

Kuniaki Saito

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

5,425
citations

236612

25
h-index

414034

32
g-index

37
all docs

37
docs citations

37
times ranked

4504
citing authors

#	ARTICLE	IF	CITATIONS
1	A Slicer-Mediated Mechanism for Repeat-Associated siRNA 5' End Formation in <i>Drosophila</i> . <i>Science</i> , 2007, 315, 1587-1590.	6.0	1,065
2	Specific association of Piwi with rasiRNAs derived from retrotransposon and heterochromatic regions in the <i>Drosophila</i> genome. <i>Genes and Development</i> , 2006, 20, 2214-2222.	2.7	566
3	<i>Drosophila</i> endogenous small RNAs bind to Argonaute2 in somatic cells. <i>Nature</i> , 2008, 453, 793-797.	13.7	417
4	Pimet, the <i>Drosophila</i> homolog of HEN1, mediates 2'-O-methylation of Piwi-interacting RNAs at their 3' ends. <i>Genes and Development</i> , 2007, 21, 1603-1608.	2.7	400
5	A regulatory circuit for piwi by the large Maf gene traffic jam in <i>Drosophila</i> . <i>Nature</i> , 2009, 461, 1296-1299.	13.7	387
6	Processing of Pre-microRNAs by the Dicer-Loquacious Complex in <i>Drosophila</i> Cells. <i>PLoS Biology</i> , 2005, 3, e235.	2.6	352
7	Structure and function of Zucchini endoribonuclease in piRNA biogenesis. <i>Nature</i> , 2012, 491, 284-287.	13.7	298
8	A microRNA regulatory mechanism of osteoblast differentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 20794-20799.	3.3	273
9	Roles for the Yb body components Armitage and Yb in primary piRNA biogenesis in <i>Drosophila</i> . <i>Genes and Development</i> , 2010, 24, 2493-2498.	2.7	261
10	Gene silencing mechanisms mediated by Aubergine piRNA complexes in <i>Drosophila</i> male gonad. <i>Rna</i> , 2007, 13, 1911-1922.	1.6	245
11	Small RNA-Mediated Quiescence of Transposable Elements in Animals. <i>Developmental Cell</i> , 2010, 19, 687-697.	3.1	156
12	DmGTSF1 is necessary for Piwi piRISC-mediated transcriptional transposon silencing in the <i>Drosophila</i> ovary. <i>Genes and Development</i> , 2013, 27, 1656-1661.	2.7	122
13	Piwi Modulates Chromatin Accessibility by Regulating Multiple Factors Including Histone H1 to Repress Transposons. <i>Molecular Cell</i> , 2016, 63, 408-419.	4.5	110
14	Endo-siRNAs depend on a new isoform of loquacious and target artificially introduced, high-copy sequences. <i>EMBO Journal</i> , 2009, 28, 2932-2944.	3.5	89
15	Large-Scale Transgenic <i>Drosophila</i> Resource Collections for Loss- and Gain-of-Function Studies. <i>Genetics</i> , 2020, 214, 755-767.	1.2	81
16	Small RNA profiling and characterization of piRNA clusters in the adult testes of the common marmoset, a model primate. <i>Rna</i> , 2014, 20, 1223-1237.	1.6	80
17	Inheritance of a Nuclear PIWI from Pluripotent Stem Cells by Somatic Descendants Ensures Differentiation by Silencing Transposons in Planarian. <i>Developmental Cell</i> , 2016, 37, 226-237.	3.1	71
18	Yb Integrates piRNA Intermediates and Processing Factors into Perinuclear Bodies to Enhance piRISC Assembly. <i>Cell Reports</i> , 2014, 8, 103-113.	2.9	62

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19	Complex formation of the neuron-specific ELAV-like Hu RNA-binding proteins. <i>Nucleic Acids Research</i> , 2002, 30, 4519-4526.	6.5	60
20	Nuclear RNA export factor variant initiates piRNA-guided co-transcriptional silencing. <i>EMBO Journal</i> , 2019, 38, e102870.	3.5	57
21	Tbx6 Induces Nascent Mesoderm from Pluripotent Stem Cells and Temporally Controls Cardiac versus Somite Lineage Diversification. <i>Cell Stem Cell</i> , 2018, 23, 382-395.e5.	5.2	53
22	How selfish retrotransposons are silenced in <i>Drosophila</i> germline and somatic cells. <i>FEBS Letters</i> , 2008, 582, 2473-2478.	1.3	44
23	Crystal structure of <i>Drosophila</i> Piwi. <i>Nature Communications</i> , 2020, 11, 858.	5.8	42
24	The epigenetic regulation of transposable elements by PIWI-interacting RNAs in <i>Drosophila</i> . <i>Genes and Genetic Systems</i> , 2013, 88, 9-17.	0.2	30
25	TAP/NXF1, the primary mRNA export receptor, specifically interacts with a neuronal RNA-binding protein HuD. <i>Biochemical and Biophysical Research Communications</i> , 2004, 321, 291-297.	1.0	26
26	Hamster PIWI proteins bind to piRNAs with stage-specific size variations during oocyte maturation. <i>Nucleic Acids Research</i> , 2021, 49, 2700-2720.	6.5	26
27	Microtubule association of a neuronal RNA-binding protein HuD through its binding to the light chain of MAP1B. <i>Biochimie</i> , 2011, 93, 817-822.	1.3	15
28	Tango knock-ins visualize endogenous activity of G protein-coupled receptors in <i>Drosophila</i> . <i>Journal of Neurogenetics</i> , 2019, 33, 44-51.	0.6	8
29	Yorkie drives supercompetition by non-autonomous induction of autophagy via bantam microRNA in <i>Drosophila</i> . <i>Current Biology</i> , 2022, 32, 1064-1076.e4.	1.8	8
30	Amelioration of a neurodevelopmental disorder by carbamazepine in a case having a gain-of-function GRIA3 variant. <i>Human Genetics</i> , 2022, 141, 283-293.	1.8	6
31	TE studies in Japan: the fourth Japanese meeting on host-transposon interactions. <i>Mobile DNA</i> , 2019, 10, 11.	1.3	4
32	The fifth Japanese meeting on biological function and evolution through interactions between hosts and transposable elements. <i>Mobile DNA</i> , 2022, 13, 3.	1.3	1
33	The Key Features of RNA Silencing. , 2010, , 1-28.		0