Osvaldo Marinotti

List of Publications by Year
in descending order

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		76196	110170
93	4,598	40	64
papers	citations	h-index	g-index

95	95	95	3875
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Female-specific flightless phenotype for mosquito control. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 4550-4554.	3.3	291
2	The Anopheles gambiae Odorant Binding Protein 1 (AgamOBP1) Mediates Indole Recognition in the Antennae of Female Mosquitoes. PLoS ONE, 2010, 5, e9471.	1.1	214
3	An updated catalogue of salivary gland transcripts in the adult female mosquito, Anopheles gambiae. Journal of Experimental Biology, 2005, 208, 3971-3986.	0.8	173
4	Genome-wide analysis of gene expression in adult Anopheles gambiae. Insect Molecular Biology, 2006, 15, 1-12.	1.0	165
5	Spatial mapping of gene expression in the salivary glands of the dengue vector mosquito, Aedes aegypti. Parasites and Vectors, 2011, 4, 1.	1.0	150
6	Complex Modulation of the Aedes aegypti Transcriptome in Response to Dengue Virus Infection. PLoS ONE, 2012, 7, e50512.	1.1	138
7	RNA-seq analyses of blood-induced changes in gene expression in the mosquito vector species, Aedes aegypti. BMC Genomics, 2011, 12, 82.	1.2	133
8	Isolation and characterization of the gene expressing the major salivary gland protein of the female mosquito, Aedes aegypti. Molecular and Biochemical Parasitology, 1991, 44, 245-253.	0.5	131
9	Microarray analysis of genes showing variable expression following a blood meal in Anopheles gambiae. Insect Molecular Biology, 2005, 14, 365-373.	1.0	130
10	Engineered Resistance to Plasmodium falciparum Development in Transgenic Anopheles stephensi. PLoS Pathogens, 2011, 7, e1002017.	2.1	114
11	Aegyptin, a Novel Mosquito Salivary Gland Protein, Specifically Binds to Collagen and Prevents Its Interaction with Platelet Glycoprotein VI, Integrin Î±2Î²1, and von Willebrand Factor. Journal of Biological Chemistry, 2007, 282, 26928-26938.	1.6	111
12	The D7 family of salivary proteins in blood sucking diptera. Insect Molecular Biology, 2002, 11, 149-155.	1.0	109
13	The Genome of Anopheles darlingi , the main neotropical malaria vector. Nucleic Acids Research, 2013, 41, 7387-7400.	6.5	102
14	The transcriptome of adult female Anopheles darlingi salivary glands. Insect Molecular Biology, 2004, 13, 73-88.	1.0	94
15	Transgeneâ€mediated suppression of dengue viruses in the salivary glands of the yellow fever mosquito, Aedes aegypti. Insect Molecular Biology, 2010, 19, 753-763.	1.0	91
16	Diet and salivation in female Aedes aegypti mosquitoes. Journal of Insect Physiology, 1990, 36, 545-548.	0.9	87
17	The Aquaporin Gene Family of the Yellow Fever Mosquito, Aedes aegypti. PLoS ONE, 2010, 5, e15578.	1.1	85
18	Complete mtDNA genomes of Anopheles darlingi and an approach to anopheline divergence time. Malaria Journal, 2010, 9, 127.	0.8	84

