

Core commitments for field trials of gene drive organisms

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A Code of Ethics for Gene Drive Research. <i>CRISPR Journal</i> , 2021, 4, 19-24.	2.9	24
2	Exploring the intersections of governance, constituencies, and risk in genetic interventions. <i>Conservation Science and Practice</i> , 2021, 3, e380.	2.0	4
3	A confinable home-and-rescue gene drive for population modification. <i>ELife</i> , 2021, 10, .	6.0	42
4	Expertsâ€™ moral views on gene drive technologies: a qualitative interview study. <i>BMC Medical Ethics</i> , 2021, 22, 25.	2.4	12
5	<i>Culex quinquefasciatus</i> : status as a threat to island avifauna and options for genetic control. <i>CABI Agriculture and Bioscience</i> , 2021, 2, .	2.4	19
7	Current Effector and Gene-Drive Developments to Engineer Arbovirus-Resistant <i>Aedes aegypti</i> (Diptera: Culicidae) for a Sustainable Population Replacement Strategy in the Field. <i>Journal of Medical Entomology</i> , 2021, 58, 1987-1996.	1.8	8
9	Small-Cage Laboratory Trials of Genetically-Engineered Anopheline Mosquitoes. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	0
10	Genetic Technologies for Sustainable Management of Insect Pests and Disease Vectors. <i>Sustainability</i> , 2021, 13, 5653.	3.2	4
11	Engineered reproductively isolated species drive reversible population replacement. <i>Nature Communications</i> , 2021, 12, 3281.	12.8	21
12	Potential use of gene drive modified insects against disease vectors, agricultural pests and invasive species poses new challenges for risk assessment. <i>Critical Reviews in Biotechnology</i> , 2022, 42, 254-270.	9.0	15
13	Gene-drive suppression of mosquito populations in large cages as a bridge between lab and field. <i>Nature Communications</i> , 2021, 12, 4589.	12.8	59
14	Combating mosquito-borne diseases using genetic control technologies. <i>Nature Communications</i> , 2021, 12, 4388.	12.8	76
15	Governing Gene Drive Technologies: A Qualitative Interview Study. <i>AJOB Empirical Bioethics</i> , 2022, 13, 107-124.	1.6	9
16	Risk management recommendations for environmental releases of gene drive modified insects. <i>Biotechnology Advances</i> , 2022, 54, 107807.	11.7	14
17	Gene drives gaining speed. <i>Nature Reviews Genetics</i> , 2022, 23, 5-22.	16.3	92
18	Suppressing mosquito populations with precision guided sterile males. <i>Nature Communications</i> , 2021, 12, 5374.	12.8	73
20	Small-scale release of non-gene drive mosquitoes in Burkina Faso: from engagement implementation to assessment, a learning journey. <i>Malaria Journal</i> , 2021, 20, 395.	2.3	11
21	Genetic control of invasive sea lamprey in the Great Lakes. <i>Journal of Great Lakes Research</i> , 2021, 47, S764-S775.	1.9	12

