Fei Lan

List of Publications by Year
in descending order

57 papers	11,037 citations	172457 29 h-index	128289 60 g-index
61 all docs	61 docs citations	61 times ranked	14270 citing authors

#	Article	IF	Citations
1	Histone Demethylation Mediated by the Nuclear Amine Oxidase Homolog LSD1. Cell, 2004, 119, 941-953.	28.9	3,626
2	Reversal of Histone Lysine Trimethylation by the JMJD2 Family of Histone Demethylases. Cell, 2006, 125, 467-481.	28.9	908
3	ING2 PHD domain links histone H3 lysine 4 methylation to active gene repression. Nature, 2006, 442, 96-99.	27.8	851
4	Regulation of LSD1 Histone Demethylase Activity by Its Associated Factors. Molecular Cell, 2005, 19, 857-864.	9.7	779
5	A histone H3 lysine 27 demethylase regulates animal posterior development. Nature, 2007, 449, 689-694.	27.8	718
6	Zc3h13 Regulates Nuclear RNA m6A Methylation and Mouse Embryonic Stem Cell Self-Renewal. Molecular Cell, 2018, 69, 1028-1038.e6.	9.7	618
7	Recognition of unmethylated histone H3 lysine 4 links BHC80 to LSD1-mediated gene repression. Nature, 2007, 448, 718-722.	27.8	386
8	Glucose-regulated phosphorylation of TET2 by AMPK reveals a pathway linking diabetes to cancer. Nature, 2018, 559, 637-641.	27.8	327
9	N6-Methyladenosine methyltransferase ZCCHC4 mediates ribosomal RNA methylation. Nature Chemical Biology, 2019, 15, 88-94.	8.0	258
10	Mechanisms involved in the regulation of histone lysine demethylases. Current Opinion in Cell Biology, 2008, 20, 316-325.	5.4	232
11	Defining variant-resistant epitopes targeted by SARS-CoV-2 antibodies: A global consortium study. Science, 2021, 374, 472-478.	12.6	228
12	BS69/ZMYND11 Reads and Connects Histone H3.3 Lysine 36 Trimethylation-Decorated Chromatin to Regulated Pre-mRNA Processing. Molecular Cell, 2014, 56, 298-310.	9.7	194
13	Suppression of Enhancer Overactivation by a RACK7-Histone Demethylase Complex. Cell, 2016, 165, 331-342.	28.9	163
14	Human-IgG-Neutralizing Monoclonal Antibodies Block the SARS-CoV-2 Infection. Cell Reports, 2020, 32, 107918.	6.4	148
15	ZMYND8 Reads the Dual Histone Mark H3K4me1-H3K14ac to Antagonize the Expression of Metastasis-Linked Genes. Molecular Cell, 2016, 63, 470-484.	9.7	112
16	S. pombe LSD1 Homologs Regulate Heterochromatin Propagation and Euchromatic Gene Transcription. Molecular Cell, 2007, 26, 89-101.	9.7	102
17	Receptome profiling identifies KREMEN1 and ASGR1 as alternative functional receptors of SARS-CoV-2. Cell Research, 2022, 32, 24-37.	12.0	98
18	The endogenous retrovirus-derived long noncoding RNA TROJAN promotes triple-negative breast cancer progression via ZMYND8 degradation. Science Advances, 2019, 5, eaat9820.	10.3	95

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19	Ribosome 18S m6A Methyltransferase METTL5 Promotes Translation Initiation and Breast Cancer Cell Growth. Cell Reports, 2020, 33, 108544.	6.4	71
20	Dynamic control of chromatin-associated m6A methylation regulates nascent RNA synthesis. Molecular Cell, 2022, 82, 1156-1168.e7.	9.7	69
21	Itaconate inhibits TET DNA dioxygenases to dampen inflammatory responses. Nature Cell Biology, 2022, 24, 353-363.	10.3	67
22	SNIP1 Recruits TET2 to Regulate c-MYC Target Genes and Cellular DNA Damage Response. Cell Reports, 2018, 25, 1485-1500.e4.	6.4	63
23	The strand-biased mitochondrial DNA methylome and its regulation by DNMT3A. Genome Research, 2019, 29, 1622-1634.	5.5	62
24	Histone lysine demethylases in mammalian embryonic development. Experimental and Molecular Medicine, 2017, 49, e325-e325.	7.7	56
25	Repression of human and mouse brain inflammaging transcriptome by broad gene-body histone hyperacetylation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7611-7616.	7.1	55
26	Mature myelin maintenance requires Qki to coactivate PPARÎ²-RXRÎ±â€“mediated lipid metabolism. Journal of Clinical Investigation, 2020, 130, 2220-2236.	8.2	50
27	A primary role of TET proteins in establishment and maintenance ofDe Novobivalency at CpG islands. Nucleic Acids Research, 2016, 44, 8682-8692.	14.5	49
28	The histone methyltransferase SETD2 is required for expression of acrosin-binding protein 1 and protamines and essential for spermiogenesis in mice. Journal of Biological Chemistry, 2018, 293, 9188-9197.	3.4	49
29	Nono, a Bivalent Domain Factor, Regulates Erk Signaling and Mouse Embryonic Stem Cell Pluripotency. Cell Reports, 2016, 17, 997-1007.	6.4	40
30	Refined spatial temporal epigenomic profiling reveals intrinsic connection between PRDM9-mediated H3K4me3 and the fate of double-stranded breaks. Cell Research, 2020, 30, 256-268.	12.0	37
31	KAT6A and ENL Form an Epigenetic Transcriptional Control Module to Drive Critical Leukemogenic Gene-Expression Programs. Cancer Discovery, 2022, 12, 792-811.	9.4	33
32	Mettl17, a regulator of mitochondrial ribosomal RNA modifications, is required for the translation of mitochondrial coding genes. FASEB Journal, 2019, 33, 13040-13050.	0.5	32
33	HNF1B-mediated repression of SLUG is suppressed by EZH2 in aggressive prostate cancer. Oncogene, 2020, 39, 1335-1346.	5.9	32
34	DNMT3A reads and connects histone H3K36me2 to DNA methylation. Protein and Cell, 2020, 11, 150-154.	11.0	32
35	Core transcription regulatory circuitry orchestrates corneal epithelial homeostasis. Nature Communications, 2021, 12, 420.	12.8	32
36	SETD2 deficiency accelerates MDS-associated leukemogenesis via S100a9 in NHD13 mice and predicts poor prognosis in MDS. Blood, 2020, 135, 2271-2285.	1.4	31

