Benjamin Czech

List of Publications by Year
in descending order

30 papers	6,959 citations	279798 23 h-index	454955 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 Arabidopsis thaliana. Cell, 2009, 138, 738-749.	28.9	1,255
2	A genome-scale shRNA resource for transgenic RNAi in Drosophila. Nature Methods, 2011, 8, 405-407.	19.0	733
3	An endogenous small interfering RNA pathway in Drosophila. Nature, 2008, 453, 798-802.	27.8	633
4	Small RNA sorting: matchmaking for Argonautes. Nature Reviews Genetics, 2011, 12, 19-31.	16.3	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>Â Â. Plant Cell, 2008, 20, 1231-1243.	6.6	514
6	The Transgenic RNAi Project at Harvard Medical School: Resources and Validation. Genetics, 2015, 201, 843-852.	2.9	502
7	One Loop to Rule Them All: The Ping-Pong Cycle and piRNA-Guided Silencing. Trends in Biochemical Sciences, 2016, 41, 324-337.	7.5	386
8	piRNA-Guided Genome Defense: From Biogenesis to Silencing. Annual Review of Genetics, 2018, 52, 131-157.	7.6	372
9	Hierarchical Rules for Argonaute Loading in Drosophila. Molecular Cell, 2009, 36, 445-456.	9.7	242
10	A Transcriptome-wide RNAi Screen in the Drosophila Ovary Reveals Factors of the Germline piRNA Pathway. Molecular Cell, 2013, 50, 749-761.	9.7	229
11	Regulation of Ribosome Biogenesis and Protein Synthesis Controls Germline Stem Cell Differentiation. Cell Stem Cell, 2016, 18, 276-290.	11.1	199
12	Panoramix enforces piRNA-dependent cotranscriptional silencing. Science, 2015, 350, 339-342.	12.6	162
13	Deep small RNA sequencing from the nematode <i>Ascaris</i> reveals conservation, functional diversification, and novel developmental profiles. Genome Research, 2011, 21, 1462-1477.	5.5	158
14	The let-7â€“Imp axis regulates ageing of the Drosophila testis stem-cell niche. Nature, 2012, 485, 605-610.	27.8	158
15	Probing the initiation and effector phases of the somatic piRNA pathway in <i>Drosophila</i>. Genes and Development, 2010, 24, 2499-2504.	5.9	132
16	ATP synthase promotes germ cell differentiation independent of oxidative phosphorylation. Nature Cell Biology, 2015, 17, 689-696.	10.3	99
17	Production of artificial piRNAs in flies and mice. Rna, 2012, 18, 42-52.	3.5	94
18	Processing of <i>Drosophila</i> endo-siRNAs depends on a specific Loquacious isoform. Rna, 2009, 15, 1886-1895.	3.5	88

#	Article	IF	Citations
19	<i>shutdown</i> is a component of the <i>Drosophila</i> piRNA biogenesis machinery. Rna, 2012, 18, 1446-1457.	3.5	72
20	piRNA-guided co-transcriptional silencing coopts nuclear export factors. ELife, 2019, 8, .	6.0	60
21	Specialization of the <i>Drosophila</i> nuclear export family protein Nxf3 for piRNA precursor export. Genes and Development, 2019, 33, 1208-1220.	5.9	49
22	Preparation of Small RNA Libraries for High-Throughput Sequencing. Cold Spring Harbor Protocols, 2012, 2012, pdb.prot071431.	0.3	35
23	Oncogenic transformation of <i>Drosophila</i> somatic cells induces a functional piRNA pathway. Genes and Development, 2016, 30, 1623-1635.	5.9	33
24	Daedalus and Gasz recruit Armitage to mitochondria, bringing piRNA precursors to the biogenesis machinery. Genes and Development, 2019, 33, 844-856.	5.9	32
25	Dimerisation of the PICTS complex via LC8/Cut-up drives co-transcriptional transposon silencing in Drosophila. ELife, 2021, 10, .	6.0	28
26	Maternally inherited piRNAs direct transient heterochromatin formation at active transposons during early Drosophila embryogenesis. ELife, 2021, 10, .	6.0	26
27	Channel nuclear pore complex subunits are required for transposon silencing in Drosophila. ELife, 2021, 10, .	6.0	14
28	A Happy 3â€² Ending to the piRNA Maturation Story. Cell, 2016, 164, 838-840.	28.9	13
29	Small RNA Library Construction for High-Throughput Sequencing. Methods in Molecular Biology, 2014, 1093, 195-208.	0.9	13
30	An evolutionarily conserved stop codon enrichment at the 5â€² ends of mammalian piRNAs. Nature Communications, 2022, 13, 2118.	12.8	3