# Xin-Jian He

List of Publications by Year
in descending order



| 54 | 4,778 | 147801 31 | 161849 54 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 54 | 54 | 54 | 5953 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The Arabidopsis NFYA5 Transcription Factor Is Regulated Transcriptionally and Posttranscriptionally to Promote Drought Resistance. Plant Cell, 2008, 20, 2238-2251. | 6.6 | 812 |
| 2 | AtNAC2, a transcription factor downstream of ethylene and auxin signaling pathways, is involved in salt stress response and lateral root development. Plant Journal, 2005, 44, 903-916. | 5.7 | 634 |
| 3 | Modulation of Ethylene Responses Affects Plant Salt-Stress Responses. Plant Physiology, 2007, 143, 707-719. | 4.8 | 474 |
| 4 | Regulation and function of DNA methylation in plants and animals. Cell Research, 2011, 21, 442-465. | 12.0 | 421 |
| 5 | An Effector of RNA-Directed DNA Methylation in Arabidopsis Is an ARGONAUTE 4- and RNA-Binding Protein. Cell, 2009, 137, 498-508. | 28.9 | 220 |
| 6 | DTF1 is a core component of RNA-directed DNA methylation and may assist in the recruitment of Pol IV. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 8290-8295. | 7.1 | 158 |
| 7 | The SET Domain Proteins SUVH2 and SUVH9 Are Required for Pol V Occupancy at RNA-Directed DNA Methylation Loci. PLoS Genetics, 2014, 10, e1003948. | 3.5 | 152 |
| 8 | A Dicer-Independent Route for Biogenesis of siRNAs that Direct DNA Methylation in Arabidopsis. Molecular Cell, 2016, 61, 222-235. | 9.7 | 134 |
| 9 | NRPD4, a protein related to the RPB4 subunit of RNA polymerase II, is a component of RNA polymerases IV and V and is required for RNA-directed DNA methylation. Genes and Development, 2009, 23, 318-330. | 5.9 | 126 |
| 10 | A rice transcription factor OsbHLH1 is involved in cold stress response. Theoretical and Applied Genetics, 2003, 107, 1402-1409. | 3.6 | 106 |
| 11 | Two novel NAC transcription factors regulate gene expression and flowering time by associating with the histone demethylase JMJ14. Nucleic Acids Research, 2015, 43, 1469-1484. | 14.5 | 94 |
| 12 | A conserved transcriptional regulator is required for RNA-directed DNA methylation and plant development. Genes and Development, 2009, 23, 2717-2722. | 5.9 | 92 |
| 13 | Identification of novel Yap1p and Skn7p binding sites involved in the oxidative stress response of Saccharomyces cerevisiae. Molecular Microbiology, 2005, 58, 1454-1467. | 2.5 | 80 |
| 14 | Arabidopsis AGDP1 links H3K9me2 to DNA methylation in heterochromatin. Nature Communications, 2018, 9, 4547. | 12.8 | 66 |
| 15 | A Pre-mRNA-Splicing Factor Is Required for RNA-Directed DNA Methylation in Arabidopsis. PLoS Genetics, 2013, 9, e1003779. | 3.5 | 58 |
| 16 | A plantâ€specific SWR1 chromatinâ€remodeling complex couples histone H2A.Z deposition with nucleosome sliding. EMBO Journal, 2020, 39, e102008. | 7.8 | 57 |
| 17 | An SGS3-like protein functions in RNA-directed DNA methylation and transcriptional gene silencing in Arabidopsis. Plant Journal, 2010, 62, 92-99. | 5.7 | 55 |
| 18 | Folate Polyglutamylation Is Involved in Chromatin Silencing by Maintaining Global DNA Methylation and Histone H3K9 Dimethylation in Arabidopsis. Plant Cell, 2013, 25, 2545-2559. | 6.6 | 54 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | <scp>RDM</scp>4 modulates cold stress resistance in Arabidopsis partially through the <scp>CBF</scp>â€mediated pathway. New Phytologist, 2016, 209, 1527-1539. | 7.3 | 54 |
| 20 | Oxidative Stress Function of the Saccharomyces cerevisiae Skn7 Receiver Domain. Eukaryotic Cell, 2009, 8, 768-778. | 3.4 | 53 |
| 21 | IDN2 and Its Paralogs Form a Complex Required for RNAâ€“Directed DNA Methylation. PLoS Genetics, 2012, 8, e1002693. | 3.5 | 52 |
| 22 | The splicing machinery promotes RNA-directed DNA methylation and transcriptional silencing in Arabidopsis. EMBO Journal, 2013, 32, 1128-1140. | 7.8 | 52 |
| 23 | DREAM complex suppresses DNA methylation maintenance genes and precludes DNA hypermethylation. Nature Plants, 2020, 6, 942-956. | 9.3 | 52 |
| 24 | The <scp>HDA</scp>19 histone deacetylase complex is involved in the regulation of flowering time in a photoperiodâ€dependent manner. Plant Journal, 2019, 98, 448-464. | 5.7 | 51 |
| 25 | A methylatedâ€DNAâ€binding complex required for plant development mediates transcriptional activation of promoter methylated genes. Journal of Integrative Plant Biology, 2019, 61, 120-139. | 8.5 | 45 |
| 26 | Two Components of the RNA-Directed DNA Methylation Pathway Associate with MORC6 and Silence Loci Targeted by MORC6 in Arabidopsis. PLoS Genetics, 2016, 12, e1006026. | 3.5 | 43 |
| 27 | The <scp>PEAT</scp> protein complexes are required for histone deacetylation and heterochromatin silencing. EMBO Journal, 2018, 37, . | 7.8 | 42 |
| 28 | The PRP6-like splicing factor STA1 is involved in RNA-directed DNA methylation by facilitating the production of Pol V-dependent scaffold RNAs. Nucleic Acids Research, 2013, 41, 8489-8502. | 14.5 | 40 |
| 29 | SUVR2 is involved in transcriptional gene silencing by associating with SNF2-related chromatin-remodeling proteins in Arabidopsis. Cell Research, 2014, 24, 1445-1465. | 12.0 | 38 |
| 30 | The Splicing Factor PRP31 Is Involved in Transcriptional Gene Silencing and Stress Response in Arabidopsis. Molecular Plant, 2015, 8, 1053-1068. | 8.3 | 36 |
| 31 | Dual Recognition of H3K4me3 and DNA by the ISWI Component ARID5 Regulates the Floral Transition in Arabidopsis. Plant Cell, 2020, 32, 2178-2195. | 6.6 | 34 |
| 32 | An atypical component of RNA-directed DNA methylation machinery has both DNA methylation-dependent and -independent roles in locus-specific transcriptional gene silencing. Cell Research, 2011, 21, 1691-1700. | 12.0 | 33 |
| 33 | The SUMO E3 Ligase-Like Proteins PIAL1 and PIAL2 Interact with MOM1 and Form a Novel Complex Required for Transcriptional Silencing. Plant Cell, 2016, 28, 1215-1229. | 6.6 | 31 |
| 34 | Spatial Expression and Characterization of a Putative Ethylene Receptor Protein NTHK1 in Tobacco. Plant and Cell Physiology, 2002, 43, 810-815. | 3.1 | 30 |
| 35 | The CBP/p300 histone acetyltransferases function as plantâ€specific MEDIATOR subunits in Arabidopsis. Journal of Integrative Plant Biology, 2021, 63, 755-771. | 8.5 | 29 |
| 36 | Non-Coding RNA Transcription and RNA-Directed DNA Methylation in Arabidopsis. Molecular Plant, 2014, 7, 1406-1414. | 8.3 | 28 |

