tolerance in banana fruit. *Plant, Cell and Environment*, **2013**, 36, 30-51	8.4	143
109	Role of histone deacetylases HDA6 and HDA19 in ABA and abiotic stress response. *Plant Signaling and Behavior*, **2010**, 5, 1318-20	2.5	140
108	Functional analysis of HD2 histone deacetylase homologues in Arabidopsis thaliana. *Plant Journal*, **2000**, 22, 19-27	6.9	139
107	Chromatin modifications and remodeling in plant abiotic stress responses. *Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms*, **2012**, 1819, 129-36	6	136
106	PHYTOCHROME INTERACTING FACTOR3 associates with the histone deacetylase HDA15 in repression of chlorophyll biosynthesis and photosynthesis in etiolated Arabidopsis seedlings. *Plant Cell*, **2013**, 25, 1258-73	11.6	133
105	Concerted genomic targeting of H3K27 demethylase REF6 and chromatin-remodeling ATPase BRM in Arabidopsis. *Nature Genetics*, **2016**, 48, 687-93	36.3	122
104	Molecular cloning and photoperiod-regulated expression of gibberellin 20-oxidase from the long-day plant spinach. *Plant Physiology*, **1996**, 110, 547-54	6.6	119

103	HDA6 directly interacts with DNA methyltransferase MET1 and maintains transposable element silencing in Arabidopsis. *Plant Physiology*, **2012**, 158, 119-29	6.6	115
102	Banana Transcription Factor MaERF11 Recruits Histone Deacetylase MaHDA1 and Represses the Expression of MaACO1 and Expansins during Fruit Ripening. *Plant Physiology*, **2016**, 171, 1070-84	6.6	113
101	HISTONE DEACETYLASE19 interacts with HSL1 and participates in the repression of seed maturation genes in Arabidopsis seedlings. *Plant Cell*, **2013**, 25, 134-48	11.6	107
100	Expression and function of HD2-type histone deacetylases in Arabidopsis development. *Plant Journal*, **2004**, 38, 715-24	6.9	107
99	Molecular characterization of a rice metal tolerance protein, OsMTP1. *Plant Cell Reports*, **2012**, 31, 67-79	5.1	105
98	Environmental History Modulates Arabidopsis Pattern-Triggered Immunity in a HISTONE ACETYLTRANSFERASE1-Dependent Manner. *Plant Cell*, **2014**, 26, 2676-2688	11.6	98
97	Sequence and expression analysis of histone deacetylases in rice. *Biochemical and Biophysical Research Communications*, **2007**, 356, 843-50	3.4	90
96	Involvement of histone modifications in plant abiotic stress responses. *Journal of Integrative Plant Biology*, **2013**, 55, 892-901	8.3	86
95	Functional analysis of a RPD3 histone deacetylase homologue in Arabidopsis thaliana. *Plant Molecular Biology*, **2000**, 44, 167-76	4.6	86
94	Phenotypic analysis of genes encoding yeast zinc cluster proteins. *Nucleic Acids Research*, **2001**, 29, 2181-90	11.1	75
93	Functional Analysis of Tomato Pti4 in Arabidopsis. *Plant Physiology*, **2002**, 128, 30-37	6.6	74
92	Histone deacetylase HDA6 is functionally associated with AS1 in repression of KNOX genes in arabidopsis. *PLoS Genetics*, **2012**, 8, e1003114	6	72
91	Overexpression of AtOGG1, a DNA glycosylase/AP lyase, enhances seed longevity and abiotic stress tolerance in Arabidopsis. *Journal of Experimental Botany*, **2012**, 63, 4107-21	7	68
90	Phylogenetic analysis, subcellular localization, and expression patterns of RPD3/HDA1 family histone deacetylases in plants. *BMC Plant Biology*, **2009**, 9, 37	5.3	68
89	The Arabidopsis SWI2/SNF2 chromatin Remodeler BRAHMA regulates polycomb function during vegetative development and directly activates the flowering repressor gene SVP. *PLoS Genetics*, **2015**, 11, e1004944	6	65