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19	The salivary gland transcriptome of the neotropical malaria vector Anopheles darlingi reveals accelerated evolution of genes relevant to hematophagy. BMC Genomics, 2009, 10, 57.	1.2	71
20	The second internal transcribed spacer of nuclear ribosomal DNA as a tool for Latin American anopheline taxonomy: a critical review. Memorias Do Instituto Oswaldo Cruz, 2006, 101, 817-832.	0.8	67
21	Apyrase and Î±-glucosidase in the salivary glands of Aedes albopictus. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1996, 113, 675-679.	0.7	63
22	Molecular Genetic Manipulation of Vector Mosquitoes. Cell Host and Microbe, 2008, 4, 417-423.	5.1	63
23	Amazonian malaria vector anopheline relationships interpreted from ITS2 rDNA sequences. Medical and Veterinary Entomology, 2005, 19, 208-218.	0.7	62
24	Characterization of the c-type lysozyme gene family in Anopheles gambiae. Gene, 2005, 360, 131-139.	1.0	62
25	aeGEPUCI: a database of gene expression in the dengue vector mosquito, Aedes aegypti. BMC Research Notes, 2010, 3, 248.	0.6	62
26	Integrated proteomic and transcriptomic analysis of the Aedes aegyptieggshell. BMC Developmental Biology, 2014, 14, 15.	2.1	61
27	An Î±-glucosidase in the salivary glands of the vector mosquito, Aedes aegypti. Insect Biochemistry, 1990, 20, 619-623.	1.8	60
28	Proteomics reveals novel components of the Anopheles gambiae eggshell. Journal of Insect Physiology, 2010, 56, 1414-1419.	0.9	54
29	A salivary vasodilator in the bloodâ€sucking bug, Rhodnius prolixus. British Journal of Pharmacology, 1990, 101, 932-936.	2.7	52
30	16S rRNA Gene Sequences from Bacteria Associated with Adult Anopheles darlingi (Diptera: Culicidae) Mosquitoes. Journal of Medical Entomology, 2008, 45, 172-175.	0.9	52
31	Sequence Analysis of the Second Internal Transcribed Spacer of Ribosomal DNA in Anopheles oswaldoi (Diptera: Culicidae). Journal of Medical Entomology, 1999, 36, 679-684.	0.9	50
32	Development of a population suppression strain of the human malaria vector mosquito, Anopheles stephensi. Malaria Journal, 2013, 12, 142.	0.8	49
33	Collagen-binding protein, Aegyptin, regulates probing time and blood feeding success in the dengue vector mosquito, Aedes aegypti. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6946-6951.	3.3	49
34	Cell death and regeneration in the midgut of the mosquito, Culex quinquefasciatus. Journal of Insect Physiology, 2007, 53, 1307-1315.	0.9	47
35	Comparative fitness assessment of Anopheles stephensi transgenic lines receptive to siteâ€specific integration. Insect Molecular Biology, 2010, 19, 263-269.	1.0	47
36	The Co-Expression Pattern of Odorant Binding Proteins and Olfactory Receptors Identify Distinct Trichoid Sensilla on the Antenna of the Malaria Mosquito Anopheles gambiae. PLoS ONE, 2013, 8, e69412.	1.1	47

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37	Nanos (nos) genes of the vector mosquitoes, Anopheles gambiae, Anopheles stephensi and Aedes aegypti. Insect Biochemistry and Molecular Biology, 2005, 35, 789-798.	1.2	45
38	Comparative genomics allows the discovery of cis -regulatory elements in mosquitoes. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 3053-3058.	3.3	45
39	Morphological and biochemical analyses of the salivary glands of the malaria vector, Anopheles darlingi. Tissue and Cell, 1999, 31, 264-273.	1.0	44
40	Functional characterization of the promoter of the vitellogenin gene, AsVg1, of the malaria vector, Anopheles stephensi. Insect Biochemistry and Molecular Biology, 2006, 36, 694-700.	1.2	42
41	16S rRNA Gene Sequences from Bacteria Associated with Adult <I>Anopheles darlingi</I> (Diptera: Culicidae) Mosquitoes. Journal of Medical Entomology, 2008, 45, 172-175.	0.9	42
42	Vitellogenin and vitellin of Musca domestica Quantification and synthesis by fat bodies and ovaries. Insect Biochemistry, 1985, 15, 77-84.	1.8	41
43	Analysis of the wild-type and mutant genes encoding the enzyme kynurenine monooxygenase of the yellow fever mosquito, Aedes aegypti. Insect Molecular Biology, 2003, 12, 483-490.	1.0	39
44	Expression and accumulation of the two-domain odorant-binding protein AaegOBP45 in the ovaries of blood-fed Aedes aegypti. Parasites and Vectors, 2013, 6, 364.	1.0	37
45	GENETIC CONTROL OF MALARIA PARASITE TRANSMISSION: THRESHOLD LEVELS FOR INFECTION IN AN AVIAN MODEL SYSTEM. American Journal of Tropical Medicine and Hygiene, 2007, 76, 1072-1078.	0.6	37
46	Comparative susceptibility of two members of the Anopheles oswaldoi complex, An. oswaldoi and An. konderi, to infection by Plasmodium vivax. Transactions of the Royal Society of Tropical Medicine and Hygiene, 1999, 93, 381-384.	0.7	36
47	Strain Variation in the Transcriptome of the Dengue Fever Vector,Aedes aegypti. G3: Genes, Genomes, Genetics, 2012, 2, 103-114.	0.8	36
48	The major salivary gland antigens of Culex quinquefasciatus are D7-related proteins. Insect Biochemistry and Molecular Biology, 2003, 33, 63-71.	1.2	32
49	Gene structure and expression of nanos (nos) and oskar (osk) orthologues of the vector mosquito, Culex quinquefasciatus. Insect Molecular Biology, 2008, 17, 545-552.	1.0	32
50	Salivary gland proteins of the mosquitoCulex quinquefasciatus. Archives of Insect Biochemistry and Physiology, 2000, 43, 9-15.	0.6	31
51	Genome-Wide Patterns of Gene Expression during Aging in the African Malaria Vector Anopheles gambiae. PLoS ONE, 2010, 5, e13359.	1.1	31
52	THE ANOPHELES GAMBIAE VITELLOGENIN GENE (VGT2) PROMOTER DIRECTS PERSISTENT ACCUMULATION OF A REPORTER GENE PRODUCT IN TRANSGENIC ANOPHELES STEPHENSI FOLLOWING MULTIPLE BLOODMEALS. American Journal of Tropical Medicine and Hygiene, 2007, 76, 1118-1124.	0.6	31
53	Morphological and enzymatic analysis of the midgut of Anopheles darlingi during blood digestion. Journal of Insect Physiology, 2005, 51, 769-776.	0.9	30
54	The AeAct-4 gene is expressed in the developing flight muscles of female Aedes aegypti. Insect Molecular Biology, 2004, 13, 563-568.	1.0	29

