

Rebeca Carballar-LejarazÃ°

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

752
citations

759233

12
h-index

610901

24
g-index

26
all docs

26
docs citations

26
times ranked

957
citing authors

#	ARTICLE	IF	CITATIONS
1	Beyond the eye: Kynurenine pathway impairment causes midgut homeostasis dysfunction and survival and reproductive costs in blood-feeding mosquitoes. <i>Insect Biochemistry and Molecular Biology</i> , 2022, 142, 103720.	2.7	15
2	<i>Bacillus thuringiensis</i> toxins with nematocidal activity against the pinewood nematode <i>Bursaphelenchus xylophilus</i> . <i>Journal of Invertebrate Pathology</i> , 2022, 189, 107726.	3.2	8
3	Cas9-mediated maternal effect and derived resistance alleles in a gene-drive strain of the African malaria vector mosquito, <i>Anopheles gambiae</i> . <i>Genetics</i> , 2022, , .	2.9	8
4	Population genomics in the arboviral vector <i>Aedes aegypti</i> reveals the genomic architecture and evolution of endogenous viral elements. <i>Molecular Ecology</i> , 2021, 30, 1594-1611.	3.9	37
5	Small-Cage Laboratory Trials of Genetically-Engineered Anopheline Mosquitoes. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	0
6	Digital-Droplet PCR to Detect Indels Mutations in Genetically Modified Anopheline Mosquito Populations. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	1
7	Microinjection Method for <i>Anopheles gambiae</i> Embryos. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	2
8	Genetic diversity and population structure of <i>Euscaphis japonica</i> , a monotypic species. <i>PeerJ</i> , 2021, 9, e12024.	2.0	2
9	Proteolytic Activation of <i>Bacillus thuringiensis</i> Cry3Aa Toxin in the Red Palm Weevil (Coleoptera: Curculionidae). <i>Journal of Economic Entomology</i> , 2021, 114, 2406-2411.	1.8	3
10	Identification and Characterization of Aminopeptidase-N as a Binding Protein for Cry3Aa in the Midgut of <i>Monochamus alternatus</i> (Coleoptera: Cerambycidae). <i>Journal of Economic Entomology</i> , 2020, 113, 2259-2268.	1.8	7
11	Next-generation gene drive for population modification of the malaria vector mosquito, <i>Anopheles gambiae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 22805-22814.	7.1	157
12	Characterization of Bacterial Communities Associated with <i>Rhynchophorus ferrugineus</i> Olivier (Coleoptera: Curculionidae) and its Host <i>Phoenix sylvestris</i> . <i>Current Microbiology</i> , 2020, 77, 3321-3329.	2.2	1
13	Characterization of bacterial communities associated with the pinewood nematode insect vector <i>Monochamus alternatus</i> Hope and the host tree <i>Pinus massoniana</i> . <i>BMC Genomics</i> , 2020, 21, 337.	2.8	24
14	Tracing temporal and geographic distribution of resistance to pyrethroids in the arboviral vector <i>Aedes albopictus</i> . <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008350.	3.0	13
15	Digital droplet PCR and IDAA for the detection of CRISPR indel edits in the malaria species <i>Anopheles stephensi</i> . <i>BioTechniques</i> , 2020, 68, 172-179.	1.8	8
16	Engineering of multiple trypsin/chymotrypsin sites in <i>Cry3A</i> to enhance its activity against <i>Monochamus alternatus</i> Hope larvae. <i>Pest Management Science</i> , 2020, 76, 3117-3126.	3.4	11
17	Global Governing Bodies: A Pathway for Gene Drive Governance for Vector Mosquito Control. <i>American Journal of Tropical Medicine and Hygiene</i> , 2020, 103, 976-985.	1.4	16
18	Insights Into an Unexplored Component of the Mosquito Repeatome: Distribution and Variability of Viral Sequences Integrated Into the Genome of the Arboviral Vector <i>Aedes albopictus</i> . <i>Frontiers in Genetics</i> , 2019, 10, 93.	2.3	21

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19	Experimental population modification of the malaria vector mosquito, <i>Anopheles stephensi</i> . PLoS Genetics, 2019, 15, e1008440.	3.5	101
20	Polymorphism analyses and protein modelling inform on functional specialization of Piwi ^o clade genes in the arboviral vector <i>Aedes albopictus</i> . PLoS Neglected Tropical Diseases, 2019, 13, e0007919.	3.0	16
21	Comparative transcriptome among <i>Euscaphis konishii</i> Hayata tissues and analysis of genes involved in flavonoid biosynthesis and accumulation. BMC Genomics, 2019, 20, 24.	2.8	29
22	Selection and evaluation of reference genes for qRT-PCR analysis in <i>Euscaphis konishii</i> Hayata based on transcriptome data. Plant Methods, 2018, 14, 42.	4.3	42
23	Population modification of Anopheline species to control malaria transmission. Pathogens and Global Health, 2017, 111, 424-435.	2.3	68
24	Comparative genomics shows that viral integrations are abundant and express piRNAs in the arboviral vectors <i>Aedes aegypti</i> and <i>Aedes albopictus</i> . BMC Genomics, 2017, 18, 512.	2.8	138
25	Exogenous <i>gypsy</i> insulator sequences modulate transgene expression in the malaria vector mosquito, <i>Anopheles stephensi</i> . Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 7176-7181.	7.1	22