88	Arabidopsis thaliana transcriptional co-activators ADA2b and SGF29a are implicated in salt stress responses. *Planta*, **2011**, 233, 749-62	4.7	65
87	Advanced glycation end product (AGE) accumulation on Bruch's membrane: links to age-related RPE dysfunction **2009**, 50, 441-51		65
86	Histone acetyltransferases in rice (Oryza sativa L.): phylogenetic analysis, subcellular localization and expression. *BMC Plant Biology*, **2012**, 12, 145	5.3	64

85	The Arabidopsis SWI2/SNF2 Chromatin Remodeling ATPase BRAHMA Targets Directly to PINs and Is Required for Root Stem Cell Niche Maintenance. *Plant Cell*, **2015**, 27, 1670-80	11.6	63
84	Nitric Oxide Modulates Histone Acetylation at Stress Genes by Inhibition of Histone Deacetylases. *Plant Physiology*, **2017**, 173, 1434-1452	6.6	61
83	Repression of gene expression by Arabidopsis HD2 histone deacetylases. *Plant Journal*, **2003**, 34, 241-7	6.9	61
82	Regulation of flowering time by the histone deacetylase HDA5 in Arabidopsis. *Plant Journal*, **2015**, 82, 925-936	6.9	57
81	Histone deacetylase HD2 interacts with ERF1 and is involved in longan fruit senescence. *Journal of Experimental Botany*, **2012**, 63, 441-54	7	56
80	Proteomic and functional analyses of Nelumbo nucifera annexins involved in seed thermotolerance and germination vigor. *Planta*, **2012**, 235, 1271-88	4.7	54
79	Plant Responses to Abiotic Stress Regulated by Histone Deacetylases. *Frontiers in Plant Science*, **2017**, 8, 2147	6.2	53
78	Overexpression of Nelumbo nucifera metallothioneins 2a and 3 enhances seed germination vigor in Arabidopsis. *Planta*, **2012**, 235, 523-37	4.7	50
77	Arabidopsis NF-YCs Mediate the Light-Controlled Hypocotyl Elongation via Modulating Histone Acetylation. *Molecular Plant*, **2017**, 10, 260-273	14.4	49
76	Cytosolic acetyl-CoA promotes histone acetylation predominantly at H3K27 in Arabidopsis. *Nature Plants*, **2017**, 3, 814-824	11.5	46
75	The transcriptional regulatory network mediated by banana (Musa acuminata) dehydration-responsive element binding (MaDREB) transcription factors in fruit ripening. *New Phytologist*, **2017**, 214, 762-781	9.8	45
74	NnHSP17.5, a cytosolic class II small heat shock protein gene from Nelumbo nucifera, contributes to seed germination vigor and seedling thermotolerance in transgenic Arabidopsis. *Plant Cell Reports*, **2012**, 31, 379-89	5.1	45
73	Identification of HDA15-PIF1 as a key repression module directing the transcriptional network of seed germination in the dark. *Nucleic Acids Research*, **2017**, 45, 7137-7150	20.1	44
72	Arabidopsis histone demethylases LDL1 and LDL2 control primary seed dormancy by regulating DELAY OF GERMINATION 1 and ABA signaling-related genes. *Frontiers in Plant Science*, **2015**, 6, 159	6.2	43
71	Research progresses on GH3s, one family of primary auxin-responsive genes. *Plant Growth Regulation*, **2008**, 56, 225-232	3.2	41
70	Arabidopsis BREVIPEDICELLUS interacts with the SWI2/SNF2 chromatin remodeling ATPase BRAHMA to regulate KNAT2 and KNAT6 expression in control of inflorescence architecture. *PLoS Genetics*, **2015**, 11, e1005125	6	40
69	HISTONE DEACETYLASE6 Acts in Concert with Histone Methyltransferases SUVH4, SUVH5, and SUVH6 to Regulate Transposon Silencing. *Plant Cell*, **2017**, 29, 1970-1983	11.6	39
