

Falong Lu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6377581/publications.pdf>

Version: 2024-02-01

41
papers

4,391
citations

201385

27
h-index

288905

40
g-index

55
all docs

55
docs citations

55
times ranked

5628
citing authors

#	ARTICLE	IF	CITATIONS
1	Histone Methylation in Higher Plants. <i>Annual Review of Plant Biology</i> , 2010, 61, 395-420.	8.6	526
2	Embryonic Development following Somatic Cell Nuclear Transfer Impeded by Persisting Histone Methylation. <i>Cell</i> , 2014, 159, 884-895.	13.5	382
3	Arabidopsis REF6 is a histone H3 lysine 27 demethylase. <i>Nature Genetics</i> , 2011, 43, 715-719.	9.4	351
4	Maternal H3K27me3 controls DNA methylation-independent imprinting. <i>Nature</i> , 2017, 547, 419-424.	13.7	349
5	Establishing Chromatin Regulatory Landscape during Mouse Preimplantation Development. <i>Cell</i> , 2016, 165, 1375-1388.	13.5	254
6	Role of Tet proteins in enhancer activity and telomere elongation. <i>Genes and Development</i> , 2014, 28, 2103-2119.	2.7	226
7	Tet3 and DNA Replication Mediate Demethylation of Both the Maternal and Paternal Genomes in Mouse Zygotes. <i>Cell Stem Cell</i> , 2014, 15, 459-471.	5.2	191
8	Comparative Analysis of JmjC Domain-containing Proteins Reveals the Potential Histone Demethylases in <i>Arabidopsis</i> and Rice. <i>Journal of Integrative Plant Biology</i> , 2008, 50, 886-896.	4.1	178
9	Arginine methylation mediated by the <i>Arabidopsis</i> homolog of PRMT5 is essential for proper pre-mRNA splicing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 19114-19119.	3.3	174
10	Histone Demethylase Expression Enhances Human Somatic Cell Nuclear Transfer Efficiency and Promotes Derivation of Pluripotent Stem Cells. <i>Cell Stem Cell</i> , 2015, 17, 758-766.	5.2	158
11	JMJ14 is an H3K4 demethylase regulating flowering time in <i>Arabidopsis</i> . <i>Cell Research</i> , 2010, 20, 387-390.	5.7	154
12	REF6 recognizes a specific DNA sequence to demethylate H3K27me3 and regulate organ boundary formation in <i>Arabidopsis</i> . <i>Nature Genetics</i> , 2016, 48, 694-699.	9.4	148
13	Autocatalytic differentiation of epigenetic modifications within the <i>Arabidopsis</i> genome. <i>EMBO Journal</i> , 2010, 29, 3496-3506.	3.5	127
14	Genomic imprinting of <i>Xist</i> by maternal H3K27me3. <i>Genes and Development</i> , 2017, 31, 1927-1932.	2.7	118
15	Loss of H3K27me3 Imprinting in Somatic Cell Nuclear Transfer Embryos Disrupts Post-Implantation Development. <i>Cell Stem Cell</i> , 2018, 23, 343-354.e5.	5.2	105
16	Ubiquitin-Specific Proteases UBP12 and UBP13 Act in Circadian Clock and Photoperiodic Flowering Regulation in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2013, 162, 897-906.	2.3	101
17	Mutations in the Type II Protein Arginine Methyltransferase AtPRMT5 Result in Pleiotropic Developmental Defects in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2007, 144, 1913-1923.	2.3	99
18	Poly(A) inclusive RNA isoform sequencing (PALISO-seq) reveals wide-spread non-adenosine residues within RNA poly(A) tails. <i>Nature Communications</i> , 2019, 10, 5292.	5.8	78

