Roberto Galizi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8681683/publications.pdf

Version: 2024-02-01

28	3,221	471509	454955
papers	citations	17 h-index	30 g-index

36	36	36	2570
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A CRISPR-Cas9 gene drive system targeting female reproduction in the malaria mosquito vector Anopheles gambiae. Nature Biotechnology, 2016, 34, 78-83.	17.5	985
2	A CRISPRâ€“Cas9 gene drive targeting doublesex causes complete population suppression in caged Anopheles gambiae mosquitoes. Nature Biotechnology, 2018, 36, 1062-1066.	17.5	648
3	A synthetic sex ratio distortion system for the control of the human malaria mosquito. Nature Communications, 2014, 5, 3977.	12.8	258
4	The creation and selection of mutations resistant to a gene drive over multiple generations in the malaria mosquito. PLoS Genetics, 2017, 13, e1007039.	3.5	243
5	A CRISPR-Cas9 sex-ratio distortion system for genetic control. Scientific Reports, 2016, 6, 31139.	3.3	160
6	A male-biased sex-distorter gene drive for the human malaria vector Anopheles gambiae. Nature Biotechnology, 2020, 38, 1054-1060.	17.5	153
7	Radical remodeling of the Y chromosome in a recent radiation of malaria mosquitoes. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2114-23.	7.1	92
8	Temporal and Spatial Distribution of Toxoplasma gondii Differentiation into Bradyzoites and Tissue Cyst Formation In Vivo. Infection and Immunity, 2008, 76, 3491-3501.	2.2	85
9	Site-specific genetic engineering of the Anopheles gambiae Y chromosome. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7600-7605.	7.1	79
10	Gene drives to fight malaria: current state and future directions. Pathogens and Global Health, 2017, 111, 412-423.	2.3	78
11	Regulating the expression of gene drives is key to increasing their invasive potential and the mitigation of resistance. PLoS Genetics, 2021, 17, e1009321.	3.5	72
12	The germline of the malaria mosquito produces abundant miRNAs, endo-siRNAs, piRNAs and 29-nt small RNAs. BMC Genomics, 2015, 16, 100.	2.8	44
13	A genetically encoded anti-CRISPR protein constrains gene drive spread and prevents population suppression. Nature Communications, 2021, 12, 3977.	12.8	34
14	High-resolution transcriptional profiling of Anopheles gambiae spermatogenesis reveals mechanisms of sex chromosome regulation. Scientific Reports, 2019, 9, 14841.	3.3	26
15	Expression of the glycolytic enzymes enolase and lactate dehydrogenase during the early phase of <scp>T</scp>oxoplasma differentiation is regulated by an intron retention mechanism. Molecular Microbiology, 2015, 96, 1159-1175.	2.5	25
16	Engineering CRISPR guide RNA riboswitches for in vivo applications. Current Opinion in Biotechnology, 2019, 55, 103-113.	6.6	24
17	A Code of Ethics for Gene Drive Research. CRISPR Journal, 2021, 4, 19-24.	2.9	24
18	Evidence of tRNA cleavage in apicomplexan parasites: Half-tRNAs as new potential regulatory molecules of Toxoplasma gondii and Plasmodium berghei. Molecular and Biochemical Parasitology, 2013, 188, 99-108.	1.1	22

#	Article	IF	Citations
19	Resistance to a CRISPR-based gene drive at an evolutionarily conserved site is revealed by mimicking genotype fixation. PLoS Genetics, 2021, 17, e1009740.	3.5	21
20	Cross-Species Y Chromosome Function Between Malaria Vectors of the Anopheles gambiae Species Complex. Genetics, 2017, 207, 729-740.	2.9	18
21	Crystallographic analyses illustrate significant plasticity and efficient recoding of meganuclease target specificity. Nucleic Acids Research, 2017, 45, 8621-8634.	14.5	12
22	Engineered RNA-Interacting CRISPR Guide RNAs for Genetic Sensing and Diagnostics. CRISPR Journal, 2020, 3, 398-408.	2.9	12
23	Introgression of a synthetic sex ratio distortion system from Anopheles gambiae into Anopheles arabiensis. Scientific Reports, 2019, 9, 5158.	3.3	11
24	Molecular tools and genetic markers for the generation of transgenic sexing strains in Anopheline mosquitoes. Parasites and Vectors, 2018, 11, 660.	2.5	10
25	Cellular mechanisms regulating synthetic sex ratio distortion in the Anopheles gambiae germline. Pathogens and Global Health, 2020, 114, 370-378.	2.3	10
26	The Potential for a Released Autosomal X-Shredder Becoming a Driving-Y Chromosome and Invasively Suppressing Wild Populations of Malaria Mosquitoes. Frontiers in Bioengineering and Biotechnology, 2021, 9, 752253.	4.1	8
27	Vector-Focused Approaches to Curb Malaria Transmission in the Brazilian Amazon: An Overview of Current and Future Challenges and Strategies. Tropical Medicine and Infectious Disease, 2020, 5, 161.	2.3	6
28	Genetic Technologies for Sustainable Management of Insect Pests and Disease Vectors. Sustainability, 2021, 13, 5653.	3.2	4