George Dimopoulos

List of Publications by Citations

170 papers	14,778 citations	61 h-index	120 g-index
203 ext. papers	17,430 ext. citations	8.1 avg, IF	6.48 L-index

#	Paper	IF	Citations
170	Genome sequence of Aedes aegypti, a major arbovirus vector. *Science*, **2007**, 316, 1718-23	33.3	867
169	Immunity-related genes and gene families in Anopheles gambiae. *Science*, **2002**, 298, 159-65	33.3	743
168	The Aedes aegypti toll pathway controls dengue virus infection. *PLoS Pathogens*, **2008**, 4, e1000098	7.6	578
167	Implication of the mosquito midgut microbiota in the defense against malaria parasites. *PLoS Pathogens*, **2009**, 5, e1000423	7.6	482
166	Evolutionary dynamics of immune-related genes and pathways in disease-vector mosquitoes. *Science*, **2007**, 316, 1738-43	33.3	461
165	Comparative genome and proteome analysis of Anopheles gambiae and Drosophila melanogaster. *Science*, **2002**, 298, 149-59	33.3	455
164	An evolutionary conserved function of the JAK-STAT pathway in anti-dengue defense. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 17841-6	11.5	380
163	Natural microbe-mediated refractoriness to Plasmodium infection in Anopheles gambiae. *Science*, **2011**, 332, 855-8	33.3	374
162	Sequencing of Culex quinquefasciatus establishes a platform for mosquito comparative genomics. *Science*, **2010**, 330, 86-8	33.3	352
161	AgDscam, a hypervariable immunoglobulin domain-containing receptor of the Anopheles gambiae innate immune system. *PLoS Biology*, **2006**, 4, e229	9.7	345
160	Regulation of sexual development of Plasmodium by translational repression. *Science*, **2006**, 313, 667-9	33.3	333
159	Anopheles gambiae immune responses to human and rodent Plasmodium parasite species. *PLoS Pathogens*, **2006**, 2, e52	7.6	329
158	Wolbachia invades Anopheles stephensi populations and induces refractoriness to Plasmodium infection. *Science*, **2013**, 340, 748-51	33.3	307
157	Discovery of insect and human dengue virus host factors. *Nature*, **2009**, 458, 1047-50	50.4	301
156	Molecular immune responses of the mosquito Anopheles gambiae to bacteria and malaria parasites. *Proceedings of the National Academy of Sciences of the United States of America*, **1997**, 94, 11508-13	11.5	301
155	The role of reactive oxygen species on Plasmodium melanotic encapsulation in Anopheles gambiae. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 14139-44	11.5	237
154	Genome expression analysis of Anopheles gambiae: responses to injury, bacterial challenge, and malaria infection. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 8814-9	11.5	236

