

# Jos M C Ribeiro

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/6753352/jose-m-c-ribeiro-publications-by-citations.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

321  
papers

21,886  
citations

79  
h-index

133  
g-index

329  
ext. papers

24,711  
ext. citations

5.7  
avg, IF

6.55  
L-index

#	Paper	IF	Citations
321	The genome sequence of the malaria mosquito <i>Anopheles gambiae</i> . <i>Science</i> , <b>2002</b> , 298, 129-49	33.3	1622
320	Role of arthropod saliva in blood feeding: sialome and post-sialome perspectives. <i>Annual Review of Entomology</i> , <b>2003</b> , 48, 73-88	21.8	582
319	Comparative genome and proteome analysis of <i>Anopheles gambiae</i> and <i>Drosophila melanogaster</i> . <i>Science</i> , <b>2002</b> , 298, 149-59	33.3	455
318	Genome sequences of the human body louse and its primary endosymbiont provide insights into the permanent parasitic lifestyle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 12168-73	11.5	383
317	The role of saliva in tick feeding. <i>Frontiers in Bioscience - Landmark</i> , <b>2009</b> , 14, 2051-88	2.8	374
316	Mosquito genomics. Highly evolvable malaria vectors: the genomes of 16 <i>Anopheles</i> mosquitoes. <i>Science</i> , <b>2015</b> , 347, 1258522	33.3	372
315	Development of a natural model of cutaneous leishmaniasis: powerful effects of vector saliva and saliva preexposure on the long-term outcome of <i>Leishmania major</i> infection in the mouse ear dermis. <i>Journal of Experimental Medicine</i> , <b>1998</b> , 188, 1941-53	16.6	354
314	Sequencing of <i>Culex quinquefasciatus</i> establishes a platform for mosquito comparative genomics. <i>Science</i> , <b>2010</b> , 330, 86-8	33.3	352
313	The king cobra genome reveals dynamic gene evolution and adaptation in the snake venom system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 20651-6	11.5	344
312	Antihemostatic, antiinflammatory, and immunosuppressive properties of the saliva of a tick, <i>Ixodes dammini</i> . <i>Journal of Experimental Medicine</i> , <b>1985</b> , 161, 332-44	16.6	322
311	Toward a defined anti- <i>Leishmania</i> vaccine targeting vector antigens: characterization of a protective salivary protein. <i>Journal of Experimental Medicine</i> , <b>2001</b> , 194, 331-42	16.6	305
310	Genomic insights into the <i>Ixodes scapularis</i> tick vector of Lyme disease. <i>Nature Communications</i> , <b>2016</b> , 7, 10507	17.4	303
309	An annotated catalog of salivary gland transcripts from <i>Ixodes scapularis</i> ticks. <i>Insect Biochemistry and Molecular Biology</i> , <b>2006</b> , 36, 111-29	4.5	295
308	Ixolaris, a novel recombinant tissue factor pathway inhibitor (TFPI) from the salivary gland of the tick, <i>Ixodes scapularis</i> : identification of factor X and factor Xa as scaffolds for the inhibition of factor VIIa/tissue factor complex. <i>Blood</i> , <b>2002</b> , 99, 3602-12	2.2	224
307	Genome of <i>Rhodnius prolixus</i> , an insect vector of Chagas disease, reveals unique adaptations to hematophagy and parasite infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 14936-41	11.5	220
306	Exploring the sialome of the tick <i>Ixodes scapularis</i> . <i>Journal of Experimental Biology</i> , <b>2002</b> , 205, 2843-64	3	204
305	Toward an understanding of the biochemical and pharmacological complexity of the saliva of a hematophagous sand fly <i>Lutzomyia longipalpis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1999</b> , 96, 15155-60	11.5	200

