

Kuniaki Saito

List of Publications by Year in descending order

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33
papers

5,425
citations

236925
25
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414414
32
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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.	12.6	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.	5.9	566
3	<i>Drosophila</i> endogenous small RNAs bind to Argonaute2 in somatic cells. <i>Nature</i> , 2008, 453, 793-797.	27.8	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.	5.9	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.	27.8	387
6	Processing of Pre-microRNAs by the Dicer-Loquacious Complex in <i>Drosophila</i> Cells. <i>PLoS Biology</i> , 2005, 3, e235.	5.6	352
7	Structure and function of Zucchini endoribonuclease in piRNA biogenesis. <i>Nature</i> , 2012, 491, 284-287.	27.8	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.	7.1	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.	5.9	261
10	Gene silencing mechanisms mediated by Aubergine-piRNA complexes in <i>Drosophila</i> male gonad. <i>Rna</i> , 2007, 13, 1911-1922.	3.5	245
11	Small RNA-Mediated Quiescence of Transposable Elements in Animals. <i>Developmental Cell</i> , 2010, 19, 687-697.	7.0	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.	5.9	122
13	Piwi Modulates Chromatin Accessibility by Regulating Multiple Factors Including Histone H1 to Repress Transposons. <i>Molecular Cell</i> , 2016, 63, 408-419.	9.7	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.	7.8	89
15	Large-Scale Transgenic <i>Drosophila</i> Resource Collections for Loss- and Gain-of-Function Studies. <i>Genetics</i> , 2020, 214, 755-767.	2.9	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.	3.5	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.	7.0	71
18	Yb Integrates piRNA Intermediates and Processing Factors into Perinuclear Bodies to Enhance piRISC Assembly. <i>Cell Reports</i> , 2014, 8, 103-113.	6.4	62

#	ARTICLE	IF	CITATIONS
19	Complex formation of the neuron-specific ELAV-like Hu RNA-binding proteins. Nucleic Acids Research, 2002, 30, 4519-4526.	14.5	60
20	Nuclear RNA export factor variant initiates piRNA-guided co-transcriptional silencing. EMBO Journal, 2019, 38, e102870.	7.8	57
21	Tbx6 Induces Nascent Mesoderm from Pluripotent Stem Cells and Temporally Controls Cardiac versus Somite Lineage Diversification. Cell Stem Cell, 2018, 23, 382-395.e5.	11.1	53
22	How selfish retrotransposons are silenced in <i>Drosophila</i> germline and somatic cells. FEBS Letters, 2008, 582, 2473-2478.	2.8	44
23	Crystal structure of Drosophila Piwi. Nature Communications, 2020, 11, 858.	12.8	42
24	The epigenetic regulation of transposable elements by PIWI-interacting RNAs in <i>Drosophila</i> . Genes and Genetic Systems, 2013, 88, 9-17.	0.7	30
25	TAP/NXF1, the primary mRNA export receptor, specifically interacts with a neuronal RNA-binding protein HuD. Biochemical and Biophysical Research Communications, 2004, 321, 291-297.	2.1	26
26	Hamster PIWI proteins bind to piRNAs with stage-specific size variations during oocyte maturation. Nucleic Acids Research, 2021, 49, 2700-2720.	14.5	26
27	Microtubule association of a neuronal RNA-binding protein HuD through its binding to the light chain of MAP1B. Biochimie, 2011, 93, 817-822.	2.6	15
28	Tango knock-ins visualize endogenous activity of G protein-coupled receptors in Drosophila. Journal of Neurogenetics, 2019, 33, 44-51.	1.4	8
29	Yorkie drives supercompetition by non-autonomous induction of autophagy via bantam microRNA in Drosophila. Current Biology, 2022, 32, 1064-1076.e4.	3.9	8
30	Amelioration of a neurodevelopmental disorder by carbamazepine in a case having a gain-of-function GRIA3 variant. Human Genetics, 2022, 141, 283-293.	3.8	6
31	TE studies in Japan: the fourth Japanese meeting on host-transposon interactions. Mobile DNA, 2019, 10, 11.	3.6	4
32	The fifth Japanese meeting on biological function and evolution through interactions between hosts and transposable elements. Mobile DNA, 2022, 13, 3.	3.6	1
33	The Key Features of RNA Silencing. , 2010, , 1-28.		0