68	Two Arabidopsis orthologs of the transcriptional coactivator ADA2 have distinct biological functions. *Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms*, **2009**, 1789, 117-24	6	39

67	Subcellular localization of class II HDAs in Arabidopsis thaliana: nucleocytoplasmic shuttling of HDA15 is driven by light. *PLoS ONE*, **2012**, 7, e30846	3.7	38
66	Identification and characterization of histone deacetylases in tomato (Solanum lycopersicum). *Frontiers in Plant Science*, **2014**, 5, 760	6.2	37
65	HY5 Interacts with the Histone Deacetylase HDA15 to Repress Hypocotyl Cell Elongation in Photomorphogenesis. *Plant Physiology*, **2019**, 180, 1450-1466	6.6	36
64	Transcriptional profiling in cadmium-treated rice seedling roots using suppressive subtractive hybridization. *Plant Physiology and Biochemistry*, **2012**, 50, 79-86	5.4	36
63	The histone deacetylase HDA19 controls root cell elongation and modulates a subset of phosphate starvation responses in Arabidopsis. *Scientific Reports*, **2015**, 5, 15708	4.9	36
62	The Arabidopsis LDL1/2-HDA6 histone modification complex is functionally associated with CCA1/LHY in regulation of circadian clock genes. *Nucleic Acids Research*, **2018**, 46, 10669-10681	20.1	34
61	Isolation of peanut genes encoding arachins and conglutins by expressed sequence tags. *Plant Science*, **2005**, 169, 439-445	5.3	32
60	Arabidopsis DNA methyltransferase AtDNMT2 associates with histone deacetylase AtHD2s activity. *Biochemical and Biophysical Research Communications*, **2010**, 396, 187-92	3.4	30
59	The histone acetyltransferase GCN5 affects the inflorescence meristem and stamen development in Arabidopsis. *Planta*, **2009**, 230, 1207-21	4.7	30
58	ISSR analysis of genetic diversity in sacred lotus cultivars. *Aquatic Botany*, **2008**, 89, 311-316	1.8	29
57	Functional analysis of tomato Pti4 in Arabidopsis. *Plant Physiology*, **2002**, 128, 30-7	6.6	28
56	A SUMO Ligase AtMMS21 Regulates the Stability of the Chromatin Remodeler BRAHMA in Root Development. *Plant Physiology*, **2017**, 173, 1574-1582	6.6	26
55	Histone demethylase SlJMJ6 promotes fruit ripening by removing H3K27 methylation of ripening-related genes in tomato. *New Phytologist*, **2020**, 227, 1138-1156	9.8	24
54	A valine-resistant mutant ofArabidopsis thaliana displays an acetolactate synthase with altered feedback control. *Planta*, **1994**, 192, 249-255	4.7	23
53	Genome-Wide Analysis of Gene Regulatory Networks of the FVE-HDA6-FLD Complex in Arabidopsis. *Frontiers in Plant Science*, **2016**, 7, 555	6.2	23
52	The COMPASS-Like Complex Promotes Flowering and Panicle Branching in Rice. *Plant Physiology*, **2018**, 176, 2761-2771	6.6	22
51	HD2 proteins interact with RPD3-type histone deacetylases. *Plant Signaling and Behavior*, **2012**, 7, 608-10	2.5	22
50	Characterization and promoter activity of chromoplast specific carotenoid associated gene (CHRC) from Oncidium Gower Ramsey. *Biotechnology Letters*, **2008**, 30, 1861-6	3	22

49	Histone Lysine Demethylases and Their Functions in Plants. *Plant Molecular Biology Reporter*, **2014**, 32, 558-565	1.7	21
48	Epigenetic interplay of histone modifications and DNA methylation mediated by HDA6. *Plant Signaling and Behavior*, **2012**, 7, 633-5	2.5	21
47	CHB2, a member of the SWI3 gene family, is a global regulator in Arabidopsis. *Plant Molecular Biology*, **2003**, 52, 1125-34	4.6	21