#	ARTICLE	IF	CITATIONS
19	Regulation of flowering time by the protein arginine methyltransferase AtPRMT10. EMBO Reports, 2007, 8, 1190-1195.	2.0	71
20	<i>Arabidopsis</i> protein arginine methyltransferase 3 is required for ribosome biogenesis by affecting precursor ribosomal RNA processing. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16190-16195.	3.3	68
21	Cell totipotency: molecular features, induction, and maintenance. National Science Review, 2015, 2, 217-225.	4.6	66
22	DNA methylation repels targeting of <i>Arabidopsis</i> REF6. Nature Communications, 2019, 10, 2063.	5.8	53
23	C-terminal domains of histone demethylase JMJ14 interact with a pair of NAC transcription factors to mediate specific chromatin association. Cell Discovery, 2015, 1, .	3.1	47
24	Overcoming Intrinsic H3K27me3 Imprinting Barriers Improves Post-implantation Development after Somatic Cell Nuclear Transfer. Cell Stem Cell, 2020, 27, 315-325.e5.	5.2	45
25	Loss of HDAC-Mediated Repression and Gain of NF- κ B Activation Underlie Cytokine Induction in ARID1A- and PIK3CA-Mutation-Driven Ovarian Cancer. Cell Reports, 2016, 17, 275-288.	2.9	37
26	Overcoming Autocrine FGF Signaling-Induced Heterogeneity in Naive Human ESCs Enables Modeling of Random X Chromosome Inactivation. Cell Stem Cell, 2020, 27, 482-497.e4.	5.2	32
27	Reprogramming of Chromatin Accessibility in Somatic Cell Nuclear Transfer Is DNA Replication Independent. Cell Reports, 2018, 23, 1939-1947.	2.9	30
28	Crystal Structure of the Plant Epigenetic Protein Arginine Methyltransferase 10. Journal of Molecular Biology, 2011, 414, 106-122.	2.0	27
29	Single-cell RNA sequencing reveals Nestin+ active neural stem cells outside the central canal after spinal cord injury. Science China Life Sciences, 2022, 65, 295-308.	2.3	24
30	Rett mutations attenuate phase separation of MeCP2. Cell Discovery, 2020, 6, 38.	3.1	23
31	Hypothalamic Rax+ tanycytes contribute to tissue repair and tumorigenesis upon oncogene activation in mice. Nature Communications, 2021, 12, 2288.	5.8	19
32	Drosophila Homolog of FMRP Maintains Genome Integrity by Interacting with Piwi. Journal of Genetics and Genomics, 2016, 43, 11-24.	1.7	15
33	The enzymatic activity of <i>Arabidopsis</i> protein arginine methyltransferase 10 is essential for flowering time regulation. Protein and Cell, 2012, 3, 450-459.	4.8	11
34	Transcriptome-wide measurement of poly(A) tail length and composition at subnanogram total RNA sensitivity by PALSO-seq. Nature Protocols, 2022, 17, 1980-2007.	5.5	10
35	Mapping Genome-wide Binding Sites of Prox1 in Mouse Cochlea Using the CUT&RUN Approach. Neuroscience Bulletin, 2021, 37, 1703-1707.	1.5	8
36	Dynamic RNA 3' Uridylation and Guanylation during Mitosis. Science, 2020, 23, 101402.	1.9	6

#	ARTICLE	IF	CITATIONS
37	H3K27me3 shapes DNA methylome by inhibiting UHRF1-mediated H3 ubiquitination. <i>Science China Life Sciences</i> , 2022, 65, 1685-1700.	2.3	4
38	In vivo nuclear capture and molecular profiling identifies Gmeb1 as a transcriptional regulator essential for dopamine neuron function. <i>Nature Communications</i> , 2019, 10, 2508.	5.8	3
39	BAP60 plays an opposite role to the MRT-NURF complex in regulating lipid droplet size. <i>Journal of Genetics and Genomics</i> , 2022, 49, 377-379.	1.7	1
40	Cnot8 eliminates naïve regulation networks and is essential for naïve-to-formative pluripotency transition. <i>Nucleic Acids Research</i> , 2022, , .	6.5	1
41	The start of a human life program. <i>Journal of Genetics and Genomics</i> , 2018, 45, 183-184.	1.7	0