

# Augmenting CRISPR applications in *Drosophila* with tR

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Rapid Evolution of Manifold CRISPR Systems for Plant Genome Editing. <i>Frontiers in Plant Science</i> , 2016, 7, 1683.	1.7	73
2	Empower multiplex cell and tissue-specific CRISPR-mediated gene manipulation with self-cleaving ribozymes and tRNA. <i>Nucleic Acids Research</i> , 2017, 45, gkw1048.	6.5	55
3	CRISPR/Cas9 in insects: Applications, best practices and biosafety concerns. <i>Journal of Insect Physiology</i> , 2017, 98, 245-257.	0.9	104
4	A CRISPR-Cpf1 system for efficient genome editing and transcriptional repression in plants. <i>Nature Plants</i> , 2017, 3, 17018.	4.7	425
5	An integrated CRISPR <i>Bombyx mori</i> genome editing system with improved efficiency and expanded target sites. <i>Insect Biochemistry and Molecular Biology</i> , 2017, 83, 13-20.	1.2	34
6	Genome editing in <i>Drosophila melanogaster</i> : from basic genome engineering to the multipurpose CRISPR-Cas9 system. <i>Science China Life Sciences</i> , 2017, 60, 476-489.	2.3	12
7	Overcoming evolved resistance to population-suppressing homing-based gene drives. <i>Scientific Reports</i> , 2017, 7, 3776.	1.6	142
8	Accessing the Phenotype Gap: Enabling Systematic Investigation of Paralog Functional Complexity with CRISPR. <i>Developmental Cell</i> , 2017, 43, 6-9.	3.1	35
9	Dodging silver bullets: good CRISPR gene-drive design is critical for eradicating exotic vertebrates. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170799.	1.2	104
10	Optimized strategy for in vivo Cas9-activation in <i>Drosophila</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 9409-9414.	3.3	75
11	CRISPR-Cpf1 mediates efficient homology-directed repair and temperature-controlled genome editing. <i>Nature Communications</i> , 2017, 8, 2024.	5.8	232
12	Rescue of high-specificity Cas9 variants using sgRNAs with matched 5' nucleotides. <i>Genome Biology</i> , 2017, 18, 218.	3.8	73
13	Progress and Prospects of CRISPR/Cas Systems in Insects and Other Arthropods. <i>Frontiers in Physiology</i> , 2017, 8, 608.	1.3	126
14	Engineering the <i>Drosophila</i> Genome for Developmental Biology. <i>Journal of Developmental Biology</i> , 2017, 5, 16.	0.9	19
15	Gene Drive for Mosquito Control: Where Did It Come from and Where Are We Headed?. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 1006.	1.2	80
16	Copper and Zinc Homeostasis: Lessons from <i>Drosophila melanogaster</i> . <i>Frontiers in Genetics</i> , 2017, 8, 223.	1.1	58
17	Perfectly matched 20-nucleotide guide RNA sequences enable robust genome editing using high-fidelity SpCas9 nucleases. <i>Genome Biology</i> , 2017, 18, 191.	3.8	111
18	RNA Interference (RNAi) Screening in <i>Drosophila</i> . <i>Genetics</i> , 2018, 208, 853-874.	1.2	90

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19	Engineering Introns to Express RNA Guides for Cas9- and Cpf1-Mediated Multiplex Genome Editing. <i>Molecular Plant</i> , 2018, 11, 542-552.	3.9	81
20	Engineering CRISPR/Cpf1 with tRNA promotes genome editing capability in mammalian systems. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 3593-3607.	2.4	33
21	The multiplexed CRISPR targeting platforms. <i>Drug Discovery Today: Technologies</i> , 2018, 28, 53-61.	4.0	9
22	Identification of yellow gene family in <i>Agrotis ipsilon</i> and functional analysis of Aiyellow-y by CRISPR/Cas9. <i>Insect Biochemistry and Molecular Biology</i> , 2018, 94, 1-9.	1.2	40
23	Advances in Engineering the Fly Genome with the CRISPR-Cas System. <i>Genetics</i> , 2018, 208, 1-18.	1.2	154
24	(Po)STAC (Polycistronic SunTag modified CRISPR) enables live-cell and fixed-cell super-resolution imaging of multiple genes. <i>Nucleic Acids Research</i> , 2018, 46, e30-e30.	6.5	36
25	Enhanced Genome Editing Tools For Multi-Gene Deletion Knock-Out Approaches Using Paired CRISPR sgRNAs in CHO Cells. <i>Biotechnology Journal</i> , 2018, 13, e1700211.	1.8	34
26	Multiplexed sgRNA Expression Allows Versatile Single Nonrepetitive DNA Labeling and Endogenous Gene Regulation. <i>ACS Synthetic Biology</i> , 2018, 7, 176-186.	1.9	33
27	CRISPR/Cpf1 enables fast and simple genome editing of <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 2018, 35, 201-211.	0.8	100
28	Class 2 CRISPR/Cas: an expanding biotechnology toolbox for and beyond genome editing. <i>Cell and Bioscience</i> , 2018, 8, 59.	2.1	66
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30	A Customizable Protocol for String Assembly gRNA Cloning (STAgR). <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	1
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36	An expression atlas of variant ionotropic glutamate receptors identifies a molecular basis of carbonation sensing. <i>Nature Communications</i> , 2018, 9, 4252.	5.8	116

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38	Behavior of homing endonuclease gene drives targeting genes required for viability or female fertility with multiplexed guide RNAs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E9343-E9352.	3.3	96
39	A tRNA-based multiplex sgRNA expression system in zebrafish and its application to generation of transgenic albino fish. <i>Scientific Reports</i> , 2018, 8, 13366.	1.6	26
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49	Reducing resistance allele formation in CRISPR gene drive. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5522-5527.	3.3	233
50	Sex Differences in Intestinal Carbohydrate Metabolism Promote Food Intake and Sperm Maturation. <i>Cell</i> , 2019, 178, 901-918.e16.	13.5	101
51	Unlimited Genetic Switches for Cell-Type-Specific Manipulation. <i>Neuron</i> , 2019, 104, 227-238.e7.	3.8	29
52	CRISPR/Cas9 genome editing technology in filamentous fungi: progress and perspective. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 6919-6932.	1.7	102
53	A Secreted Ig-Domain Protein Required in Both Astrocytes and Neurons for Regulation of Drosophila Night Sleep. <i>Current Biology</i> , 2019, 29, 2547-2554.e2.	1.8	16
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63	Tissue-specific (ts)CRISPR as an efficient strategy for in vivo screening in <i>Drosophila</i> . <i>Nature Communications</i> , 2019, 10, 2113.	5.8	84
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74	Robust Wnt signaling is maintained by a <i>Wg</i> protein gradient and Fz2 receptor activity in the developing <i>Drosophila</i> wing. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	51
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117	JNK-dependent intestinal barrier failure disrupts host-microbe homeostasis during tumorigenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 9401-9412.	3.3	47
118	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
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128	Upgraded CRISPR/Cas9 tools for tissue-specific mutagenesis in <i>Drosophila</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	11
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148	Single-cell lineage tracing of metastatic cancer reveals selection of hybrid EMT states. <i>Cancer Cell</i> , 2021, 39, 1150-1162.e9.	7.7	160
149	Regulatory regions in natural transposable element insertions drive interindividual differences in response to immune challenges in <i>Drosophila</i> . <i>Genome Biology</i> , 2021, 22, 265.	3.8	22
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155	Conditional gene expression in invertebrate animal models. <i>Journal of Genetics and Genomics</i> , 2021, 48, 14-31.	1.7	8
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