153	Malaria infection of the mosquito Anopheles gambiae activates immune-responsive genes during critical transition stages of the parasite life cycle. *EMBO Journal*, **1998**, 17, 6115-23	13	230
152	Genome of Rhodnius prolixus, an insect vector of Chagas disease, reveals unique adaptations to hematophagy and parasite infection. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 14936-41	11.5	220
151	CTRP is essential for mosquito infection by malaria ookinetes. *EMBO Journal*, **1999**, 18, 6221-7	13	219
150	Reciprocal tripartite interactions between the Aedes aegypti midgut microbiota, innate immune system and dengue virus influences vector competence. *PLoS Neglected Tropical Diseases*, **2012**, 6, e1561	4.8	215
149	A hemocyte-like cell line established from the malaria vector Anopheles gambiae expresses six prophenoloxidase genes. *Journal of Biological Chemistry*, **1999**, 274, 11727-35	5.4	206
148	Universal features of post-transcriptional gene regulation are critical for Plasmodium zygote development. *PLoS Pathogens*, **2010**, 6, e1000767	7.6	180
147	Native microbiota shape insect vector competence for human pathogens. *Cell Host and Microbe*, **2011**, 10, 307-10	23.4	168
146	Caspar controls resistance to Plasmodium falciparum in diverse anopheline species. *PLoS Pathogens* , **2009**, 5, e1000335	7.6	165
145	Gambicin: a novel immune responsive antimicrobial peptide from the malaria vector Anopheles gambiae. *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 12630-5	11.5	153
144	P25 and P28 proteins of the malaria ookinete surface have multiple and partially redundant functions. *EMBO Journal*, **2001**, 20, 3975-83	13	152
143	Chromobacterium Csp_P reduces malaria and dengue infection in vector mosquitoes and has entomopathogenic and in vitro anti-pathogen activities. *PLoS Pathogens*, **2014**, 10, e1004398	7.6	151
142	Anopheles fibrinogen-related proteins provide expanded pattern recognition capacity against bacteria and malaria parasites. *Journal of Biological Chemistry*, **2009**, 284, 9835-44	5.4	147
141	Plasmodium activates the innate immune response of Anopheles gambiae mosquitoes. *EMBO Journal*, **1997**, 16, 6114-9	13	147
140	Mosquito immune defenses against Plasmodium infection. *Developmental and Comparative Immunology*, **2010**, 34, 387-95	3.2	145
139	Dengue virus infection of the Aedes aegypti salivary gland and chemosensory apparatus induces genes that modulate infection and blood-feeding behavior. *PLoS Pathogens*, **2012**, 8, e1002631	7.6	138
138	The Toll immune signaling pathway control conserved anti-dengue defenses across diverse Ae. aegypti strains and against multiple dengue virus serotypes. *Developmental and Comparative Immunology*, **2010**, 34, 625-9	3.2	134
137	Anopheles gambiae pilot gene discovery project: identification of mosquito innate immunity genes from expressed sequence tags generated from immune-competent cell lines. *Proceedings of the National Academy of Sciences of the United States of America*, **2000**, 97, 6619-24	11.5	132
136	Trapping cDNAs encoding secreted proteins from the salivary glands of the malaria vector Anopheles gambiae. *Proceedings of the National Academy of Sciences of the United States of America* , **1999**, 96, 1516-21	11.5	132

135	Engineered anopheles immunity to Plasmodium infection. *PLoS Pathogens*, **2011**, 7, e1002458	7.6	130
134	The mosquito microbiota influences vector competence for human pathogens. *Current Opinion in Insect Science*, **2014**, 3, 6-13	5.1	126
133	Insect immunity and its implication in mosquito-malaria interactions. *Cellular Microbiology*, **2003**, 5, 3-14	3.9	125
132	Cloning and analysis of a cecropin gene from the malaria vector mosquito, Anopheles gambiae. *Insect Molecular Biology*, **2000**, 9, 75-84	3.4	124
131	Pathogenomics of Culex quinquefasciatus and meta-analysis of infection responses to diverse pathogens. *Science*, **2010**, 330, 88-90	33.3	120
130	Dengue virus inhibits immune responses in Aedes aegypti cells. *PLoS ONE*, **2010**, 5, e10678	3.7	115
129	SOAP, a novel malaria ookinete protein involved in mosquito midgut invasion and oocyst development. *Molecular Microbiology*, **2003**, 49, 319-29	4.1	107
128	Innate immune defense against malaria infection in the mosquito. *Current Opinion in Immunology*, **2001**, 13, 79-88	7.8	107
127	The insect microbiome modulates vector competence for arboviruses. *Viruses*, **2014**, 6, 4294-313	6.2	105
126	Transcriptomic profiling of diverse Aedes aegypti strains reveals increased basal-level immune activation in dengue virus-refractory populations and identifies novel virus-vector molecular interactions. *PLoS Neglected Tropical Diseases*, **2013**, 7, e2295	4.8	105
125	Mosquito immunity against arboviruses. *Viruses*, **2014**, 6, 4479-504	6.2	102
124	Exploring Anopheles gut bacteria for Plasmodium blocking activity. *Environmental Microbiology*, **2014**, 16, 2980-94	5.2	101
123	The Anopheles innate immune system in the defense against malaria infection. *Journal of Innate Immunity*, **2014**, 6, 169-81	6.9	98
122	Anopheles Imd pathway factors and effectors in infection intensity-dependent anti-Plasmodium action. *PLoS Pathogens*, **2012**, 8, e1002737	7.6	92
121	Global gene expression analysis of Anopheles gambiae responses to microbial challenge. *Insect Biochemistry and Molecular Biology*, **2005**, 35, 709-19	4.5	86
120	Genome-wide transcriptomic profiling of Anopheles gambiae hemocytes reveals pathogen-specific signatures upon bacterial challenge and Plasmodium berghei infection. *BMC Genomics*, **2009**, 10, 257	4.5	83
119	Engineered Aedes aegypti JAK/STAT Pathway-Mediated Immunity to Dengue Virus. *PLoS Neglected Tropical Diseases*, **2017**, 11, e0005187	4.8	81
118	CRISPR/Cas9 -mediated gene knockout of Anopheles gambiae FREP1 suppresses malaria parasite infection. *PLoS Pathogens*, **2018**, 14, e1006898	7.6	80