304	Molecular mimicry of a CCR5 binding-domain in the microbial activation of dendritic cells. <i>Nature Immunology</i> , <b>2003</b> , 4, 485-90	19.1	199
303	Purification, cloning, and expression of a novel salivary anticomplement protein from the tick, <i>Ixodes scapularis</i> . <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 18717-23	5.4	196
302	Genome sequence of the tsetse fly ( <i>Glossina morsitans</i> ): vector of African trypanosomiasis. <i>Science</i> , <b>2014</b> , 344, 380-6	33.3	192
301	An annotated catalogue of salivary gland transcripts in the adult female mosquito, <i>Aedes aegypti</i> . <i>BMC Genomics</i> , <b>2007</b> , 8, 6	4.5	183
300	Function and evolution of a mosquito salivary protein family. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 1935-42	5.4	182
299	PFSETvs methylation of histone H3K36 represses virulence genes in <i>Plasmodium falciparum</i> . <i>Nature</i> , <b>2013</b> , 499, 223-7	50.4	171
298	Exploring the salivary gland transcriptome and proteome of the <i>Anopheles stephensi</i> mosquito. <i>Insect Biochemistry and Molecular Biology</i> , <b>2003</b> , 33, 717-32	4.5	166
297	<i>Brugia malayi</i> excreted/secreted proteins at the host/parasite interface: stage- and gender-specific proteomic profiling. <i>PLoS Neglected Tropical Diseases</i> , <b>2009</b> , 3, e410	4.8	163
296	Antiinflammatory and immunosuppressive activity of sialostatin L, a salivary cystatin from the tick <i>Ixodes scapularis</i> . <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 26298-307	5.4	159
295	An updated catalogue of salivary gland transcripts in the adult female mosquito, <i>Anopheles gambiae</i> . <i>Journal of Experimental Biology</i> , <b>2005</b> , 208, 3971-86	3	156
294	A deep insight into the sialotranscriptome of the gulf coast tick, <i>Amblyomma maculatum</i> . <i>PLoS ONE</i> , <b>2011</b> , 6, e28525	3.7	152
293	Role of saliva in tick/host interactions. <i>Experimental and Applied Acarology</i> , <b>1989</b> , 7, 15-20	2.1	151
292	Genome-wide analysis of gene expression in adult <i>Anopheles gambiae</i> . <i>Insect Molecular Biology</i> , <b>2006</b> , 15, 1-12	3.4	144
291	Toward a description of the sialome of the adult female mosquito <i>Aedes aegypti</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2002</b> , 32, 1101-22	4.5	143
290	Genomics of <i>Loa loa</i> , a <i>Wolbachia</i> -free filarial parasite of humans. <i>Nature Genetics</i> , <b>2013</b> , 45, 495-500	36.3	142
289	High affinity histamine-binding and antihistaminic activity of the salivary nitric oxide-carrying heme protein (nitrophorin) of <i>Rhodnius prolixus</i> . <i>Journal of Experimental Medicine</i> , <b>1994</b> , 180, 2251-7	16.6	141
288	Cloning of a salivary gland metalloprotease and characterization of gelatinase and fibrin(ogen)lytic activities in the saliva of the Lyme disease tick vector <i>Ixodes scapularis</i> . <i>Biochemical and Biophysical Research Communications</i> , <b>2003</b> , 305, 869-75	3.4	139
287	Biochemical insights derived from insect diversity. <i>Annual Review of Biochemistry</i> , <b>1992</b> , 61, 87-111	29.1	139