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|---|---|---|---|
| 37 | Arabidopsis PWWP domain proteins mediate H3K27 trimethylation on FLC and regulate flowering time. Journal of Integrative Plant Biology, 2018, 60, 362-368. | 8.5 | 27 |
| 38 | Exogenously overexpressed intronic long noncoding RNAs activate host gene expression by affecting histone modification in Arabidopsis. Scientific Reports, 2020, 10, 3094. | 3.3 | 20 |
| 39 | Three functionally redundant plant-specific paralogs are core subunits of the SAGA histone acetyltransferase complex in Arabidopsis. Molecular Plant, 2021, 14, 1071-1087. | 8.3 | 20 |
| 40 | A histone H3K27me3 reader cooperates with a family of PHD fingerâ€containing proteins to regulate flowering time in Arabidopsis. Journal of Integrative Plant Biology, 2021, 63, 787-802. | 8.5 | 19 |
| 41 | Arabidopsis RPD3-like histone deacetylases form multiple complexes involved in stress response. Journal of Genetics and Genomics, 2021, 48, 369-383. | 3.9 | 18 |
| 42 | The Cytosolic Iron-Sulfur Cluster Assembly Protein MMS19 Regulates Transcriptional Gene Silencing, DNA Repair, and Flowering Time in Arabidopsis. PLoS ONE, 2015, 10, e0129137. | 2.5 | 17 |
| 43 | COMPASS functions as a module of the INO80 chromatin remodeling complex to mediate histone H3K4 methylation in Arabidopsis. Plant Cell, 2021, 33, 3250-3271. | 6.6 | 17 |
| 44 | The Arabidopsis NuA4 histone acetyltransferase complex is required for chlorophyll biosynthesis and photosynthesis. Journal of Integrative Plant Biology, 2022, 64, 901-914. | 8.5 | 17 |
| 45 | Characterization of a novel cell cycle-related gene from Arabidopsis. Journal of Experimental Botany, 2005, 56, 807-816. | 4.8 | 16 |
| 46 | The Arabidopsis acetylated histone-binding protein BRAT1 forms a complex with BRP1 and prevents transcriptional silencing. Nature Communications, 2016, 7, 11715. | 12.8 | 16 |
| 47 | The CCR4â€NOT complex component NOT1 regulates RNAâ€directed DNA methylation and transcriptional silencing by facilitating Pol Vâ€dependent siRNA production. Plant Journal, 2020, 103, 1503-1515. | 5.7 | 10 |
| 48 | Tetrahydrofolate Modulates Floral Transition through Epigenetic Silencing. Plant Physiology, 2017, 174, 1274-1284. | 4.8 | 9 |
| 49 | FHA2 is a plantâ€specific ISWI subunit responsible for stamen development and plant fertility. Journal of Integrative Plant Biology, 2020, 62, 1703-1716. | 8.5 | 9 |
| 50 | Characterization of an autonomous pathway complex that promotes flowering in Arabidopsis. Nucleic Acids Research, 2022, 50, 7380-7395. | 14.5 | 9 |
| 51 | Exploring potential roles for the interaction of MOM1 with SUMO and the SUMO E3 ligase-like protein PIAL2 in transcriptional silencing. PLoS ONE, 2018, 13, e0202137. | 2.5 | 5 |
| 52 | FVE promotes RNAâ€directed DNA methylation by facilitating the association of RNA polymerase V with chromatin. Plant Journal, 2021, 107, 467-479. | 5.7 | 5 |
| 53 | The RNA recognition motifâ€containing protein UBA2c prevents early flowering by promoting transcription of the flowering repressor FLM in Arabidopsis. New Phytologist, 2022, 233, 751-765. | 7.3 | 5 |
| 54 | Sumoylation of SUVR2 contributes to its role in transcriptional gene silencing. Science China Life Sciences, 2018, 61, 235-243. | 4.9 | 3 |