117	Identification and characterization of differentially expressed cDNAs of the vector mosquito, Anopheles gambiae. *Proceedings of the National Academy of Sciences of the United States of America*, **1996**, 93, 13066-71	11.5	79
116	Anopheles NF-**B**-regulated splicing factors direct pathogen-specific repertoires of the hypervariable pattern recognition receptor AgDscam. *Cell Host and Microbe*, **2012**, 12, 521-30	23.4	77
115	The entomopathogenic fungus Beauveria bassiana activate toll and JAK-STAT pathway-controlled effector genes and anti-dengue activity in Aedes aegypti. *Insect Biochemistry and Molecular Biology*, **2012**, 42, 126-32	4.5	74
114	Transcriptome analysis of Aedes aegypti transgenic mosquitoes with altered immunity. *PLoS Pathogens*, **2011**, 7, e1002394	7.6	69
113	Analysis of the Plasmodium and Anopheles transcriptional repertoire during ookinete development and midgut invasion. *Journal of Biological Chemistry*, **2004**, 279, 5573-80	5.4	69
112	Molecular Responses to Zika Virus: Modulation of Infection by the Toll and Jak/Stat Immune Pathways and Virus Host Factors. *Frontiers in Microbiology*, **2017**, 8, 2050	5.7	64
111	The Gram-negative bacteria-binding protein gene family: its role in the innate immune system of anopheles gambiae and in anti-Plasmodium defence. *Insect Molecular Biology*, **2008**, 17, 39-51	3.4	62
110	Transcript profiles of Blumeria graminis development during infection reveal a cluster of genes that are potential virulence determinants. *Molecular Plant-Microbe Interactions*, **2005**, 18, 125-33	3.6	62
109	Analysis of the Plasmodium and Anopheles transcriptomes during oocyst differentiation. *Journal of Biological Chemistry*, **2004**, 279, 5581-7	5.4	61
108	Mosquito gut antiparasitic and antiviral immunity. *Developmental and Comparative Immunology*, **2016**, 64, 53-64	3.2	57
107	A cell surface mucin specifically expressed in the midgut of the malaria mosquito Anopheles gambiae. *Proceedings of the National Academy of Sciences of the United States of America*, **1999**, 96, 5610-5	11.5	57
106	Transcriptomic and functional analysis of the Anopheles gambiae salivary gland in relation to blood feeding. *BMC Genomics*, **2010**, 11, 566	4.5	56
105	Mosquito infection responses to developing filarial worms. *PLoS Neglected Tropical Diseases*, **2009**, 3, e529	4.8	53
104	Gene discovery in an invasive tephritid model pest species, the Mediterranean fruit fly, Ceratitis capitata. *BMC Genomics*, **2008**, 9, 243	4.5	53
103	Transcriptome profiling of sexual maturation and mating in the Mediterranean fruit fly, Ceratitis capitata. *PLoS ONE*, **2012**, 7, e30857	3.7	53
102	Transcriptome analysis of Anopheles stephensi-Plasmodium berghei interactions. *Molecular and Biochemical Parasitology*, **2005**, 142, 76-87	1.9	51
101	Emerging role of lipid droplets in Aedes aegypti immune response against bacteria and Dengue virus. *Scientific Reports*, **2016**, 6, 19928	4.9	49
100	Polymorphisms detected by random PCR distinguish between different chromosomal forms of Anopheles gambiae. *Proceedings of the National Academy of Sciences of the United States of America*, **1994**, 91, 10315-9	11.5	49