46	The LDL1/2-HDA6 Histone Modification Complex Interacts With TOC1 and Regulates the Core Circadian Clock Components in. *Frontiers in Plant Science*, **2019**, 10, 233	6.2	19
45	The Arabidopsis ortholog of the YEATS domain containing protein YAF9a regulates flowering by controlling H4 acetylation levels at the FLC locus. *Plant Science*, **2012**, 196, 44-52	5.3	19
44	Creation and analysis of a novel chimeric promoter for the complete containment of pollen- and seed-mediated gene flow. *Plant Cell Reports*, **2008**, 27, 995-1004	5.1	19
43	Expression of hydroxytyrosol and oleuropein biosynthetic genes are correlated with metabolite accumulation during fruit development in olive, Olea europaea, cv. Koroneiki. *Plant Physiology and Biochemistry*, **2018**, 128, 41-49	5.4	18
42	SWI3B and HDA6 interact and are required for transposon silencing in Arabidopsis. *Plant Journal*, **2020**, 102, 809-822	6.9	18
41	Gene expression analysis of germinating rice seeds responding to high hydrostatic pressure. *Journal of Plant Physiology*, **2008**, 165, 1855-64	3.6	17
40	Histone deacetylases HDA6 and HDA9 coordinately regulate valve cell elongation through affecting auxin signaling in Arabidopsis. *Biochemical and Biophysical Research Communications*, **2019** , 508, 695-700	3.4	17
39	The histone acetyltransferase GCN5 and the transcriptional coactivator ADA2b affect leaf development and trichome morphogenesis in Arabidopsis. *Planta*, **2018**, 248, 613-628	4.7	17
38	Synergistic action of GCN5 and CLAVATA1 in the regulation of gynoecium development in Arabidopsis thaliana. *New Phytologist*, **2018**, 220, 593-608	9.8	15
37	Regulation of oleosin expression in developing peanut (Arachis hypogaea L.) embryos through nucleosome loss and histone modifications. *Journal of Experimental Botany*, **2009**, 60, 4371-82	7	15
36	Roles of the INO80 and SWR1 Chromatin Remodeling Complexes in Plants. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	14
35	Arabidopsis thaliana TBP-associated factor 5 is essential for plant growth and development. *Molecular Breeding*, **2012**, 30, 355-366	3.4	14
34	The cryptic enhancer elements of the tCUP promoter. *Plant Molecular Biology*, **2003**, 51, 351-62	4.6	14
33	Adropin induction of lipoprotein lipase expression in tilapia hepatocytes. *Journal of Molecular Endocrinology*, **2016**, 56, 11-22	4.5	13
32	Synergistic action of histone acetyltransferase GCN5 and receptor CLAVATA1 negatively affects ethylene responses in Arabidopsis thaliana. *Journal of Experimental Botany*, **2016**, 67, 905-18	7	13

31	The expression of manganese superoxide dismutase gene from Nelumbo nucifera responds strongly to chilling and oxidative stresses. *Journal of Integrative Plant Biology*, **2009**, 51, 279-86	8.3	13
30	Epigenetic regulation of peanut allergen gene Ara h 3 in developing embryos. *Planta*, **2010**, 231, 1049-60	4.7	13
29	Arabidopsis JMJ29 is involved in trichome development by regulating the core trichome initiation gene GLABRA3. *Plant Journal*, **2020**, 103, 1735-1743	6.9	13
28	Histone Acetylation and Plant Development. *The Enzymes*, **2016**, 40, 173-199	2.3	13
27	The role of transcriptional coactivator ADA2b in Arabidopsis abiotic stress responses. *Plant Signaling and Behavior*, **2011**, 6, 1475-8	2.5	12
26	Quantitative DNA methylation and recurrence of breast cancer: a study of 30 candidate genes. *Cancer Biomarkers*, **2012**, 11, 75-88	3.8	12
