

Benjamin Czech

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

6,959
citations

279701

23
h-index

454834

30
g-index

40
all docs

40
docs citations

40
times ranked

9061
citing authors

#	ARTICLE	IF	CITATIONS
1	miR156-Regulated SPL Transcription Factors Define an Endogenous Flowering Pathway in <i>Arabidopsis thaliana</i> . <i>Cell</i> , 2009, 138, 738-749.	13.5	1,255
2	A genome-scale shRNA resource for transgenic RNAi in <i>Drosophila</i> . <i>Nature Methods</i> , 2011, 8, 405-407.	9.0	733
3	An endogenous small interfering RNA pathway in <i>Drosophila</i> . <i>Nature</i> , 2008, 453, 798-802.	13.7	633
4	Small RNA sorting: matchmaking for Argonautes. <i>Nature Reviews Genetics</i> , 2011, 12, 19-31.	7.7	617
5	Dual Effects of miR156-Targeted <i>SPL</i> Genes and <i>CYP78A5/KLUH</i> on Plastochron Length and Organ Size in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2008, 20, 1231-1243.	3.1	514
6	The Transgenic RNAi Project at Harvard Medical School: Resources and Validation. <i>Genetics</i> , 2015, 201, 843-852.	1.2	502
7	One Loop to Rule Them All: The Ping-Pong Cycle and piRNA-Guided Silencing. <i>Trends in Biochemical Sciences</i> , 2016, 41, 324-337.	3.7	386
8	piRNA-Guided Genome Defense: From Biogenesis to Silencing. <i>Annual Review of Genetics</i> , 2018, 52, 131-157.	3.2	372
9	Hierarchical Rules for Argonaute Loading in <i>Drosophila</i> . <i>Molecular Cell</i> , 2009, 36, 445-456.	4.5	242
10	A Transcriptome-wide RNAi Screen in the <i>Drosophila</i> Ovary Reveals Factors of the Germline piRNA Pathway. <i>Molecular Cell</i> , 2013, 50, 749-761.	4.5	229
11	Regulation of Ribosome Biogenesis and Protein Synthesis Controls Germline Stem Cell Differentiation. <i>Cell Stem Cell</i> , 2016, 18, 276-290.	5.2	199
12	Panoramix enforces piRNA-dependent cotranscriptional silencing. <i>Science</i> , 2015, 350, 339-342.	6.0	162
13	Deep small RNA sequencing from the nematode <i>Ascaris</i> reveals conservation, functional diversification, and novel developmental profiles. <i>Genome Research</i> , 2011, 21, 1462-1477.	2.4	158
14	The let-7 Imp axis regulates ageing of the <i>Drosophila</i> testis stem-cell niche. <i>Nature</i> , 2012, 485, 605-610.	13.7	158
15	Probing the initiation and effector phases of the somatic piRNA pathway in <i>Drosophila</i> . <i>Genes and Development</i> , 2010, 24, 2499-2504.	2.7	132
16	ATP synthase promotes germ cell differentiation independent of oxidative phosphorylation. <i>Nature Cell Biology</i> , 2015, 17, 689-696.	4.6	99
17	Production of artificial piRNAs in flies and mice. <i>Rna</i> , 2012, 18, 42-52.	1.6	94
18	Processing of <i>Drosophila</i> endo-siRNAs depends on a specific Loquacious isoform. <i>Rna</i> , 2009, 15, 1886-1895.	1.6	88

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19	<i>shutdown</i> is a component of the <i>Drosophila</i> piRNA biogenesis machinery. <i>Rna</i> , 2012, 18, 1446-1457.	1.6	72
20	piRNA-guided co-transcriptional silencing coopts nuclear export factors. <i>ELife</i> , 2019, 8, .	2.8	60
21	Specialization of the <i>Drosophila</i> nuclear export family protein Nxf3 for piRNA precursor export. <i>Genes and Development</i> , 2019, 33, 1208-1220.	2.7	49
22	Preparation of Small RNA Libraries for High-Throughput Sequencing. <i>Cold Spring Harbor Protocols</i> , 2012, 2012, pdb.prot071431.	0.2	35
23	Oncogenic transformation of <i>Drosophila</i> somatic cells induces a functional piRNA pathway. <i>Genes and Development</i> , 2016, 30, 1623-1635.	2.7	33
24	Daedalus and Gasz recruit Armitage to mitochondria, bringing piRNA precursors to the biogenesis machinery. <i>Genes and Development</i> , 2019, 33, 844-856.	2.7	32
25	Dimerisation of the PICTS complex via LC8/Cut-up drives co-transcriptional transposon silencing in <i>Drosophila</i> . <i>ELife</i> , 2021, 10, .	2.8	28
26	Maternally inherited piRNAs direct transient heterochromatin formation at active transposons during early <i>Drosophila</i> embryogenesis. <i>ELife</i> , 2021, 10, .	2.8	26
27	Channel nuclear pore complex subunits are required for transposon silencing in <i>Drosophila</i> . <i>ELife</i> , 2021, 10, .	2.8	14
28	A Happy Ending to the piRNA Maturation Story. <i>Cell</i> , 2016, 164, 838-840.	13.5	13
29	Small RNA Library Construction for High-Throughput Sequencing. <i>Methods in Molecular Biology</i> , 2014, 1093, 195-208.	0.4	13
30	An evolutionarily conserved stop codon enrichment at the 5' ends of mammalian piRNAs. <i>Nature Communications</i> , 2022, 13, 2118.	5.8	3