

Satomi Kuramochi-Miyagawa

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

4,742
citations

361413

20
h-index

526287

27
g-index

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all docs

27
docs citations

27
times ranked

4124
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel class of small RNAs bind to MILI protein in mouse testes. <i>Nature</i> , 2006, 442, 203-207.	27.8	1,303
2	DNA methylation of retrotransposon genes is regulated by Piwi family members MILI and MIWI2 in murine fetal testes. <i>Genes and Development</i> , 2008, 22, 908-917.	5.9	790
3	<i>Mili</i> , a mammalian member of <i>piwi</i> family gene, is essential for spermatogenesis. <i>Development (Cambridge)</i> , 2004, 131, 839-849.	2.5	666
4	Role for piRNAs and Noncoding RNA in de Novo DNA Methylation of the Imprinted Mouse <i>Rasgrf1</i> Locus. <i>Science</i> , 2011, 332, 848-852.	12.6	341
5	The TDRD9-MIWI2 Complex Is Essential for piRNA-Mediated Retrotransposon Silencing in the Mouse Male Germline. <i>Developmental Cell</i> , 2009, 17, 775-787.	7.0	297
6	MITOPLD Is a Mitochondrial Protein Essential for Nuage Formation and piRNA Biogenesis in the Mouse Germline. <i>Developmental Cell</i> , 2011, 20, 364-375.	7.0	250
7	Two mouse piwi-related genes: miwi and mili. <i>Mechanisms of Development</i> , 2001, 108, 121-133.	1.7	243
8	MVH in piRNA processing and gene silencing of retrotransposons. <i>Genes and Development</i> , 2010, 24, 887-892.	5.9	219
9	<i>PNLDC</i> 1, mouse preâ€pi <i>RNA</i> Trimmer, is required for meiotic and postâ€meiotic male germ cell development. <i>EMBO Reports</i> , 2018, 19, .	4.5	64
10	<i>Gtsf1/Cue110</i> , a gene encoding a protein with two copies of a CHHC Zn-finger motif, is involved in spermatogenesis and retrotransposon suppression in murine testes. <i>Developmental Biology</i> , 2009, 335, 216-227.	2.0	59
11	piRNAs derived from ancient viral processed pseudogenes as transgenerational sequence-specific immune memory in mammals. <i>Rna</i> , 2015, 21, 1691-1703.	3.5	59
12	Associations between PIWI proteins and TDRD1/MTRâ€1 are critical for integrated subcellular localization in murine male germ cells. <i>Genes To Cells</i> , 2009, 14, 1155-1165.	1.2	58
13	GPAT2, a mitochondrial outer membrane protein, in piRNA biogenesis in germline stem cells. <i>Rna</i> , 2013, 19, 803-810.	3.5	56
14	MIWI2 as an Effector of DNA Methylation and Gene Silencing in Embryonic Male Germ Cells. <i>Cell Reports</i> , 2016, 16, 2819-2828.	6.4	46
15	Roles of MIWI, MILI and PLD6 in small RNA regulation in mouse growing oocytes. <i>Nucleic Acids Research</i> , 2017, 45, gkx027.	14.5	46
16	HSP90± plays an important role in piRNA biogenesis and retrotransposon repression in mouse. <i>Nucleic Acids Research</i> , 2014, 42, 11903-11911.	14.5	42
17	Mouse <i>GTSF</i> 1 is an essential factor for secondary pi <i>RNA</i> biogenesis. <i>EMBO Reports</i> , 2018, 19, .	4.5	41
18	RNA silencing in germlinesâ€”exquisite collaboration of Argonaute proteins with small RNAs for germline survival. <i>Current Opinion in Cell Biology</i> , 2009, 21, 426-434.	5.4	35

#	ARTICLE	IF	CITATIONS
19	Induction of DNA Methylation by Artificial piRNA Production in Male Germ Cells. <i>Current Biology</i> , 2015, 25, 901-906.	3.9	34
20	Targeted gene silencing in mouse germ cells by insertion of a homologous DNA into a piRNA generating locus. <i>Genome Research</i> , 2013, 23, 292-299.	5.5	31
21	Relationship between PIWIL4-Mediated H3K4me2 Demethylation and piRNA-Dependent DNA Methylation. <i>Cell Reports</i> , 2018, 25, 350-356.	6.4	20
22	Comprehensive DNA Methylation Analysis of Retrotransposons in Male Germ Cells. <i>Cell Reports</i> , 2015, 12, 1541-1547.	6.4	18
23	GPAT2 is required for piRNA biogenesis, transposon silencing, and maintenance of spermatogonia in mice. <i>Biology of Reproduction</i> , 2019, 101, 248-256.	2.7	11
24	MORC3, a novel MIWI2 association partner, as an epigenetic regulator of piRNA dependent transposon silencing in male germ cells. <i>Scientific Reports</i> , 2021, 11, 20472.	3.3	6
25	Reply to Shoji and Katsuma. <i>Current Biology</i> , 2015, 25, R710.	3.9	3
26	DNA Methylation in Mouse Testes. <i>Methods in Molecular Biology</i> , 2014, 1093, 97-109.	0.9	2
27	Effects of transgene insertion loci and copy number on Dnmt3L gene silencing through antisense transgene-derived PIWI-interacting RNAs. <i>Rna</i> , 2022, , rna.078905.121.	3.5	2