99	MicroRNA-regulation of Anopheles gambiae immunity to Plasmodium falciparum infection and midgut microbiota. *Developmental and Comparative Immunology*, **2015**, 49, 170-8	3.2	48
98	Immunoglobulin superfamily members play an important role in the mosquito immune system. *Developmental and Comparative Immunology*, **2008**, 32, 519-31	3.2	47
97	Bayesian coclustering of Anopheles gene expression time series: study of immune defense response to multiple experimental challenges. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 16939-44	11.5	46
96	Aedes aegypti ML and Niemann-Pick type C family members are agonists of dengue virus infection. *Developmental and Comparative Immunology*, **2014**, 43, 1-9	3.2	45
95	An -associated fungus increases susceptibility to dengue virus by modulating gut trypsin activity. *ELife*, **2017**, 6,	8.9	45
94	Molecular analysis of photic inhibition of blood-feeding in Anopheles gambiae. *BMC Physiology*, **2008**, 8, 23	0	43
93	Changes in the microbiota cause genetically modified to spread in a population. *Science*, **2017**, 357, 1396-1399	33.3	40
92	Integrated genetic map of Anopheles gambiae: use of RAPD polymorphisms for genetic, cytogenetic and STS landmarks. *Genetics*, **1996**, 143, 953-60	4	40
91	Anopheles Midgut FREP1 Mediates Plasmodium Invasion. *Journal of Biological Chemistry*, **2015**, 290, 16490-501	3.4	39
90	Cytoplasmic actin is an extracellular insect immune factor which is secreted upon immune challenge and mediates phagocytosis and direct killing of bacteria, and is a Plasmodium Antagonist. *PLoS Pathogens*, **2015**, 11, e1004631	7.6	39
89	Gametocytocidal screen identifies novel chemical classes with Plasmodium falciparum transmission blocking activity. *PLoS ONE*, **2014**, 9, e105817	3.7	39
88	Anopheles infection responses; laboratory models versus field malaria transmission systems. *Acta Tropica*, **2005**, 95, 285-91	3.2	38
87	Challenges and approaches for mosquito targeted malaria control. *Current Molecular Medicine*, **2009**, 9, 116-30	2.5	37
86	Heme Signaling Impacts Global Gene Expression, Immunity and Dengue Virus Infectivity in Aedes aegypti. *PLoS ONE*, **2015**, 10, e0135985	3.7	35
85	Suppressing dengue-2 infection by chemical inhibition of Aedes aegypti host factors. *PLoS Neglected Tropical Diseases*, **2014**, 8, e3084	4.8	34
84	Regulation of midgut cell proliferation impacts Aedes aegypti susceptibility to dengue virus. *PLoS Neglected Tropical Diseases*, **2018**, 12, e0006498	4.8	34
83	Caudal is a negative regulator of the Anopheles IMD pathway that controls resistance to Plasmodium falciparum infection. *Developmental and Comparative Immunology*, **2013**, 39, 323-32	3.2	33
82	Spatial and sex-specific dissection of the Anopheles gambiae midgut transcriptome. *BMC Genomics*, **2007**, 8, 37	4.5	33