286	Unique features of a global human ectoparasite identified through sequencing of the bed bug genome. <i>Nature Communications</i> , <b>2016</b> , 7, 10165	17.4	137
285	Sialokinin I and II: vasodilatory tachykinins from the yellow fever mosquito <i>Aedes aegypti</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1994</b> , 91, 138-42	11.5	137
284	An insight into the transcriptome of the digestive tract of the bloodsucking bug, <i>Rhodnius prolixus</i> . <i>PLoS Neglected Tropical Diseases</i> , <b>2014</b> , 8, e2594	4.8	133
283	An insight into the salivary transcriptome and proteome of the adult female mosquito <i>Culex pipiens quinquefasciatus</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2004</b> , 34, 543-63	4.5	133
282	Comparative sialomics between hard and soft ticks: implications for the evolution of blood-feeding behavior. <i>Insect Biochemistry and Molecular Biology</i> , <b>2008</b> , 38, 42-58	4.5	132
281	The transcriptome of the salivary glands of the female western black-legged tick <i>Ixodes pacificus</i> (Acari: Ixodidae). <i>Insect Biochemistry and Molecular Biology</i> , <b>2005</b> , 35, 1142-61	4.5	132
280	Toward a catalog for the transcripts and proteins (sialome) from the salivary gland of the malaria vector <i>Anopheles gambiae</i> . <i>Journal of Experimental Biology</i> , <b>2002</b> , 205, 2429-51	3	128
279	An insight into the sialome of blood-feeding Nematocera. <i>Insect Biochemistry and Molecular Biology</i> , <b>2010</b> , 40, 767-84	4.5	127
278	The Satyr Effect: A Model Predicting Parapatry and Species Extinction. <i>American Naturalist</i> , <b>1986</b> , 128, 513-528	3.7	126
277	Exploring the sialome of the blood-sucking bug <i>Rhodnius prolixus</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2004</b> , 34, 61-79	4.5	117
276	Microarray analysis of genes showing variable expression following a blood meal in <i>Anopheles gambiae</i> . <i>Insect Molecular Biology</i> , <b>2005</b> , 14, 365-73	3.4	115
275	Purification, cloning, and expression of an apyrase from the bed bug <i>Cimex lectularius</i> . A new type of nucleotide-binding enzyme. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 30583-90	5.4	113
274	Exploring the transcriptome of the malaria sporozoite stage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2001</b> , 98, 9895-900	11.5	111
273	Prostaglandin E2 is a major inhibitor of dendritic cell maturation and function in <i>Ixodes scapularis</i> saliva. <i>Journal of Immunology</i> , <b>2007</b> , 179, 1497-505	5.3	108
272	A tick salivary protein targets cathepsin G and chymase and inhibits host inflammation and platelet aggregation. <i>Blood</i> , <b>2011</b> , 117, 736-44	2.2	107
271	<i>Bitis gabonica</i> (Gaboon viper) snake venom gland: toward a catalog for the full-length transcripts (cDNA) and proteins. <i>Gene</i> , <b>2004</b> , 337, 55-69	3.8	103
270	Penthalaris, a novel recombinant five-Kunitz tissue factor pathway inhibitor (TFPI) from the salivary gland of the tick vector of Lyme disease, <i>Ixodes scapularis</i> . <i>Thrombosis and Haemostasis</i> , <b>2004</b> , 91, 886-98	7	99
269	An insight into the sialome of the blood-sucking bug <i>Triatoma infestans</i> , a vector of Chagas' disease. <i>Insect Biochemistry and Molecular Biology</i> , <b>2008</b> , 38, 213-32	4.5	98

