

Makoto Tachibana

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

4,665
citations

430874

18
h-index

434195

31
g-index

31
all docs

31
docs citations

31
times ranked

5946
citing authors

#	ARTICLE	IF	CITATIONS
1	G9a histone methyltransferase plays a dominant role in euchromatic histone H3 lysine 9 methylation and is essential for early embryogenesis. <i>Genes and Development</i> , 2002, 16, 1779-1791.	5.9	1,084
2	Histone methyltransferases G9a and GLP form heteromeric complexes and are both crucial for methylation of euchromatin at H3-K9. <i>Genes and Development</i> , 2005, 19, 815-826.	5.9	689
3	Proviral silencing in embryonic stem cells requires the histone methyltransferase ESET. <i>Nature</i> , 2010, 464, 927-931.	27.8	681
4	SET Domain-containing Protein, G9a, Is a Novel Lysine-preferring Mammalian Histone Methyltransferase with Hyperactivity and Specific Selectivity to Lysines 9 and 27 of Histone H3. <i>Journal of Biological Chemistry</i> , 2001, 276, 25309-25317.	3.4	679
5	Cloning of mice to six generations. <i>Nature</i> , 2000, 407, 318-319.	27.8	242
6	Tracking epigenetic histone modifications in single cells using Fab-based live endogenous modification labeling. <i>Nucleic Acids Research</i> , 2011, 39, 6475-6488.	14.5	219
7	Epigenetic Regulation of Mouse Sex Determination by the Histone Demethylase Jmjd1a. <i>Science</i> , 2013, 341, 1106-1109.	12.6	217
8	DNA Damage Signaling Triggers Degradation of Histone Methyltransferases through APC/CCdh1 in Senescent Cells. <i>Molecular Cell</i> , 2012, 45, 123-131.	9.7	159
9	HIF-KDM3A-MMP12 regulatory circuit ensures trophoblast plasticity and placental adaptations to hypoxia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E7212-E7221.	7.1	111
10	Generation of ovarian follicles from mouse pluripotent stem cells. <i>Science</i> , 2021, 373, .	12.6	88
11	HP1 ^Δ links histone methylation marks to meiotic synapsis in mice. <i>Development (Cambridge)</i> , 2011, 138, 4207-4217.	2.5	71
12	Histone H3K9 Methyltransferase G9a in Oocytes Is Essential for Preimplantation Development but Dispensable for CG Methylation Protection. <i>Cell Reports</i> , 2019, 27, 282-293.e4.	6.4	62
13	FGF2 Has Distinct Molecular Functions from GDNF in the Mouse Germline Niche. <i>Stem Cell Reports</i> , 2018, 10, 1782-1792.	4.8	46
14	The mouse <i>Sry</i> locus harbors a cryptic exon that is essential for male sex determination. <i>Science</i> , 2020, 370, 121-124.	12.6	38
15	PRDM14 Drives OCT3/4 Recruitment via Active Demethylation in the Transition from Primed to Naive Pluripotency. <i>Stem Cell Reports</i> , 2016, 7, 1072-1086.	4.8	31
16	Rescuing the aberrant sex development of H3K9 demethylase Jmjd1a-deficient mice by modulating H3K9 methylation balance. <i>PLoS Genetics</i> , 2017, 13, e1007034.	3.5	29
17	Epigenetic regulation of mammalian sex determination. <i>Molecular and Cellular Endocrinology</i> , 2018, 468, 31-38.	3.2	25
18	Combined Loss of JMJD1A and JMJD1B Reveals Critical Roles for H3K9 Demethylation in the Maintenance of Embryonic Stem Cells and Early Embryogenesis. <i>Stem Cell Reports</i> , 2018, 10, 1340-1354.	4.8	23

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19	HP1 maintains protein stability of H3K9 methyltransferases and demethylases. EMBO Reports, 2022, 23, e53581.	4.5	21
20	Inhibition of histone methyltransferase G9a attenuates liver cancer initiation by sensitizing DNA-damaged hepatocytes to p53-induced apoptosis. Cell Death and Disease, 2021, 12, 99.	6.3	19
21	DNMTs and SETDB1 function as co-repressors in MAX-mediated repression of germ cell-related genes in mouse embryonic stem cells. PLoS ONE, 2018, 13, e0205969.	2.5	16
22	Epigenetic regulation of mammalian sex determination. Journal of Medical Investigation, 2015, 62, 19-23.	0.5	15
23	Pericentric H3K9me3 Formation by HP1 Interaction-defective Histone Methyltransferase Suv39h1. Cell Structure and Function, 2016, 41, 145-152.	1.1	15
24	G9a is involved in the regulation of cranial bone formation through activation of Runx2 function during development. Bone, 2020, 137, 115332.	2.9	15
25	Role of epigenetic regulation in mammalian sex determination. Current Topics in Developmental Biology, 2019, 134, 195-221.	2.2	14
26	H3K9 Demethylases JMJD1A and JMJD1B Control Prospermatogonia to Spermatogonia Transition in Mouse Germline. Stem Cell Reports, 2020, 15, 424-438.	4.8	13
27	Transcriptional Regulation of the Y-Linked Mammalian Testis-Determining Gene SRY. Sexual Development, 2021, 15, 351-359.	2.0	11
28	Development of a general-purpose method for cell purification using Cre/loxP-mediated recombination. Genesis, 2015, 53, 387-393.	1.6	9
29	Deletion of Histone Methyltransferase G9a Suppresses Mutant Kras-driven Pancreatic Carcinogenesis. Cancer Genomics and Proteomics, 2020, 17, 695-705.	2.0	9
30	TET2 catalyzes active DNA demethylation of the Sry promoter and enhances its expression. Scientific Reports, 2019, 9, 13462.	3.3	8
31	G9a-dependent histone methylation can be induced in G1 phase of cell cycle. Scientific Reports, 2019, 9, 956.	3.3	6