81	The effect of hyperosmotic pressure on antibody production and gene expression in the GS-NS0 cell line. *Biotechnology and Applied Biochemistry*, **2004**, 40, 41-6	2.8	31
80	Analysis of the Anopheles gambiae genome using RAPD markers. *Insect Molecular Biology*, **1994**, 3, 149-57	3.4	31
79	Protocol for mosquito rearing (A. gambiae). *Journal of Visualized Experiments*, **2007**, 221	1.6	30
78	Anopheles gambiae immune responses to Sephadex beads: involvement of anti-Plasmodium factors in regulating melanization. *Insect Biochemistry and Molecular Biology*, **2006**, 36, 769-78	4.5	29
77	Amino acid metabolic signaling influences Aedes aegypti midgut microbiome variability. *PLoS Neglected Tropical Diseases*, **2017**, 11, e0005677	4.8	29
76	Functional genomic analyses of Enterobacter, Anopheles and Plasmodium reciprocal interactions that impact vector competence. *Malaria Journal*, **2016**, 15, 425	3.6	29
75	Bacteria- and IMD pathway-independent immune defenses against Plasmodium falciparum in Anopheles gambiae. *PLoS ONE*, **2013**, 8, e72130	3.7	28
74	Cloning and molecular characterization of two mosquito iron regulatory proteins. *Insect Biochemistry and Molecular Biology*, **2002**, 32, 579-89	4.5	27
73	The Golgi associated ERI3 is a Flavivirus host factor. *Scientific Reports*, **2016**, 6, 34379	4.9	27
72	Curious entanglements: interactions between mosquitoes, their microbiota, and arboviruses. *Current Opinion in Virology*, **2019**, 37, 26-36	7.5	26
71	Chromobacterium spp. mediate their anti-Plasmodium activity through secretion of the histone deacetylase inhibitor romidepsin. *Scientific Reports*, **2018**, 8, 6176	4.9	25
70	Diverse Host and Restriction Factors Regulate Mosquito-Pathogen Interactions. *Trends in Parasitology*, **2018**, 34, 603-616	6.4	25
69	Aminopeptidase secreted by Chromobacterium sp. Panama inhibits dengue virus infection by degrading the E protein. *PLoS Neglected Tropical Diseases*, **2018**, 12, e0006443	4.8	24
68	A natural Anopheles-associated Penicillium chrysogenum enhances mosquito susceptibility to Plasmodium infection. *Scientific Reports*, **2016**, 6, 34084	4.9	23
67	The Anopheles FBN9 immune factor mediates Plasmodium species-specific defense through transgenic fat body expression. *Developmental and Comparative Immunology*, **2017**, 67, 257-265	3.2	23
66	Protocol for dengue infections in mosquitoes (A. aegypti) and infection phenotype determination. *Journal of Visualized Experiments*, **2007**, 220	1.6	23
65	Dual roles for the ER membrane protein complex in flavivirus infection: viral entry and protein biogenesis. *Scientific Reports*, **2019**, 9, 9711	4.9	22
64	Immune Regulation of Is Species Specific and Infection Intensity Dependent. *MBio*, **2017**, 8,	7.8	22

63	Influences of the Mosquito Microbiota on Vector Competence. *Advances in Insect Physiology*, **2016**, 51, 243-291	2.5	22
62	Versatile transgenic multistage effector-gene combinations for suppression in. *Science Advances*, **2020**, 6, eaay5898	14.3	21
61	A mosquito salivary gland protein partially inhibits Plasmodium sporozoite cell traversal and transmission. *Nature Communications*, **2018**, 9, 2908	17.4	21
60	Salivary gland-specific gene expression in the malaria vector Anopheles gambiae. *Parassitologia*, **1999**, 41, 483-7		20
59	Immunization with AgTRIO, a Protein in Anopheles Saliva, Contributes to Protection against Plasmodium Infection in Mice. *Cell Host and Microbe*, **2018**, 23, 523-535.e5	23.4	18
58	Identification of anti-flaviviral drugs with mosquitocidal and anti-Zika virus activity in Aedes aegypti. *PLoS Neglected Tropical Diseases*, **2019**, 13, e0007681	4.8	18
57	Protocol for RNAi assays in adult mosquitoes (A. gambiae). *Journal of Visualized Experiments*, **2007**, 230	1.6	18
56	Low- and high-tech approaches to control Plasmodium parasite transmission by anopheles mosquitoes. *Journal of Tropical Medicine*, **2011**, 2011, 891342	2.4	17
55	Genome-wide analysis of transcriptomic divergence between laboratory colony and field Anopheles gambiae mosquitoes of the M and S molecular forms. *Insect Molecular Biology*, **2010**, 19, 695-705	3.4	17
54	Comprehensive DNA methylation analysis of the Aedes aegypti genome. *Scientific Reports*, **2016**, 6, 36444	4.9	16
53	Association of microRNAs with Argonaute proteins in the malaria mosquito Anopheles gambiae after blood ingestion. *Scientific Reports*, **2017**, 7, 6493	4.9	16
52	Chloroquine mediated modulation of Anopheles gambiae gene expression. *PLoS ONE*, **2008**, 3, e2587	3.7	15
51	Characterization of the Rel2-regulated transcriptome and proteome of Anopheles stephensi identifies new anti-Plasmodium factors. *Insect Biochemistry and Molecular Biology*, **2014**, 52, 82-93	4.5	14
50	Functional genomics studies on the innate immunity of disease vectors. *Insect Science*, **2008**, 15, 15-27	3.6	14
49	Broad spectrum immunomodulatory effects of Anopheles gambiae microRNAs and their use for transgenic suppression of Plasmodium. *PLoS Pathogens*, **2020**, 16, e1008453	7.6	13
48	Disruption of mosGILT in Anopheles gambiae impairs ovarian development and Plasmodium infection. *Journal of Experimental Medicine*, **2020**, 217,	16.6	12
47	Molecular discrimination of mosquito vectors and their pathogens. *Expert Review of Molecular Diagnostics*, **2009**, 9, 757-65	3.8	11
46	New rapid one-step PCR diagnostic assay for Plasmodium falciparum infective mosquitoes. *Scientific Reports*, **2018**, 8, 1462	4.9	10