268	Purification, cloning, expression, and mechanism of action of a novel platelet aggregation inhibitor from the salivary gland of the blood-sucking bug, <i>Rhodnius prolixus</i> . <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 12639-50	5.4	97
267	An insight into the sialome of the adult female mosquito <i>Aedes albopictus</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2007</b> , 37, 107-27	4.5	96
266	Deconstructing tick saliva: non-protein molecules with potent immunomodulatory properties. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 10960-9	5.4	95
265	Anophelin: kinetics and mechanism of thrombin inhibition. <i>Biochemistry</i> , <b>1999</b> , 38, 16678-85	3.2	94
264	<i>Amblyomma americanum</i> : characterization of salivary prostaglandins E2 and F2 alpha by RP-HPLC/bioassay and gas chromatography-mass spectrometry. <i>Experimental Parasitology</i> , <b>1992</b> , 74, 112-6	2.1	94
263	Multifunctionality and mechanism of ligand binding in a mosquito antiinflammatory protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 3728-33	11.5	93
262	The D7 family of salivary proteins in blood sucking diptera. <i>Insect Molecular Biology</i> , <b>2002</b> , 11, 149-55	3.4	93
261	Structure and function of a "yellow" protein from saliva of the sand fly <i>Lutzomyia longipalpis</i> that confers protective immunity against <i>Leishmania major</i> infection. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 32383-93	5.4	91
260	Chitinases of the avian malaria parasite <i>Plasmodium gallinaceum</i> , a class of enzymes necessary for parasite invasion of the mosquito midgut. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 10331-41	5.4	91
259	Towards a semen proteome of the dengue vector mosquito: protein identification and potential functions. <i>PLoS Neglected Tropical Diseases</i> , <b>2011</b> , 5, e989	4.8	90
258	Nitric oxide binding and crystallization of recombinant nitrophorin I, a nitric oxide transport protein from the blood-sucking bug <i>Rhodnius prolixus</i> . <i>Biochemistry</i> , <b>1997</b> , 36, 4423-8	3.2	90
257	An insight into the sialome of the soft tick, <i>Ornithodoros parkeri</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2008</b> , 38, 1-21	4.5	88
256	Function, mechanism and evolution of the moubatin-clade of soft tick lipocalins. <i>Insect Biochemistry and Molecular Biology</i> , <b>2008</b> , 38, 841-52	4.5	88
255	Delayed-type hypersensitivity to <i>Phlebotomus papatasi</i> sand fly bite: An adaptive response induced by the fly?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2000</b> , 97, 6704-9	11.5	88
254	<i>Ixodes scapularis</i> : salivary kininase activity is a metallo dipeptidyl carboxypeptidase. <i>Experimental Parasitology</i> , <b>1998</b> , 89, 213-21	2.1	87
253	The transcriptome of adult female <i>Anopheles darlingi</i> salivary glands. <i>Insect Molecular Biology</i> , <b>2004</b> , 13, 73-88	3.4	87
252	The role of salivary lipocalins in blood feeding by <i>Rhodnius prolixus</i> . <i>Archives of Insect Biochemistry and Physiology</i> , <b>2005</b> , 58, 97-105	2.3	86
251	An insight into the sialome of <i>Anopheles funestus</i> reveals an emerging pattern in anopheline salivary protein families. <i>Insect Biochemistry and Molecular Biology</i> , <b>2007</b> , 37, 164-75	4.5	84