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22	Ethical Considerations for Gene Drive: Challenges of Balancing Inclusion, Power and Perspectives. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 826727.	4.1	9
23	iGEM and Gene Drives: A Case Study for Governance. <i>Health Security</i> , 2022, 20, 26-34.	1.8	7
24	Gene drive communication: exploring experts' lived experience of metaphor use. <i>New Genetics and Society</i> , 0, , 1-20.	1.2	1
25	Gene Drives in the U.K., U.S., and Australian Press (2015–2019): How a New Focus on Responsibility Is Shaping Science Communication. <i>Science Communication</i> , 2022, 44, 143-168.	3.3	7
26	Stakeholder engagement to inform the risk assessment and governance of gene drive technology to manage spotted-wing drosophila. <i>Journal of Environmental Management</i> , 2022, 307, 114480.	7.8	4
27	The spore killers, fungal meiotic driver elements. <i>Mycologia</i> , 2022, 114, 1-23.	1.9	10
28	Articulating ethical principles guiding Target Malaria's engagement strategy. <i>Malaria Journal</i> , 2022, 21, 35.	2.3	8
29	Stakeholder Views on Engagement, Trust, Performance, and Risk Considerations About Use of Gene Drive Technology in Agricultural Pest Management. <i>Health Security</i> , 2022, 20, 6-15.	1.8	5
30	Prescribing engagement in environmental risk assessment for gene drive technology. <i>Regulation and Governance</i> , 2023, 17, 411-424.	2.9	3
31	California Residents' Perceptions of Gene Drive Systems to Control Mosquito-Borne Disease. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 848707.	4.1	7
32	Exploiting a Y chromosome-linked Cas9 for sex selection and gene drive. <i>Nature Communications</i> , 2021, 12, 7202.	12.8	9
33	Towards Integrated Management of Dengue in Mumbai. <i>Viruses</i> , 2021, 13, 2436.	3.3	4
35	Opening up, closing down, or leaving ajar? How applications are used in engaging with publics about gene drive. <i>Journal of Responsible Innovation</i> , 2022, 9, 151-172.	4.9	6
37	The Effect of Mating Complexity on Gene Drive Dynamics. <i>American Naturalist</i> , 2023, 201, E1-E22.	2.1	3
39	Research progress of CRISPR/Cas9-mediated and HDR-type gene drive technology in mosquito genetic control. <i>Scientia Sinica Vitae</i> , 2022, 52, 1522-1532.	0.3	1
40	Hurdles in responsive community engagement for the development of environmental biotechnologies. <i>Synthetic Biology</i> , 2022, 7, .	2.2	2
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43	Population Modification Using Gene Drive for Reduction of Malaria Transmission. , 2022, , 243-258.		2
44	Regulation of Transgenic Insects. , 2022, , 493-517.		1
45	Modelling Threshold-Dependent Gene Drives: a Case Study Using Engineered Underdominance. , 2022, , 259-278.		0
46	An Introduction to the Molecular Genetics of Gene Drives and Thoughts on Their Gradual Transition to Field Use. , 2022, , 1-21.		1
47	Leveraging a natural murine meiotic drive to suppress invasive populations. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	17
48	Exploring the value of a global gene drive project registry. Nature Biotechnology, 2023, 41, 9-13.	17.5	5
49	Genetic conversion of a split-drive into a full-drive element. Nature Communications, 2023, 14, .	12.8	2
50	Moving beyond narrow definitions of gene drive: Diverse perspectives and frames enable substantive dialogue among science and humanities teachers in the United States and United Kingdom. Public Understanding of Science, 2023, 32, 727-744.	2.8	1
51	Gene Drive: Past, Present and Future Roads to Vertebrate Biocontrol. , 2023, 2, 52-70.		2
53	Engagement on risk assessment for gene drive mosquitoes by EFSA and Target Malaria. Environmental Science and Policy, 2023, 142, 183-193.	4.9	3
54	Alleviating the burden of malaria with gene drive technologies? A biocentric analysis of the moral permissibility of modifying malaria mosquitoes. Journal of Medical Ethics, 2023, 49, 765-771.	1.8	0
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57	Gene Drives as Interventions into Nature: the Coproduction of Ontology and Morality in the Gene Drive Debate. NanoEthics, 2023, 17, .	0.8	1
58	A confinable female-lethal population suppression system in the malaria vector, <i>Anopheles gambiae</i> . Science Advances, 2023, 9, .	10.3	8
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62	Measuring the Impact of Genetic Heterogeneity and Chromosomal Inversions on the Efficacy of CRISPR-Cas9 Gene Drives in Different Strains of <i>Anopheles gambiae</i> . CRISPR Journal, 2023, 6, 419-429.	2.9	0
63	Manipulating the Destiny of Wild Populations Using CRISPR. Annual Review of Genetics, 2023, 57, 361-390.	7.6	2
64	Situating the social sciences in responsible innovation in the global south: the case of gene drive mosquitoes. Journal of Responsible Innovation, 2023, 10, .	4.9	2

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65	Benefits and risks of gene drives for invasive plant management - the case for common tansy. Frontiers in Agronomy, 0, 5, .	3.3	0
66	The organizational structure of global gene drive research. Global Environmental Change, 2024, 84, 102802.	7.8	0
67	Taking stock: Is gene drive research delivering on its principles?. Gates Open Research, 0, 8, 14.	1.1	0