

Oswaldo Marinotti

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92
papers

3,749
citations

38
h-index

58
g-index

95
ext. papers

4,205
ext. citations

4
avg, IF

4.77
L-index

#	Paper	IF	Citations
92	Female-specific flightless phenotype for mosquito control. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 4550-4	11.5	239
91	The <i>Anopheles gambiae</i> odorant binding protein 1 (AgamOBP1) mediates indole recognition in the antennae of female mosquitoes. <i>PLoS ONE</i> , 2010 , 5, e9471	3.7	161
90	An updated catalogue of salivary gland transcripts in the adult female mosquito, <i>Anopheles gambiae</i> . <i>Journal of Experimental Biology</i> , 2005 , 208, 3971-86	3	156
89	Genome-wide analysis of gene expression in adult <i>Anopheles gambiae</i> . <i>Insect Molecular Biology</i> , 2006 , 15, 1-12	3.4	144
88	Isolation and characterization of the gene expressing the major salivary gland protein of the female mosquito, <i>Aedes aegypti</i> . <i>Molecular and Biochemical Parasitology</i> , 1991 , 44, 245-53	1.9	116
87	Spatial mapping of gene expression in the salivary glands of the dengue vector mosquito, <i>Aedes aegypti</i> . <i>Parasites and Vectors</i> , 2011 , 4, 1	4	115
86	Microarray analysis of genes showing variable expression following a blood meal in <i>Anopheles gambiae</i> . <i>Insect Molecular Biology</i> , 2005 , 14, 365-73	3.4	115
85	Complex modulation of the <i>Aedes aegypti</i> transcriptome in response to dengue virus infection. <i>PLoS ONE</i> , 2012 , 7, e50512	3.7	96
84	The D7 family of salivary proteins in blood sucking diptera. <i>Insect Molecular Biology</i> , 2002 , 11, 149-55	3.4	93
83	RNA-seq analyses of blood-induced changes in gene expression in the mosquito vector species, <i>Aedes aegypti</i> . <i>BMC Genomics</i> , 2011 , 12, 82	4.5	92
82	Engineered resistance to <i>Plasmodium falciparum</i> development in transgenic <i>Anopheles stephensi</i> . <i>PLoS Pathogens</i> , 2011 , 7, e1002017	7.6	87
81	The transcriptome of adult female <i>Anopheles darlingi</i> salivary glands. <i>Insect Molecular Biology</i> , 2004 , 13, 73-88	3.4	87
80	Aegyptin, a novel mosquito salivary gland protein, specifically binds to collagen and prevents its interaction with platelet glycoprotein VI, integrin alpha2beta1, and von Willebrand factor. <i>Journal of Biological Chemistry</i> , 2007 , 282, 26928-26938	5.4	82
79	The genome of <i>Anopheles darlingi</i> , the main neotropical malaria vector. <i>Nucleic Acids Research</i> , 2013 , 41, 7387-400	20.1	80
78	Transgene-mediated suppression of dengue viruses in the salivary glands of the yellow fever mosquito, <i>Aedes aegypti</i> . <i>Insect Molecular Biology</i> , 2010 , 19, 753-63	3.4	78
77	Diet and salivation in female <i>Aedes aegypti</i> mosquitoes. <i>Journal of Insect Physiology</i> , 1990 , 36, 545-548	2.4	78
76	The Aquaporin gene family of the yellow fever mosquito, <i>Aedes aegypti</i> . <i>PLoS ONE</i> , 2010 , 5, e15578	3.7	75