250	Stage-specific proteomic expression patterns of the human filarial parasite <i>Brugia malayi</i> and its endosymbiont <i>Wolbachia</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 9649-54	11.5	82
249	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> , <b>2007</b> , 282, 26928-26938	5.4	82
248	Transposable elements as population drive mechanisms: specification of critical parameter values. <i>Journal of Medical Entomology</i> , <b>1994</b> , 31, 10-6	2.2	82
247	<i>Ixodes dammini</i> : salivary anaphylatoxin inactivating activity. <i>Experimental Parasitology</i> , <b>1986</b> , 62, 292-7	2.1	82
246	Tick saliva is a potent inhibitor of endothelial cell proliferation and angiogenesis. <i>Thrombosis and Haemostasis</i> , <b>2005</b> , 94, 167-74	7	81
245	Genome analysis of a major urban malaria vector mosquito, <i>Anopheles stephensi</i> . <i>Genome Biology</i> , <b>2014</b> , 15, 459	18.3	80
244	The genome of <i>Anopheles darlingi</i> , the main neotropical malaria vector. <i>Nucleic Acids Research</i> , <b>2013</b> , 41, 7387-400	20.1	80
243	Blood-feeding in mosquitoes: probing time and salivary gland anti-haemostatic activities in representatives of three genera ( <i>Aedes</i> , <i>Anopheles</i> , <i>Culex</i> ). <i>Medical and Veterinary Entomology</i> , <b>2000</b> , 14, 142-8	2.4	80
242	Structure, function, and evolution of biogenic amine-binding proteins in soft ticks. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 18721-33	5.4	79
241	An insight into the salivary transcriptome and proteome of the soft tick and vector of epizootic bovine abortion, <i>Ornithodoros coriaceus</i> . <i>Journal of Proteomics</i> , <b>2008</b> , 71, 493-512	3.9	79
240	Selective cysteine protease inhibition contributes to blood-feeding success of the tick <i>Ixodes scapularis</i> . <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 29256-63	5.4	79
239	An insight into the sialotranscriptome of the brown dog tick, <i>Rhipicephalus sanguineus</i> . <i>BMC Genomics</i> , <b>2010</b> , 11, 450	4.5	78
238	Purification, cloning, and synthesis of a novel salivary anti-thrombin from the mosquito <i>Anopheles albimanus</i> . <i>Biochemistry</i> , <b>1999</b> , 38, 11209-15	3.2	78
237	Human probing behavior of <i>Aedes aegypti</i> when infected with a life-shortening strain of <i>Wolbachia</i> . <i>PLoS Neglected Tropical Diseases</i> , <b>2009</b> , 3, e568	4.8	77
236	The immunomodulatory action of sialostatin L on dendritic cells reveals its potential to interfere with autoimmunity. <i>Journal of Immunology</i> , <b>2009</b> , 182, 7422-9	5.3	76
235	Inhibition of hemostasis by a high affinity biogenic amine-binding protein from the saliva of a blood-feeding insect. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 4611-7	5.4	74
234	An Insight into the Sialome of the Lone Star Tick, <i>Amblyomma americanum</i> , with a Glimpse on Its Time Dependent Gene Expression. <i>PLoS ONE</i> , <b>2015</b> , 10, e0131292	3.7	73
233	Cutting edge: Immunity against a "silent" salivary antigen of the Lyme vector <i>Ixodes scapularis</i> impairs its ability to feed. <i>Journal of Immunology</i> , <b>2008</b> , 181, 5209-12	5.3	73

232	Nitric oxide synthase activity from a hematophagous insect salivary gland. <i>FEBS Letters</i> , <b>1993</b> , 330, 165-8	8.8	73
231	Tissue- and time-dependent transcription in Ixodes ricinus salivary glands and midguts when blood feeding on the vertebrate host. <i>Scientific Reports</i> , <b>2015</b> , 5, 9103	4.9	72
230	The sialotranscriptome of the blood-sucking bug Triatoma brasiliensis (Hemiptera, Triatominae). <i>Insect Biochemistry and Molecular Biology</i> , <b>2007</b> , 37, 702-12	4.5	72
229	The salivary and crop apyrase activity of Rhodnius prolixus. <i>Journal of Insect Physiology</i> , <b>1980</b> , 26, 303-307	7.4	72
228	De novo Ixodes ricinus salivary gland transcriptome analysis using two next-generation sequencing methodologies. <i>FASEB Journal</i> , <b>2013</b> , 27, 4745-56	0.9	71
227	A catalog for the transcripts from the venomous structures of the caterpillar Lonomia obliqua: identification of the proteins potentially involved in the coagulation disorder and hemorrhagic syndrome. <i>Gene</i> , <b>2005</b> , 355, 11-27	3.8	71
226	The genome of Onchocerca volvulus, agent of river blindness. <i>Nature Microbiology</i> , <b>2016</b> , 2, 16216	26.6	69
225	An insight into the sialome of Glossina morsitans morsitans. <i>BMC Genomics</i> , <b>2010</b> , 11, 213	4.5	69
224	Analysis of the Plasmodium and Anopheles transcriptional repertoire during ookinete development and midgut invasion. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 5573-80	5.4	69
223	Recognition of anionic phospholipid membranes by an antihemostatic protein from a blood-feeding insect. <i>Biochemistry</i> , <b>2004</b> , 43, 6987-94	3.2	69
222	The crystal structure of D7r4, a salivary biogenic amine-binding protein from the malaria mosquito Anopheles gambiae. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 36626-33	5.4	66
221	The salivary gland transcriptome of the neotropical malaria vector Anopheles darlingi reveals accelerated evolution of genes relevant to hematophagy. <i>BMC Genomics</i> , <b>2009</b> , 10, 57	4.5	65
220	Salivary gland apyrase determines probing time in anopheline mosquitoes. <i>Journal of Insect Physiology</i> , <b>1985</b> , 31, 689-692	2.4	65
219	A catalogue of Anopheles gambiae transcripts significantly more or less expressed following a blood meal. <i>Insect Biochemistry and Molecular Biology</i> , <b>2003</b> , 33, 865-82	4.5	63
218	Lundep, a sand fly salivary endonuclease increases Leishmania parasite survival in neutrophils and inhibits XIIa contact activation in human plasma. <i>PLoS Pathogens</i> , <b>2014</b> , 10, e1003923	7.6	62
217	Role of salivary antihemostatic components in blood feeding by triatomine bugs (Heteroptera). <i>Journal of Medical Entomology</i> , <b>1998</b> , 35, 599-610	2.2	62
216	A systems level analysis reveals transcriptomic and proteomic complexity in Ixodes ricinus midgut and salivary glands during early attachment and feeding. <i>Molecular and Cellular Proteomics</i> , <b>2014</b> , 13, 2725-35	7.6	61
215	Analysis of the Plasmodium and Anopheles transcriptomes during oocyst differentiation. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 5581-7	5.4	61

