

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 | Double-tap gene drive uses iterative genome targeting to help overcome resistance alleles. <i>Nature Communications</i> , 2022, 13, 2595. | 12.8 | 6 |
| 2 | Targeting double-strand break indel byproducts with secondary guide RNAs improves Cas9 HDR-mediated genome editing efficiencies. <i>Nature Communications</i> , 2022, 13, 2351. | 12.8 | 11 |
| 3 | A nickase Cas9 gene-drive system promotes super-Mendelian inheritance in <i>Drosophila</i> . <i>Cell Reports</i> , 2022, 39, 110843. | 6.4 | 3 |
| 4 | Active genetics comes alive. <i>BioEssays</i> , 2022, 44, . | 2.5 | 8 |
| 5 | CopyCatchers are versatile active genetic elements that detect and quantify inter-homolog somatic gene conversion. <i>Nature Communications</i> , 2021, 12, 2625. | 12.8 | 7 |
| 6 | Optimized CRISPR tools and site-directed transgenesis towards gene drive development in <i>Culex quinquefasciatus</i> mosquitoes. <i>Nature Communications</i> , 2021, 12, 2960. | 12.8 | 25 |
| 7 | Evaluation of Gene Knockouts by CRISPR as Potential Targets for the Genetic Engineering of the Mosquito <i>Culex quinquefasciatus</i> . <i>CRISPR Journal</i> , 2021, 4, 595-608. | 2.9 | 6 |
| 8 | Meiotic Cas9 expression mediates gene conversion in the male and female mouse germline. <i>PLoS Biology</i> , 2021, 19, e3001478. | 5.6 | 29 |
| 9 | Small-Molecule Control of Super-Mendelian Inheritance in Gene Drives. <i>Cell Reports</i> , 2020, 31, 107841. | 6.4 | 39 |
| 10 | Assessment of a Split Homing Based Gene Drive for Efficient Knockout of Multiple Genes. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 827-837. | 1.8 | 67 |
| 11 | Active Genetic Neutralizing Elements for Halting or Deleting Gene Drives. <i>Molecular Cell</i> , 2020, 80, 246-262.e4. | 9.7 | 54 |
| 12 | Core commitments for field trials of gene drive organisms. <i>Science</i> , 2020, 370, 1417-1419. | 12.6 | 67 |
| 13 | Efficient population modification gene-drive rescue system in the malaria mosquito <i>Anopheles stephensi</i> . <i>Nature Communications</i> , 2020, 11, 5553. | 12.8 | 110 |
| 14 | A transcomplementing gene drive provides a flexible platform for laboratory investigation and potential field deployment. <i>Nature Communications</i> , 2020, 11, 352. | 12.8 | 61 |
| 15 | Super-Mendelian inheritance mediated by CRISPR-Cas9 in the female mouse germline. <i>Nature</i> , 2019, 566, 105-109. | 27.8 | 206 |
| 16 | Efficient allelic-drive in <i>Drosophila</i> . <i>Nature Communications</i> , 2019, 10, 1640. | 12.8 | 59 |
| 17 | Gene editing technologies and applications for insects. <i>Current Opinion in Insect Science</i> , 2018, 28, 66-72. | 4.4 | 66 |
| 18 | The dawn of active genetics. <i>BioEssays</i> , 2016, 38, 50-63. | 2.5 | 114 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Safeguarding gene drive experiments in the laboratory. <i>Science</i> , 2015, 349, 927-929. | 12.6 | 254 |
| 20 | The mutagenic chain reaction: A method for converting heterozygous to homozygous mutations. <i>Science</i> , 2015, 348, 442-444. | 12.6 | 534 |
| 21 | Highly efficient Cas9-mediated gene drive for population modification of the malaria vector mosquito <i>Anopheles stephensi</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E6736-43. | 7.1 | 841 |