75	Complete mtDNA genomes of <i>Anopheles darlingi</i> and an approach to anopheline divergence time. <i>Malaria Journal</i> , 2010 , 9, 127	3.6	68
74	The salivary gland transcriptome of the neotropical malaria vector <i>Anopheles darlingi</i> reveals accelerated evolution of genes relevant to hematophagy. <i>BMC Genomics</i> , 2009 , 10, 57	4.5	65
73	Characterization of the c-type lysozyme gene family in <i>Anopheles gambiae</i> . <i>Gene</i> , 2005 , 360, 131-9	3.8	59
72	The second internal transcribed spacer of nuclear ribosomal DNA as a tool for Latin American anopheline taxonomy - a critical review. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2006 , 101, 817-32	2.6	56
71	Molecular genetic manipulation of vector mosquitoes. <i>Cell Host and Microbe</i> , 2008 , 4, 417-23	23.4	55
70	Amazonian malaria vector anopheline relationships interpreted from ITS2 rDNA sequences. <i>Medical and Veterinary Entomology</i> , 2005 , 19, 208-18	2.4	54
69	Apyrase and alpha-glucosidase in the salivary glands of <i>Aedes albopictus</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1996 , 113, 675-9	2.3	53
68	An alpha-glucosidase in the salivary glands of the vector mosquito, <i>Aedes aegypti</i> . <i>Insect Biochemistry</i> , 1990 , 20, 619-623		52
67	aeGEPUCI: a database of gene expression in the dengue vector mosquito, <i>Aedes aegypti</i> . <i>BMC Research Notes</i> , 2010 , 3, 248	2.3	50
66	A salivary vasodilator in the blood-sucking bug, <i>Rhodnius prolixus</i> . <i>British Journal of Pharmacology</i> , 1990 , 101, 932-6	8.6	49
65	16S rRNA Gene Sequences from Bacteria Associated with Adult <i>Anopheles darlingi</i> (Diptera: Culicidae) Mosquitoes. <i>Journal of Medical Entomology</i> , 2008 , 45, 172-175	2.2	46
64	Comparative fitness assessment of <i>Anopheles stephensi</i> transgenic lines receptive to site-specific integration. <i>Insect Molecular Biology</i> , 2010 , 19, 263-9	3.4	41
63	Comparative genomics allows the discovery of cis-regulatory elements in mosquitoes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 3053-8	11.5	41
62	Cell death and regeneration in the midgut of the mosquito, <i>Culex quinquefasciatus</i> . <i>Journal of Insect Physiology</i> , 2007 , 53, 1307-15	2.4	41
61	Sequence analysis of the second internal transcribed spacer of ribosomal DNA in <i>Anopheles oswaldoi</i> (Diptera: Culicidae). <i>Journal of Medical Entomology</i> , 1999 , 36, 679-84	2.2	41
60	Proteomics reveals novel components of the <i>Anopheles gambiae</i> eggshell. <i>Journal of Insect Physiology</i> , 2010 , 56, 1414-9	2.4	40
59	16S rRNA gene sequences from bacteria associated with adult <i>Anopheles darlingi</i> (Diptera: Culicidae) mosquitoes. <i>Journal of Medical Entomology</i> , 2008 , 45, 172-5	2.2	40
58	Morphological and biochemical analyses of the salivary glands of the malaria vector, <i>Anopheles darlingi</i> . <i>Tissue and Cell</i> , 1999 , 31, 264-73	2.7	40

57	Nanos (nos) genes of the vector mosquitoes, <i>Anopheles gambiae</i> , <i>Anopheles stephensi</i> and <i>Aedes aegypti</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2005 , 35, 789-98	4.5	39
56	Vitellogenin and vitellin of <i>Musca domestica</i> Quantification and synthesis by fat bodies and ovaries. <i>Insect Biochemistry</i> , 1985 , 15, 77-84		39
55	Integrated proteomic and transcriptomic analysis of the <i>Aedes aegypti</i> eggshell. <i>BMC Developmental Biology</i> , 2014 , 14, 15	3.1	38
54	Collagen-binding protein, Aegyptin, regulates probing time and blood feeding success in the dengue vector mosquito, <i>Aedes aegypti</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 6946-51	11.5	36
53	Development of a population suppression strain of the human malaria vector mosquito, <i>Anopheles stephensi</i> . <i>Malaria Journal</i> , 2013 , 12, 142	3.6	36
52	Functional characterization of the promoter of the vitellogenin gene, <i>AsVg1</i> , of the malaria vector, <i>Anopheles stephensi</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2006 , 36, 694-700	4.5	34
51	The co-expression pattern of odorant binding proteins and olfactory receptors identify distinct trichoid sensilla on the antenna of the malaria mosquito <i>Anopheles gambiae</i> . <i>PLoS ONE</i> , 2013 , 8, e69412	3.7	33
50	Morphological and enzymatic analysis of the midgut of <i>Anopheles darlingi</i> during blood digestion. <i>Journal of Insect Physiology</i> , 2005 , 51, 769-76	2.4	30
49	Strain Variation in the Transcriptome of the Dengue Fever Vector, <i>Aedes aegypti</i> . <i>G3: Genes, Genomes, Genetics</i> , 2012 , 2, 103-14	3.2	29
48	Analysis of the wild-type and mutant genes encoding the enzyme kynurenine monooxygenase of the yellow fever mosquito, <i>Aedes aegypti</i> . <i>Insect Molecular Biology</i> , 2003 , 12, 483-90	3.4	29
47	Comparative susceptibility of two members of the <i>Anopheles oswaldoi</i> complex, <i>An. oswaldoi</i> and <i>An. konderi</i> , to infection by <i>Plasmodium vivax</i> . <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 1999 , 93, 381-4	2	29
46	GENETIC CONTROL OF MALARIA PARASITE TRANSMISSION: THRESHOLD LEVELS FOR INFECTION IN AN AVIAN MODEL SYSTEM. <i>American Journal of Tropical Medicine and Hygiene</i> , 2007 , 76, 1072-1078	3.2	29
45	Gene structure and expression of nanos (nos) and oskar (osk) orthologues of the vector mosquito, <i>Culex quinquefasciatus</i> . <i>Insect Molecular Biology</i> , 2008 , 17, 545-52	3.4	27
44	Salivary gland proteins of the mosquito <i>Culex quinquefasciatus</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2000 , 43, 9-15	2.3	26
43	Expression and accumulation of the two-domain odorant-binding protein <i>AaegOBP45</i> in the ovaries of blood-fed <i>Aedes aegypti</i> . <i>Parasites and Vectors</i> , 2013 , 6, 364	4	24
42	The <i>AeAct-4</i> gene is expressed in the developing flight muscles of female <i>Aedes aegypti</i> . <i>Insect Molecular Biology</i> , 2004 , 13, 563-8	3.4	24
41	The major salivary gland antigens of <i>Culex quinquefasciatus</i> are D7-related proteins. <i>Insect Biochemistry and Molecular Biology</i> , 2003 , 33, 63-71	4.5	24
40	Genome-wide patterns of gene expression during aging in the African malaria vector <i>Anopheles gambiae</i> . <i>PLoS ONE</i> , 2010 , 5, e13359	3.7	24