214	Comparative genomics of insect juvenile hormone biosynthesis. <i>Insect Biochemistry and Molecular Biology</i> , <b>2006</b> , 36, 366-74	4.5	60
213	Anti-tick antibodies: an epidemiologic tool in Lyme disease research. <i>American Journal of Epidemiology</i> , <b>1990</b> , 132, 58-66	3.8	60
212	Enhanced mosquito blood-finding success on parasitemic hosts: evidence for vector-parasite mutualism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1985</b> , 82, 7725-7	11.5	60
211	Characterization of anti-hemostatic factors in the argasid, <i>Argas monolakensis</i> : implications for the evolution of blood-feeding in the soft tick family. <i>Insect Biochemistry and Molecular Biology</i> , <b>2008</b> , 38, 22-41	4.5	59
210	Ixolaris: a factor Xa heparin-binding exosite inhibitor. <i>Biochemical Journal</i> , <b>2005</b> , 387, 871-7	3.8	59
209	Insight into the Sialome of the Bed Bug, <i>Cimex lectularius</i> . <i>Journal of Proteome Research</i> , <b>2010</b> , 9, 3820-346	3.6	58
208	A mosquito lipoxin/lipocalin complex mediates innate immune priming in <i>Anopheles gambiae</i> . <i>Nature Communications</i> , <b>2015</b> , 6, 7403	17.4	57
207	The sialotranscriptome of <i>Amblyomma triste</i> , <i>Amblyomma parvum</i> and <i>Amblyomma cajennense</i> ticks, uncovered by 454-based RNA-seq. <i>Parasites and Vectors</i> , <b>2014</b> , 7, 430	4	57
206	The salivary adenosine deaminase from the sand fly <i>Lutzomyia longipalpis</i> . <i>Experimental Parasitology</i> , <b>2000</b> , 95, 45-53	2.1	57
205	Reconstructing the flight kinematics of swarming and mating in wild mosquitoes. <i>Journal of the Royal Society Interface</i> , <b>2012</b> , 9, 2624-38	4.1	56
204	Cutinase-like proteins of <i>Mycobacterium tuberculosis</i> : characterization of their variable enzymatic functions and active site identification. <i>FASEB Journal</i> , <b>2009</b> , 23, 1694-704	0.9	55
203	The salivary purine nucleosidase of the mosquito, <i>Aedes aegypti</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2003</b> , 33, 13-22	4.5	55
202	RNA-seq analyses of the midgut from blood- and serum-fed <i>Ixodes ricinus</i> ticks. <i>Scientific Reports</i> , <b>2016</b> , 6, 36695	4.9	54
201	Differential salivary gland transcript expression profile in <i>Ixodes scapularis</i> nymphs upon feeding or flavivirus infection. <i>Ticks and Tick-borne Diseases</i> , <b>2012</b> , 3, 18-26	3.6	54
200	A novel clade of cysteinyl leukotriene scavengers in soft ticks. <i>Insect Biochemistry and Molecular Biology</i> , <b>2008</b> , 38, 862-70	4.5	54
199	An insight into the sialome of the oriental rat flea, <i>Xenopsylla cheopis</i> (Rots). <i>BMC Genomics</i> , <b>2007</b> , 8, 102	4.5	54
198	Antithrombotic properties of Ixolaris, a potent inhibitor of the extrinsic pathway of the coagulation cascade. <i>Thrombosis and Haemostasis</i> , <b>2006</b> , 96, 7-13	7	54
197	Platelet antiaggregating activity in the salivary secretion of the blood sucking bug <i>Rhodnius prolixus</i> . <i>Experientia</i> , <b>1981</b> , 37, 384-6		54