25	Functional Analysis of Tomato Pti4 in Arabidopsis,		11
24	HDA6-dependent histone deacetylation regulates mRNA polyadenylation in. *Genome Research*, **2020**, 30, 1407-1417	9.7	11
23	Histone acetylation accompanied with promoter sequences displaying differential expression profiles of B-class MADS-box genes for phalaenopsis floral morphogenesis. *PLoS ONE*, **2014**, 9, e106033	3.7	9
22	Activity of elements from the tobacco cryptic promoter, tCUP, in conifer tissues. *In Vitro Cellular and Developmental Biology - Plant*, **2003**, 39, 193-202	2.3	7
21	The Plant Circadian Clock and Chromatin Modifications. *Genes*, **2018**, 9,	4.2	7
20	Comparative Analysis of SWIRM Domain-Containing Proteins in Plants. *Comparative and Functional Genomics*, **2012**, 2012, 310402		6
19	Identification and Characterization of Tomato SWI3-Like Proteins: Overexpression of Increases the Leaf Size in Transgenic. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	4
18	The expression of long non-coding RNAs is associated with H3Ac and H3K4me2 changes regulated by the HDA6-LDL1/2 histone modification complex in. *NAR Genomics and Bioinformatics*, **2020**, 2, lqaa066	3.7	4
17	Analysis and use of the tobacco eIF4A-10 promoter elements for transgene expression. *Journal of Plant Physiology*, **2005**, 162, 1355-66	3.6	3
16	Structure of Arabidopsis HISTONE DEACETYLASE15. *Plant Physiology*, **2020**, 184, 1585-1600	6.6	3
15	Identification and Expression Analysis of Snf2 Family Proteins in Tomato (). *International Journal of Genomics*, **2019**, 2019, 5080935	2.5	2
14	Role of Epigenetic Modifications in Plant Responses to Environmental Stresses **2015**, 81-92		2

13	Research on Two-dimensional Cutting Problem with Defects **2019**,		2
12	The Arabidopsis histone demethylase JMJ28 regulates CONSTANS by interacting with FBH transcription factors. *Plant Cell*, **2021**, 33, 1196-1211	11.6	2
11	Construction of regional geoid using a virtual spherical harmonics model. *Journal of Applied Geodesy*, **2019**, 13, 151-158	0.9	1
10	An adaptive dual control framework for QoS design. *Cluster Computing*, **2007**, 10, 217-228	2.1	1
9	SUMO E3 Ligase SIZ1 Interacts with HDA6 and Negatively Regulates HDA6 Function during Flowering. *Cells*, **2021**, 10,	7.9	1
8	Dawsonite and ankerite formation in the LDX-1 structure, Yinggehai basin, South China sea: An analogy for carbon mineralization in subsurface sandstone aquifers. *Applied Geochemistry*, **2020**, 120, 104663	3.5	1
7	The Effect of Low Temperature on Physiological, Biochemical and Flowering Functions of Olive Tree in Relation to Genotype. *Sustainability*, **2020**, 12, 10065	3.6	1
6	The Transcriptional Adaptor Protein ADA3a Modulates Flowering of. *Cells*, **2021**, 10,	7.9	1
5	Histone acetylation: a requirement for petunia floral scent. *Journal of Experimental Botany*, **2021**, 72, 3493-3495	7	0
4	Control of Gene Expression by Histone Deacetylases **2003**, 211-214		
3	Two Arabidopsis orthologs of the transcriptional coactivator ADA2 have distinct biological functions. *FASEB Journal*, **2006**, 20, A1343	0.9	
2	Repression of Plant Gene Expression via Chromosomal Remodelling Using Histone Deacetylases **2007**, 125-128		
1	DNA Barcoding of St.□John□s wort (Hypericum spp.) Growing Wild in North-Eastern Greece. *Planta Medica*, **2021**, 87, 528-537	3.1	