Wanlu Liu

List of Publications by Year
in descending order

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32 papers	2,597 citations	304743 22 h-index	414414 32 g-index
33 all docs	33 docs citations	33 times ranked	3642 citing authors

#	Article	IF	Citations
1	A One Precursor One siRNA Model for Pol IV-Dependent siRNA Biogenesis. Cell, 2015, 163, 445-455.	28.9	260
2	Naive Human Pluripotent Cells Feature a Methylation Landscape Devoid of Blastocyst or Germline Memory. Cell Stem Cell, 2016, 18, 323-329.	11.1	242
3	Site-specific manipulation of Arabidopsis loci using CRISPR-Cas9 SunTag systems. Nature Communications, 2019, 10, 729.	12.8	215
4	Targeted DNA demethylation of the Arabidopsis genome using the human TET1 catalytic domain. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E2125-E2134.	7.1	190
5	A DNA methylation reader complex that enhances gene transcription. Science, 2018, 362, 1182-1186.	12.6	181
6	TFAP2C regulates transcription in human naive pluripotency by opening enhancers. Nature Cell Biology, 2018, 20, 553-564.	10.3	134
7	Naive Human Embryonic Stem Cells Can Give Rise to Cells with a Trophoblast-like Transcriptome and Methylome. Stem Cell Reports, 2020, 15, 198-213.	4.8	129
8	Co-targeting RNA Polymerases IV and V Promotes Efficient De Novo DNA Methylation in Arabidopsis. Cell, 2019, 176, 1068-1082.e19.	28.9	124
9	Human Primordial Germ Cells Are Specified from Lineage-Primed Progenitors. Cell Reports, 2019, 29, 4568-4582.e5.	6.4	114
10	MORC1 represses transposable elements in the mouse male germline. Nature Communications, 2014, 5, 5795.	12.8	108
11	RNA-directed DNA methylation involves co-transcriptional small-RNA-guided slicing of polymerase V transcripts in Arabidopsis. Nature Plants, 2018, 4, 181-188.	9.3	106
12	DNA methylome of the 20-gigabase Norway spruce genome. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E8106-E8113.	7.1	85
13	Germline competency of human embryonic stem cells depends on eomesodermin‚Ä. Biology of Reproduction, 2017, 97, 850-861.	2.7	84
14	DNA methylation-linked chromatin accessibility affects genomic architecture in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	70
15	The TFAP2C-Regulated OCT4 Naive Enhancer Is Involved in Human Germline Formation. Cell Reports, 2018, 25, 3591-3602.e5.	6.4	60
16	Arabidopsis SWR1-associated protein methyl-CpG-binding domain 9 is required for histone H2A.Z deposition. Nature Communications, 2019, 10, 3352.	12.8	60
17	Classification of four distinct osteoarthritis subtypes with a knee joint tissue transcriptome atlas. Bone Research, 2020, 8, 38.	11.4	57
18	Multi-level Modulation of Light Signaling by GIGANTEA Regulates Both the Output and Pace of the Circadian Clock. Developmental Cell, 2019, 49, 840-851.e8.	7.0	53

#	Article	IF	Citations
19	Large-scale comparative epigenomics reveals hierarchical regulation of non-CG methylation in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E1069-E1074.	7.1	51
20	Arabidopsis AtMORC4 and AtMORC7 Form Nuclear Bodies and Repress a Large Number of Protein-Coding Genes. PLoS Genetics, 2016, 12, e1005998.	3.5	42
21	Mouse MORC3 is a GHKL ATPase that localizes to H3K4me3 marked chromatin. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E5108-16.	7.1	41
22	A Nucleosome Bridging Mechanism for Activation of a Maintenance DNA Methyltransferase. Molecular Cell, 2019, 73, 73-83.e6.	9.7	33
23	CryoEM structures of Arabidopsis DDR complexes involved in RNA-directed DNA methylation. Nature Communications, 2019, 10, 3916.	12.8	31
24	An Extended Culture System that Supports Human Primordial Germ Cell-like Cell Survival and Initiation of DNA Methylation Erasure. Stem Cell Reports, 2020, 14, 433-446.	4.8	30
25	Human reproduction is regulated by retrotransposons derived from ancient Hominidae-specific viral infections. Nature Communications, 2022, 13, 463.	12.8	24
26	Ectopic targeting of CG DNA methylation in Arabidopsis with the bacterial SssI methyltransferase. Nature Communications, 2021, 12, 3130.	12.8	20
27	Primate Primordial Germ Cells Acquire Transplantation Potential by Carnegie Stage 23. Stem Cell Reports, 2017, 9, 329-341.	4.8	18
28	RAD: a web application to identify region associated differentially expressed genes. Bioinformatics, 2021, 37, 2741-2743.	4.1	11
29	huARdb: human Antigen Receptor database for interactive clonotype-transcriptome analysis at the single-cell level. Nucleic Acids Research, 2022, 50, D1244-D1254.	14.5	10
30	Single cell analysis reveals inhibition of angiogenesis attenuates the progression of heterotopic ossification in Mkxâ^'/â^' mice. Bone Research, 2022, 10, 4.	11.4	7
31	Early-Stage Primary Anti-inflammatory Therapy Enhances the Regenerative Efficacy of Platelet-Rich Plasma in a Rabbit Achilles Tendinopathy Model. American Journal of Sports Medicine, 2021, 49, 3357-3371.	4.2	6
32	Identification of SRSF3 target mRNAs using inducible TRIBE. Biochemical and Biophysical Research Communications, 2021, 578, 21-27.	2.1	1