196	Identification and characterization of seminal fluid proteins in the Asian tiger mosquito, <i>Aedes albopictus</i> . <i>PLoS Neglected Tropical Diseases</i> , <b>2014</b> , 8, e2946	4.8	52
195	A novel family of RGD-containing disintegrins (Tablysin-15) from the salivary gland of the horsefly <i>Tabanus yao</i> targets $\alpha\text{IIb}\beta_3$ or $\alpha\text{V}\beta_3$ and inhibits platelet aggregation and angiogenesis. <i>Thrombosis and Haemostasis</i> , <b>2011</b> , 105, 1032-45	7	52
194	An insight into the sialotranscriptome and proteome of the coarse bontlegged tick, <i>Hyalomma marginatum rufipes</i> . <i>Journal of Proteomics</i> , <b>2011</b> , 74, 2892-908	3.9	52
193	Biochemical and functional characterization of recombinant <i>Rhodnius prolixus</i> platelet aggregation inhibitor 1 as a novel lipocalin with high affinity for adenosine diphosphate and other adenine nucleotides. <i>Biochemistry</i> , <b>2002</b> , 41, 3810-8	3.2	52
192	Transcriptome analysis of <i>Anopheles stephensi</i> - <i>Plasmodium berghei</i> interactions. <i>Molecular and Biochemical Parasitology</i> , <b>2005</b> , 142, 76-87	1.9	51
191	Proteome of <i>Rhipicephalus sanguineus</i> tick saliva induced by the secretagogues pilocarpine and dopamine. <i>Ticks and Tick-borne Diseases</i> , <b>2013</b> , 4, 469-77	3.6	50
190	Salivary antigen-5/CAP family members are $\text{Cu}^{2+}$ -dependent antioxidant enzymes that scavenge $\text{O}_2^-$ and inhibit collagen-induced platelet aggregation and neutrophil oxidative burst. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 14341-14361	5.4	50
189	Structure and dynamics of male swarms of <i>Anopheles gambiae</i> . <i>Journal of Medical Entomology</i> , <b>2009</b> , 46, 227-35	2.2	50
188	Lufaxin, a novel factor Xa inhibitor from the salivary gland of the sand fly <i>Lutzomyia longipalpis</i> blocks protease-activated receptor 2 activation and inhibits inflammation and thrombosis in vivo. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2012</b> , 32, 2185-98	9.4	50
187	Salivary vasodilators of <i>Aedes triseriatus</i> and <i>Anopheles gambiae</i> (Diptera: Culicidae). <i>Journal of Medical Entomology</i> , <b>1994</b> , 31, 747-53	2.2	50
186	Nitrophorin-2: a novel mixed-type reversible specific inhibitor of the intrinsic factor-X activating complex. <i>Biochemistry</i> , <b>1998</b> , 37, 10681-90	3.2	49
185	The function and three-dimensional structure of a thromboxane $\text{A}_2$ /cysteinyl leukotriene-binding protein from the saliva of a mosquito vector of the malaria parasite. <i>PLoS Biology</i> , <b>2010</b> , 8, e1000547	9.7	47
184	Sialome diversity of ticks revealed by RNAseq of single tick salivary glands. <i>PLoS Neglected Tropical Diseases</i> , <b>2018</b> , 12, e0006410	4.8	47
183	The sialotranscriptome of <i>Antricola delacruzi</i> female ticks is compatible with non-hematophagous behavior and an alternative source of food. <i>Insect Biochemistry and Molecular Biology</i> , <b>2012</b> , 42, 332-42	4.5	46
182	cDNA sequences reveal considerable gene prediction inaccuracy in the <i>Plasmodium falciparum</i> genome. <i>BMC Genomics</i> , <b>2007</b> , 8, 255	4.5	46
181	Platelet release reaction and aggregation induced by canatoxin, a convulsant protein: evidence for the involvement of the platelet lipoxygenase pathway. <i>British Journal of Pharmacology</i> , <b>1985</b> , 84, 551-60	8.6	46
180	<i>Aedes aegypti</i> : model for blood finding strategy and prediction of parasite manipulation. <i>Experimental Parasitology</i> , <b>1985</b> , 60, 118-32	2.1	46
179	Insight into the sialome of the Black Fly, <i>Simulium vittatum</i> . <i>Journal of Proteome Research</i> , <b>2009</b> , 8, 1474-88	3.8	45