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55	The accumulation of specific mRNAs following multiple blood meals in Anopheles gambiae. Insect Molecular Biology, 2005, 14, 95-103.	1.0	28
56	Expression patterns of the larval and adult hexamerin genes of Musca domestica. Insect Molecular Biology, 2000, 9, 169-177.	1.0	27
57	Genome-Wide Transcriptional Analysis of Genes Associated with Acute Desiccation Stress in Anopheles gambiae. PLoS ONE, 2011, 6, e26011.	1.1	26
58	Evaluation of Insecticide Resistance and Biochemical Mechanisms in a Population of Culex quinquefasciatus (Diptera: Culicidae) from SÃ£o Paulo, Brazil. Memorias Do Instituto Oswaldo Cruz, 1999, 94, 115-120.	0.8	22
59	Taxonomic Status ofIxodes didelphidis(Acari: Ixodidae). Journal of Medical Entomology, 2002, 39, 135-142.	0.9	22
60	Lipophorin in the larval and adult stages ofMusca domestica. Archives of Insect Biochemistry and Physiology, 1987, 6, 39-48.	0.6	21
61	Structure and expression of the lipophorin-encoding gene of the malaria vector, Anopheles gambiae. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2006, 144, 101-109.	0.7	21
62	angaGEDUCI: Anopheles gambiae gene expression database with integrated comparative algorithms for identifying conserved DNA motifs in promoter sequences. BMC Genomics, 2006, 7, 116.	1.2	21
63	Characterization of Bacterial Communities in Breeding Waters of Anopheles darlingi in Manaus in the Amazon Basin Malaria-Endemic Area. Microbial Ecology, 2019, 78, 781-791.	1.4	21
64	Gene Expression-Based Biomarkers for Anopheles gambiae Age Grading. PLoS ONE, 2013, 8, e69439.	1.1	20
65	Genetic control of malaria parasite transmission: threshold levels for infection in an avian model system. American Journal of Tropical Medicine and Hygiene, 2007, 76, 1072-8.	0.6	20
66	The Anopheles gambiae vitellogenin gene (VGT2) promoter directs persistent accumulation of a reporter gene product in transgenic Anopheles stephensi following multiple bloodmeals. American Journal of Tropical Medicine and Hygiene, 2007, 76, 1118-24.	0.6	19
67	Multiple blood meals inAnopheles darlingi(Diptera: Culicidae). Journal of Vector Ecology, 2012, 37, 351-358.	0.5	15
68	The major acid soluble proteins of adult female Anopheles darlingi salivary glands include a member of the D7-related family of proteins. Insect Biochemistry and Molecular Biology, 2002, 32, 1419-1427.	1.2	14
69	Intraspecific Variation of Second Internal Transcribed Spacer of Nuclear Ribosomal DNA Among Populations of <I>Anopheles</I> (<I>Kerteszia</I>) <I>cruzii</I> (Diptera: Culicidae). Journal of Medical Entomology, 2007, 44, 538-542.	0.9	14
70	Culturable bacteria associated with Anopheles darlingi and their paratransgenesis potential. Malaria Journal, 2021, 20, 40.	0.8	14
71	Uptake of storage protein by Musca domestica fat body. Journal of Insect Physiology, 1986, 32, 819-825.	0.9	13
72	Analysis of Salivary Gland Proteins of the Mosquito <I>Anopheles darlingi</I> (Diptera: Culicidae). Journal of Medical Entomology, 2001, 38, 763-767.	0.9	12

