

Valentino M Gantz

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11861422/publications.pdf>

Version: 2024-02-01

21
papers

2,609
citations

567281

15
h-index

713466

21
g-index

30
all docs

30
docs citations

30
times ranked

1844
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly efficient Cas9-mediated gene drive for population modification of the malaria vector mosquito <i>Anopheles stephensi</i> . Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E6736-43.	7.1	841
2	The mutagenic chain reaction: A method for converting heterozygous to homozygous mutations. Science, 2015, 348, 442-444.	12.6	534
3	Safeguarding gene drive experiments in the laboratory. Science, 2015, 349, 927-929.	12.6	254
4	Super-Mendelian inheritance mediated by CRISPR-Cas9 in the female mouse germline. Nature, 2019, 566, 105-109.	27.8	206
5	The dawn of active genetics. BioEssays, 2016, 38, 50-63.	2.5	114
6	Efficient population modification gene-drive rescue system in the malaria mosquito <i>Anopheles stephensi</i> . Nature Communications, 2020, 11, 5553.	12.8	110
7	Assessment of a Split Homing Based Gene Drive for Efficient Knockout of Multiple Genes. G3: Genes, Genomes, Genetics, 2020, 10, 827-837.	1.8	67
8	Core commitments for field trials of gene drive organisms. Science, 2020, 370, 1417-1419.	12.6	67
9	Gene editing technologies and applications for insects. Current Opinion in Insect Science, 2018, 28, 66-72.	4.4	66
10	A transcomplementing gene drive provides a flexible platform for laboratory investigation and potential field deployment. Nature Communications, 2020, 11, 352.	12.8	61
11	Efficient allelic-drive in <i>Drosophila</i> . Nature Communications, 2019, 10, 1640.	12.8	59
12	Active Genetic Neutralizing Elements for Halting or Deleting Gene Drives. Molecular Cell, 2020, 80, 246-262.e4.	9.7	54
13	Small-Molecule Control of Super-Mendelian Inheritance in Gene Drives. Cell Reports, 2020, 31, 107841.	6.4	39
14	Meiotic Cas9 expression mediates gene conversion in the male and female mouse germline. PLoS Biology, 2021, 19, e3001478.	5.6	29
15	Optimized CRISPR tools and site-directed transgenesis towards gene drive development in <i>Culex quinquefasciatus</i> mosquitoes. Nature Communications, 2021, 12, 2960.	12.8	25
16	Targeting double-strand break indel byproducts with secondary guide RNAs improves Cas9 HDR-mediated genome editing efficiencies. Nature Communications, 2022, 13, 2351.	12.8	11
17	Active genetics comes alive. BioEssays, 2022, 44, .	2.5	8
18	CopyCatchers are versatile active genetic elements that detect and quantify inter-homolog somatic gene conversion. Nature Communications, 2021, 12, 2625.	12.8	7

#	ARTICLE	IF	CITATIONS
19	Evaluation of Gene Knockouts by CRISPR as Potential Targets for the Genetic Engineering of the Mosquito <i>Culex quinquefasciatus</i> . CRISPR Journal, 2021, 4, 595-608.	2.9	6
20	Double-tap gene drive uses iterative genome targeting to help overcome resistance alleles. Nature Communications, 2022, 13, 2595.	12.8	6
21	A nickase Cas9 gene-drive system promotes super-Mendelian inheritance in Drosophila. Cell Reports, 2022, 39, 110843.	6.4	3