

Akihiko Sakashita

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

848
citations

759233

12
h-index

713466

21
g-index

24
all docs

24
docs citations

24
times ranked

1336
citing authors

#	ARTICLE	IF	CITATIONS
1	High-resolution DNA methylome analysis of primordial germ cells identifies gender-specific reprogramming in mice. <i>Genome Research</i> , 2013, 23, 616-627.	5.5	239
2	Attenuated chromatin compartmentalization in meiosis and its maturation in sperm development. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 175-184.	8.2	92
3	LTR retrotransposons transcribed in oocytes drive species-specific and heritable changes in DNA methylation. <i>Nature Communications</i> , 2018, 9, 3331.	12.8	65
4	Endogenous retroviruses drive species-specific germline transcriptomes in mammals. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 967-977.	8.2	60
5	Polycomb protein SCML2 facilitates H3K27me3 to establish bivalent domains in the male germline. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4957-4962.	7.1	57
6	UHRF1 suppresses retrotransposons and cooperates with PRMT5 and PIWI proteins in male germ cells. <i>Nature Communications</i> , 2019, 10, 4705.	12.8	56
7	Polycomb directs timely activation of germline genes in spermatogenesis. <i>Genes and Development</i> , 2017, 31, 1693-1703.	5.9	52
8	RNF8 and SCML2 cooperate to regulate ubiquitination and H3K27 acetylation for escape gene activation on the sex chromosomes. <i>PLoS Genetics</i> , 2018, 14, e1007233.	3.5	45
9	Super-enhancer switching drives a burst in gene expression at the mitosis-to-meiosis transition. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 978-988.	8.2	38
10	Sex Specification and Heterogeneity of Primordial Germ Cells in Mice. <i>PLoS ONE</i> , 2015, 10, e0144836.	2.5	17
11	Meiosis-specific ZFP541 repressor complex promotes developmental progression of meiotic prophase towards completion during mouse spermatogenesis. <i>Nature Communications</i> , 2021, 12, 3184.	12.8	17
12	Sex-specific histone modifications in mouse fetal and neonatal germ cells. <i>Epigenomics</i> , 2019, 11, 543-561.	2.1	15
13	Dynamics of genomic 5-hydroxymethylcytosine during mouse oocyte growth. <i>Genes To Cells</i> , 2014, 19, 629-636.	1.2	14
14	Chromosome Spread Analyses of Meiotic Sex Chromosome Inactivation. <i>Methods in Molecular Biology</i> , 2018, 1861, 113-129.	0.9	14
15	DNA Methylation Errors in Cloned Mouse Sperm by Germ Line Barrier Evasion1. <i>Biology of Reproduction</i> , 2016, 94, 128.	2.7	12
16	Repetitive DNA methylome analysis by small-scale and single-cell shotgun bisulfite sequencing. <i>Genes To Cells</i> , 2016, 21, 1209-1222.	1.2	12
17	Comparative analysis of enteroendocrine cells and their hormones between mouse intestinal organoids and native tissues. <i>Bioscience, Biotechnology and Biochemistry</i> , 2020, 84, 936-942.	1.3	10
18	Highly rigid H3.1/H3.2 H3K9me3 domains set a barrier for cell fate reprogramming in trophoblast stem cells. <i>Genes and Development</i> , 2022, 36, 84-102.	5.9	10

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19	XY oocytes of sex-reversed females with a Sry mutation deviate from the normal developmental process beyond the mitotic stage. <i>Biology of Reproduction</i> , 2019, 100, 697-710.	2.7	5
20	Isolation of Murine Spermatogenic Cells using a Violet-Excited Cell-Permeable DNA Binding Dye. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	3
21	Retrotransposons in the Mammalian Male Germline. <i>Sexual Development</i> , 2022, 16, 404-422.	2.0	3
22	Epigenomic and single-cell profiling of human spermatogonial stem cells. <i>Stem Cell Investigation</i> , 2018, 5, 11-11.	3.0	2