39	THE ANOPHELES GAMBIAE VITELLOGENIN GENE (VGT2) PROMOTER DIRECTS PERSISTENT ACCUMULATION OF A REPORTER GENE PRODUCT IN TRANSGENIC ANOPHELES STEPHENSI FOLLOWING MULTIPLE BLOODMEALS. <i>American Journal of Tropical Medicine and Hygiene</i> , 2007 , 76, 1118-1124	3.2	24
38	The accumulation of specific mRNAs following multiple blood meals in <i>Anopheles gambiae</i> . <i>Insect Molecular Biology</i> , 2005 , 14, 95-103	3.4	21
37	Expression patterns of the larval and adult hexamerin genes of <i>Musca domestica</i> . <i>Insect Molecular Biology</i> , 2000 , 9, 169-77	3.4	20
36	Lipophorin in the larval and adult stages of <i>Musca domestica</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 1987 , 6, 39-48	2.3	20
35	angaGEDUCI: <i>Anopheles gambiae</i> gene expression database with integrated comparative algorithms for identifying conserved DNA motifs in promoter sequences. <i>BMC Genomics</i> , 2006 , 7, 116	4.5	19
34	Genetic control of malaria parasite transmission: threshold levels for infection in an avian model system. <i>American Journal of Tropical Medicine and Hygiene</i> , 2007 , 76, 1072-8	3.2	18
33	Taxonomic status of <i>Ixodes didelphidis</i> (Acari: Ixodidae). <i>Journal of Medical Entomology</i> , 2002 , 39, 135-42.2		17
32	The <i>Anopheles gambiae</i> vitellogenin gene (VGT2) promoter directs persistent accumulation of a reporter gene product in transgenic <i>Anopheles stephensi</i> following multiple bloodmeals. <i>American Journal of Tropical Medicine and Hygiene</i> , 2007 , 76, 1118-24	3.2	17
31	Structure and expression of the lipophorin-encoding gene of the malaria vector, <i>Anopheles gambiae</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2006 , 144, 101-9	2.3	16
30	Genome-wide transcriptional analysis of genes associated with acute desiccation stress in <i>Anopheles gambiae</i> . <i>PLoS ONE</i> , 2011 , 6, e26011	3.7	16
29	Characterization of Bacterial Communities in Breeding Waters of <i>Anopheles darlingi</i> in Manaus in the Amazon Basin Malaria-Endemic Area. <i>Microbial Ecology</i> , 2019 , 78, 781-791	4.4	13
28	Evaluation of insecticide resistance and biochemical mechanisms in a population of <i>Culex quinquefasciatus</i> (Diptera: Culicidae) from Sã Paulo, Brazil. <i>Memorias Do Instituto Oswaldo Cruz</i> , 1999 , 94, 115-20	2.6	13
27	Uptake of storage protein by <i>Musca domestica</i> fat body. <i>Journal of Insect Physiology</i> , 1986 , 32, 819-825	2.4	13
26	Multiple blood meals in <i>Anopheles darlingi</i> (Diptera: Culicidae). <i>Journal of Vector Ecology</i> , 2012 , 37, 351-8.5		12
25	Gene expression-based biomarkers for <i>Anopheles gambiae</i> age grading. <i>PLoS ONE</i> , 2013 , 8, e69439	3.7	12
24	Morphological aspects of <i>Culex quinquefasciatus</i> salivary glands. <i>Arthropod Structure and Development</i> , 2003 , 32, 219-26	1.8	12
23	Analysis of salivary gland proteins of the mosquito <i>Anopheles darlingi</i> (Diptera: Culicidae). <i>Journal of Medical Entomology</i> , 2001 , 38, 763-7	2.2	12
22	The major acid soluble proteins of adult female <i>Anopheles darlingi</i> salivary glands include a member of the D7-related family of proteins. <i>Insect Biochemistry and Molecular Biology</i> , 2002 , 32, 1419-27.5	4.5	12