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37	The impact of receptor-binding domain natural mutations on antibody recognition of SARS-CoV-2. Signal Transduction and Targeted Therapy, 2021, 6, 132.	17.1	29
38	Histone H3.3 and cancer: A potential reader connection. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6814-6819.	7.1	25
39	RACK7 recognizes H3.3G34R mutation to suppress expression of MHC class II complex components and their delivery pathway in pediatric glioblastoma. Science Advances, 2020, 6, eaba2113.	10.3	25
40	BACH1 recruits NANOG and histone H3 lysine 4 methyltransferase MLL/SET1 complexes to regulate enhancerâ€“promoter activity and maintains pluripotency. Nucleic Acids Research, 2021, 49, 1972-1986.	14.5	24
41	Finding Missing Proteins from the Epigenetically Manipulated Human Cell with Stringent Quality Criteria. Journal of Proteome Research, 2015, 14, 3645-3657.	3.7	22
42	Qki activates Srebp2-mediated cholesterol biosynthesis for maintenance of eye lens transparency. Nature Communications, 2021, 12, 3005.	12.8	22
43	Genome-Wide Mapping of 5mC and 5hmC Identified Differentially Modified Genomic Regions in Late-Onset Severe Preeclampsia: A Pilot Study. PLoS ONE, 2015, 10, e0134119.	2.5	22
44	Design, synthesis and biological activity of 3-oxoamino-benzenesulfonamides as selective and reversible LSD1 inhibitors. Bioorganic Chemistry, 2017, 72, 182-189.	4.1	18
45	Different roles of E proteins in t(8;21) leukemia: E2-2 compromises the function of AETFC and negatively regulates leukemogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 890-899.	7.1	18
46	KDM5A suppresses PML-RARÎ± target gene expression and APL differentiation through repressing H3K4me2. Blood Advances, 2021, 5, 3241-3253.	5.2	16
47	H3K14me3 genomic distributions and its regulation by KDM4 family demethylases. Cell Research, 2018, 28, 1118-1120.	12.0	13
48	Optimization of 5-arylidene barbiturates as potent, selective, reversible LSD1 inhibitors for the treatment of acute promyelocytic leukemia. Bioorganic and Medicinal Chemistry, 2018, 26, 4871-4880.	3.0	13
49	Qki regulates myelinogenesis through Srebp2-dependent cholesterol biosynthesis. ELife, 2021, 10, .	6.0	13
50	Design, synthesis and biological activity of 4-(4-benzyloxy)phenoxypiperidines as selective and reversible LSD1 inhibitors. Bioorganic Chemistry, 2018, 78, 7-16.	4.1	12
51	Tumor suppressor CEBPA interacts with and inhibits DNMT3A activity. Science Advances, 2022, 8, eabl5220.	10.3	11
52	RNA m6A meets transposable elements and chromatin. Protein and Cell, 2021, 12, 906-910.	11.0	10
53	Design, synthesis and biological activity of N-(3-substituted-phenyl)benzenesulfonamides as selective and reversible LSD1 inhibitors. Medicinal Chemistry Research, 2016, 25, 2822-2831.	2.4	9
54	eIF3a mediates HIF1Î±-dependent glycolytic metabolism in hepatocellular carcinoma cells through translational regulation. American Journal of Cancer Research, 2019, 9, 1079-1090.	1.4	7

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55	Destabilization of AETFC through C/EBPÎ±-mediated repression of LYL1 contributes to t(8;21) leukemic cell differentiation. Leukemia, 2019, 33, 1822-1827.	7.2	5
56	BMP4 drives primed to naÃ¯ve transition through PGC-like state. Nature Communications, 2022, 13, 2756.	12.8	2
57	Tet2 regulates Barx2 expression in undifferentiated and early differentiated mouse embryonic stem cells. Biochemical and Biophysical Research Communications, 2020, 533, 1212-1218.	2.1	1