45	Malaria parasites and the anopheles mosquito. *Chemical Immunology and Allergy*, **2002**, 80, 27-49		10
44	A mosquito mediator of parasite-induced immune priming. *Trends in Parasitology*, **2015**, 31, 402-4	6.4	9
43	Larval exposure to bacteria modulates arbovirus infection and immune gene expression in adult Aedes aegypti. *Developmental and Comparative Immunology*, **2020**, 104, 103540	3.2	9
42	Prospects and Pitfalls: Next-Generation Tools to Control Mosquito-Transmitted Disease. *Annual Review of Microbiology*, **2020**, 74, 455-475	17.5	9
41	Hydrogen cyanide produced by the soil bacterium Chromobacterium sp. Panama contributes to mortality in Anopheles gambiae mosquito larvae. *Scientific Reports*, **2018**, 8, 8358	4.9	9
40	Dynamic miRNA-mRNA interactions coordinate gene expression in adult Anopheles gambiae. *PLoS Genetics*, **2020**, 16, e1008765	6	8
39	Continuous exposure to Plasmodium results in decreased susceptibility and transcriptomic divergence of the Anopheles gambiae immune system. *BMC Genomics*, **2007**, 8, 451	4.5	8
38	Inhibition of in Adult Mosquitoes Causes Male-Specific Mortality and Diverse Transcriptome Changes. *Pathogens*, **2020**, 9,	4.5	7
37	Molecular analysis of Culex quinquefasciatus larvae responses to Lysinibacillus sphaericus Bin toxin. *PLoS ONE*, **2017**, 12, e0175473	3.7	7
36	Plasmodium falciparum Gametocyte Culture and Mosquito Infection Through Artificial Membrane Feeding. *Journal of Visualized Experiments*, **2020**,	1.6	7
35	Application of the Relationship-Based Model to Engagement for Field Trials of Genetically Engineered Malaria Vectors. *American Journal of Tropical Medicine and Hygiene*, **2020**,	3.2	7
34	Bacterial natural products in the fight against mosquito-transmitted tropical diseases. *Natural Product Reports*, **2020**, 37, 338-354	15.1	7
33	Glyphosate inhibits melanization and increases susceptibility to infection in insects. *PLoS Biology*, **2021**, 19, e3001182	9.7	7
32	Mosquito antiviral immune pathways. *Developmental and Comparative Immunology*, **2021**, 116, 103964	3.2	7
31	The mosquito adulticidal Chromobacterium sp. Panama causes transgenerational impacts on fitness parameters and elicits xenobiotic gene responses. *Parasites and Vectors*, **2018**, 11, 229	4	6
30	Transcriptional mediators Kto and Skd are involved in the regulation of the IMD pathway and anti-Plasmodium defense in Anopheles gambiae. *PLoS ONE*, **2012**, 7, e45580	3.7	6
29	Immune response-related genes associated to blocking midgut dengue virus infection in Aedes aegypti strains that differ in susceptibility. *Insect Science*, **2019**, 26, 635-648	3.6	6
28	How does Anopheles gambiae kill malaria parasites?. *Parassitologia*, **1999**, 41, 169-75		6

