

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	HP1 maintains protein stability of H3K9 methyltransferases and demethylases. <i>EMBO Reports</i> , 2022, 23, e53581.	4.5	21
2	Inhibition of histone methyltransferase G9a attenuates liver cancer initiation by sensitizing DNA-damaged hepatocytes to p53-induced apoptosis. <i>Cell Death and Disease</i> , 2021, 12, 99.	6.3	19
3	Generation of ovarian follicles from mouse pluripotent stem cells. <i>Science</i> , 2021, 373, .	12.6	88
4	Transcriptional Regulation of the Y-Linked Mammalian Testis-Determining Gene SRY. <i>Sexual Development</i> , 2021, 15, 351-359.	2.0	11
5	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
6	H3K9 Demethylases JMJD1A and JMJD1B Control Prospermatogonia to Spermatogonia Transition in Mouse Germline. <i>Stem Cell Reports</i> , 2020, 15, 424-438.	4.8	13
7	Deletion of Histone Methyltransferase G9a Suppresses Mutant Kras-driven Pancreatic Carcinogenesis. <i>Cancer Genomics and Proteomics</i> , 2020, 17, 695-705.	2.0	9
8	G9a is involved in the regulation of cranial bone formation through activation of Runx2 function during development. <i>Bone</i> , 2020, 137, 115332.	2.9	15
9	TET2 catalyzes active DNA demethylation of the Sry promoter and enhances its expression. <i>Scientific Reports</i> , 2019, 9, 13462.	3.3	8
10	G9a-dependent histone methylation can be induced in G1 phase of cell cycle. <i>Scientific Reports</i> , 2019, 9, 956.	3.3	6
11	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
12	Role of epigenetic regulation in mammalian sex determination. <i>Current Topics in Developmental Biology</i> , 2019, 134, 195-221.	2.2	14
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	Epigenetic regulation of mammalian sex determination. <i>Molecular and Cellular Endocrinology</i> , 2018, 468, 31-38.	3.2	25
15	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
16	DNMTs and SETDB1 function as co-repressors in MAX-mediated repression of germ cell-related genes in mouse embryonic stem cells. <i>PLoS ONE</i> , 2018, 13, e0205969.	2.5	16
17	Rescuing the aberrant sex development of H3K9 demethylase <i>Jmjd1a</i> -deficient mice by modulating H3K9 methylation balance. <i>PLoS Genetics</i> , 2017, 13, e1007034.	3.5	29
18	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

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19	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
20	Pericentric H3K9me3 Formation by HP1 Interaction-defective Histone Methyltransferase Suv39h1. <i>Cell Structure and Function</i> , 2016, 41, 145-152.	1.1	15
21	Development of a general purpose method for cell purification using Cre-loxP-mediated recombination. <i>Genesis</i> , 2015, 53, 387-393.	1.6	9
22	Epigenetic regulation of mammalian sex determination. <i>Journal of Medical Investigation</i> , 2015, 62, 19-23.	0.5	15
23	Epigenetic Regulation of Mouse Sex Determination by the Histone Demethylase Jmjd1a. <i>Science</i> , 2013, 341, 1106-1109.	12.6	217
24	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
25	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
26	HP1 ^β links histone methylation marks to meiotic synapsis in mice. <i>Development (Cambridge)</i> , 2011, 138, 4207-4217.	2.5	71
27	Proviral silencing in embryonic stem cells requires the histone methyltransferase ESET. <i>Nature</i> , 2010, 464, 927-931.	27.8	681
28	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
29	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
30	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
31	Cloning of mice to six generations. <i>Nature</i> , 2000, 407, 318-319.	27.8	242