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73	Morphological aspects of salivary glands. Arthropod Structure and Development, 2003, 32, 219-226.	0.8	12
74	Probing functional polymorphisms in the dengue vector, Aedes aegypti. BMC Genomics, 2013, 14, 739.	1.2	12
75	Structural properties of Musca domestica storage protein. Insect Biochemistry, 1986, 16, 709-716.	1.8	11
76	nanos-Driven expression of piggyBac transposase induces mobilization of a synthetic autonomous transposon in the malaria vector mosquito, Anopheles stephensi. Insect Biochemistry and Molecular Biology, 2017, 87, 81-89.	1.2	11
77	A storage protein in Rhynchosciara americana (Diptera, Sciaridae). Insect Biochemistry, 1984, 14, 453-461.	1.8	10
78	Coetzeea brasiliensis gen. nov., sp. nov. isolated from larvae of Anopheles darlingi. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 5211-5217.	0.8	10
79	Intraspecific Variation of Second Internal Transcribed Spacer of Nuclear Ribosomal DNA Among Populations of Anopheles (Kerteszia) cruzii (Diptera: Culicidae). Journal of Medical Entomology, 2007, 44, 538-542.	0.9	9
80	Transcriptome Sequencing and Developmental Regulation of Gene Expression in Anopheles aquasalis. PLoS Neglected Tropical Diseases, 2014, 8, e3005.	1.3	9
81	Endogenously-expressed NH2-terminus of circumsporozoite protein interferes with sporozoite invasion of mosquito salivary glands. Malaria Journal, 2016, 15, 153.	0.8	9
82	A larval haemolymph protein in the eggs of Rhynchosciara americana. Insect Biochemistry, 1983, 13, 647-653.	1.8	8
83	Heterogeneous glycosylation of Musca domestica arylphorin. Biochemical and Biophysical Research Communications, 1988, 151, 1004-1010.	1.0	8
84	Culex quinquefasciatus Storage Proteins. PLoS ONE, 2013, 8, e77664.	1.1	8
85	The Musca domestica larval hexamerin is composed of multiple, similar polypeptides. Insect Biochemistry and Molecular Biology, 2003, 33, 389-395.	1.2	7
86	Vector-Focused Approaches to Curb Malaria Transmission in the Brazilian Amazon: An Overview of Current and Future Challenges and Strategies. Tropical Medicine and Infectious Disease, 2020, 5, 161.	0.9	6
87	Larvicidal Activities against Aedes aegypti of Supernatant and Pellet Fractions from Cultured Bacillus spp. Isolated from Amazonian Microenvironments. Tropical Medicine and Infectious Disease, 2021, 6, 104.	0.9	6
88	A re-annotation of the Anopheles darlingi mobilome. Genetics and Molecular Biology, 2019, 42, 125-131.	0.6	5
89	Nonvitellogenic female protein inMusca domestica. Archives of Insect Biochemistry and Physiology, 1989, 11, 245-255.	0.6	3
90	Anopheles darlingi versus Nyssorhynchus darlingi, response to the discussion. Trends in Parasitology, 2021, 37, 849.	1.5	3

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91	What is in a name? Anopheles darlingi versus Nyssorhynchus darlingi. Trends in Parasitology, 2021, 37, 856-858.	1.5	2
92	Physical Mapping of the Anopheles (Nyssorhynchus) darlingi Genomic Scaffolds. Insects, 2021, 12, 164.	1.0	1
93	The Transcriptome of Human Malaria Vectors. , 0, , 516-530.		0