27	Glucose-mediated proliferation of a gut commensal bacterium promotes Plasmodium infection by increasing mosquito midgut pH. *Cell Reports*, **2021**, 35, 108992	10.6	5
26	Microbial Diversity of Adult Aedes aegypti and Water Collected from Different Mosquito Aquatic Habitats in Puerto Rico. *Microbial Ecology*, **2021**, 1	4.4	5
25	Acoustotactic response of mosquitoes in untethered flight to incidental sound. *Scientific Reports*, **2021**, 11, 1884	4.9	5
24	A Nonlive Preparation of sp. Panama (Csp_P) Is a Highly Effective Larval Mosquito Biopesticide. *Applied and Environmental Microbiology*, **2020**, 86,	4.8	4
23	Combining Sterile and Incompatible Insect Techniques for Aedes albopictus Suppression. *Trends in Parasitology*, **2019**, 35, 671-673	6.4	4
22	Prostaglandins regulate humoral immune responses in Aedes aegypti. *PLoS Neglected Tropical Diseases*, **2020**, 14, e0008706	4.8	4
21	Malaria parasite immune evasion and adaptation to its mosquito host is influenced by the acquisition of multiple blood meals		4
20	Lacking Inefficiently Transmits to Mice. *Infection and Immunity*, **2019**, 87,	3.7	3
19	Protocol for Plasmodium falciparum infections in mosquitoes and infection phenotype determination. *Journal of Visualized Experiments*, **2007**, 222	1.6	3
18	Differential display of mRNA **1997**, 261-267		3
17	Employing the Mosquito Microflora for Disease Control **2016**, 335-362		3
16	Antiviral Compounds for Blocking Arboviral Transmission in Mosquitoes. *Viruses*, **2021**, 13,	6.2	3
15	Pleiotropic Odorant-Binding Proteins Promote Aedes aegypti Reproduction and Flavivirus Transmission. *MBio*, **2021**, 12, e0253121	7.8	2
14	Additional Feeding Reveals Differences in Immune Recognition and Growth of Parasites in the Mosquito Host. *MSphere*, **2021**, 6,	5	2
13	Larval Diet Abundance Influences Size and Composition of the Midgut Microbiota of Mosquitoes. *Frontiers in Microbiology*, **2021**, 12, 645362	5.7	2
12	Mosquito transgenesis for malaria control. *Trends in Parasitology*, **2021**,	6.4	2
11	Genetic modification of Anopheles stephensi for resistance to multiple Plasmodium falciparum strains does not influence susceptibility to oRyongRyong virus or insecticides, or Wolbachia-mediated resistance to the malaria parasite. *PLoS ONE*, **2018**, 13, e0195720	3.7	1
10	Building a better mosquito: identifying the genes enabling malaria and dengue fever resistance in A. gambiae and A. aegypti mosquitoes. *Journal of Visualized Experiments*, **2007**, 233	1.6	1

List of Publications

9	Glyphosate Inhibits Melanization and Increases Susceptibility to Infection in Insects		1
8	Field-deployable molecular diagnostic platform for arbovirus detection in Aedes aegypti. *Parasites and Vectors*, **2020**, 13, 489	4	1
7	Programmed Cell Death during Malaria Parasite Infection of the Vertebrate Host and Mosquito Vector **2008**, 74-90		1
6	C-type lectin 4 regulates broad-spectrum melanization-based refractoriness to malaria parasites.. *PLoS Biology*, **2022**, 20, e3001515	9.7	0
5	Aedes aegypti Toll pathway is induced through dsRNA sensing in endosomes. *Developmental and Comparative Immunology*, **2021**, 122, 104138	3.2	0
4	Immunomodulation by Mosquito Salivary Protein AgSAP Contributes to Early Host Infection by .. *MBio*, **2021**, e0309121	7.8	0
3	Impact of transgenic immune deployment on mosquito fitness **2013**, 19-33		
2	MOSQUITO IMMUNITY TO THE MALARIA PARASITE **2008**, 181-208		
1	Transcriptome profiles of Anopheles gambiae harboring natural low-level Plasmodium infection reveal adaptive advantages for the mosquito. *Scientific Reports*, **2021**, 11, 22578	4.9	