21	Structural properties of <i>Musca domestica</i> storage protein. <i>Insect Biochemistry</i> , 1986 , 16, 709-716		11
20	Intraspecific variation of second internal transcribed spacer of nuclear ribosomal DNA among populations of <i>Anopheles (Kerteszia) cruzii</i> (Diptera: Culicidae). <i>Journal of Medical Entomology</i> , 2007 , 44, 538-42	2.2	10
19	nanos-Driven expression of piggyBac transposase induces mobilization of a synthetic autonomous transposon in the malaria vector mosquito, <i>Anopheles stephensi</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2017 , 87, 81-89	4.5	9
18	Probing functional polymorphisms in the dengue vector, <i>Aedes aegypti</i> . <i>BMC Genomics</i> , 2013 , 14, 739	4.5	9
17	Intraspecific Variation of Second Internal Transcribed Spacer of Nuclear Ribosomal DNA Among Populations of <i>Anopheles (Kerteszia) cruzii</i> (Diptera: Culicidae). <i>Journal of Medical Entomology</i> , 2007 , 44, 538-542	2.2	9
16	A storage protein in <i>Rhynchosciara americana</i> (Diptera, Sciaridae). <i>Insect Biochemistry</i> , 1984 , 14, 453-461		9
15	Transcriptome sequencing and developmental regulation of gene expression in <i>Anopheles aquasalis</i> . <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e3005	4.8	8
14	Heterogeneous glycosylation of <i>Musca domestica</i> arylphorin. <i>Biochemical and Biophysical Research Communications</i> , 1988 , 151, 1004-10	3.4	8
13	A larval haemolymph protein in the eggs of <i>Rhynchosciara americana</i> . <i>Insect Biochemistry</i> , 1983 , 13, 647-653		7
12	<i>Culex quinquefasciatus</i> storage proteins. <i>PLoS ONE</i> , 2013 , 8, e77664	3.7	6
11	Endogenously-expressed NH2-terminus of circumsporozoite protein interferes with sporozoite invasion of mosquito salivary glands. <i>Malaria Journal</i> , 2016 , 15, 153	3.6	5
10	The <i>Musca domestica</i> larval hexamerin is composed of multiple, similar polypeptides. <i>Insect Biochemistry and Molecular Biology</i> , 2003 , 33, 389-95	4.5	5
9	<i>Coetzeea brasiliensis</i> gen. nov., sp. nov. isolated from larvae of <i>Anopheles darlingi</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016 , 66, 5211-5217	2.2	4
8	Nonvitellogenic female protein in <i>Musca domestica</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 1989 , 11, 245-255	2.3	3
7	Vector-Focused Approaches to Curb Malaria Transmission in the Brazilian Amazon: An Overview of Current and Future Challenges and Strategies. <i>Tropical Medicine and Infectious Disease</i> , 2020 , 5,	3.5	3
6	Culturable bacteria associated with <i>Anopheles darlingi</i> and their paratransgenesis potential. <i>Malaria Journal</i> , 2021 , 20, 40	3.6	3
5	A re-annotation of the <i>Anopheles darlingi</i> mobilome. <i>Genetics and Molecular Biology</i> , 2019 , 42, 125-131	2	2
4	What is in a name? <i>Anopheles darlingi</i> versus <i>Nyssorhynchus darlingi</i> . <i>Trends in Parasitology</i> , 2021 , 37, 856-858	6.4	2

- 3 Physical Mapping of the () Genomic Scaffolds. *Insects*, **2021**, 12, 2.8 1
- 2 Anopheles darlingi versus Nyssorhynchus darlingi, response to the discussion. *Trends in Parasitology*, **2021**, 37, 849 6.4 1
- 1 The Transcriptome of Human Malaria Vectors516-530