

# Jack Hearn

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

325  
citations

1163117

8  
h-index

940533

16  
g-index

18  
all docs

18  
docs citations

18  
times ranked

290  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cis-regulatory CYP6P9b P450 variants associated with loss of insecticide-treated bed net efficacy against <i>Anopheles funestus</i> . <i>Nature Communications</i> , 2019, 10, 4652.	12.8	72
2	Genomic dissection of an extended phenotype: Oak galling by a cynipid gall wasp. <i>PLoS Genetics</i> , 2019, 15, e1008398.	3.5	44
3	An Africa-wide genomic evolution of insecticide resistance in the malaria vector <i>Anopheles funestus</i> involves selective sweeps, copy number variations, gene conversion and transposons. <i>PLoS Genetics</i> , 2020, 16, e1008822.	3.5	42
4	<i>Daphnia magna</i> microRNAs respond to nutritional stress and ageing but are not transgenerational. <i>Molecular Ecology</i> , 2018, 27, 1402-1412.	3.9	21
5	Genome-wide methylation is modified by caloric restriction in <i>Daphnia magna</i> . <i>BMC Genomics</i> , 2019, 20, 197.	2.8	21
6	Genome-Wide Transcriptional Analysis and Functional Validation Linked a Cluster of Epsilon Glutathione S-Transferases with Insecticide Resistance in the Major Malaria Vector <i>Anopheles funestus</i> across Africa. <i>Genes</i> , 2021, 12, 561.	2.4	20
7	DNA methylation differs extensively between strains of the same geographical origin and changes with age in <i>Daphnia magna</i> . <i>Epigenetics and Chromatin</i> , 2021, 14, 4.	3.9	18
8	A 6.5 kb intergenic structural variation enhances P450-mediated resistance to pyrethroids in malaria vectors lowering bed net efficacy. <i>Molecular Ecology</i> , 2020, 29, 4395-4411.	3.9	17
9	Multi-omics analysis identifies a <i>CYP9K1</i> haplotype conferring pyrethroid resistance in the malaria vector <i>Anopheles funestus</i> in East Africa. <i>Molecular Ecology</i> , 2022, 31, 3642-3657.	3.9	12
10	The cytochrome P450 CYP325A is a major driver of pyrethroid resistance in the major malaria vector <i>Anopheles funestus</i> in Central Africa. <i>Insect Biochemistry and Molecular Biology</i> , 2021, 138, 103647.	2.7	10
11	RNAseq-based gene expression profiling of the <i>Anopheles funestus</i> pyrethroid-resistant strain FUMOZ highlights the predominant role of the duplicated <i>CYP6P9a/b</i> cytochrome P450s. <i>G3: Genes, Genomes, Genetics</i> , 2022, 12, .	1.8	10
12	From Inquilines to Gall Inducers: Genomic Signature of a Life-Style Transition in <i>Synergus</i> Gall Wasps. <i>Genome Biology and Evolution</i> , 2020, 12, 2060-2073.	2.5	9
13	Exploring the Mechanisms of Multiple Insecticide Resistance in a Highly Plasmodium-Infected Malaria Vector <i>Anopheles funestus</i> Sensu Stricto from Sahel of Northern Nigeria. <i>Genes</i> , 2020, 11, 454.	2.4	9
14	CYP6P9-Driven Signatures of Selective Sweep of Metabolic Resistance to Pyrethroids in the Malaria Vector <i>Anopheles funestus</i> Reveal Contemporary Barriers to Gene Flow. <i>Genes</i> , 2020, 11, 1314.	2.4	6
15	<i>Daphnia magna</i> modifies its gene expression extensively in response to caloric restriction revealing a novel effect on haemoglobin isoform preference. <i>Molecular Ecology</i> , 2020, 29, 3261-3276.	3.9	5
16	Low-coverage genomic data resolve the population divergence and gene flow history of an Australian rain forest fig wasp. <i>Molecular Ecology</i> , 2020, 29, 3649-3666.	3.9	4
17	Identification of Parachlamydiaceae DNA in nasal and rectal passages of healthy dairy cattle. <i>Journal of Applied Microbiology</i> , 2022, 132, 2642-2648.	3.1	3
18	Gene Conversion Explains Elevated Diversity in the Immunity Modulating APL1 Gene of the Malaria Vector <i>Anopheles funestus</i> . <i>Genes</i> , 2022, 13, 1102.	2.4	2