178	Gene discovery in <i>Boophilus microplus</i> , the cattle tick: the transcriptomes of ovaries, salivary glands, and hemocytes. <i>Annals of the New York Academy of Sciences</i> , <b>2004</b> , 1026, 242-6	6.5	45
177	dCAS: a desktop application for cDNA sequence annotation. <i>Bioinformatics</i> , <b>2009</b> , 25, 1195-6	7.2	44
176	The expression of genes coding for distinct types of glycine-rich proteins varies according to the biology of three metastriate ticks, <i>Rhipicephalus (Boophilus) microplus</i> , <i>Rhipicephalus sanguineus</i> and <i>Amblyomma cajennense</i> . <i>BMC Genomics</i> , <b>2010</b> , 11, 363	4.5	44
175	A novel secreted endonuclease from <i>Culex quinquefasciatus</i> salivary glands. <i>Journal of Experimental Biology</i> , <b>2006</b> , 209, 2651-9	3	44
174	Cloning and characterization of trypsin- and chymotrypsin-like proteases from the midgut of the sand fly vector <i>Phlebotomus papatasi</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2003</b> , 33, 163-71	4.5	44
173	<i>Rhodnius prolixus</i> : salivary antihemostatic components decrease with <i>Trypanosoma rangeli</i> infection. <i>Experimental Parasitology</i> , <b>1994</b> , 78, 287-93	2.1	44
172	Midgut glycosidases of <i>Rhodnius prolixus</i> . <i>Insect Biochemistry</i> , <b>1984</b> , 14, 103-108		44
171	A Deep Insight into the Sialome of Male and Female <i>Aedes aegypti</i> Mosquitoes. <i>PLoS ONE</i> , <b>2016</b> , 11, e0151400	3.7	44
170	Sexual differences in the sialomes of the zebra tick, <i>Rhipicephalus pulchellus</i> . <i>Journal of Proteomics</i> , <b>2015</b> , 117, 120-44	3.9	43
169	The <i>Anopheles gambiae</i> salivary protein gSG6: an anopheline-specific protein with a blood-feeding role. <i>Insect Biochemistry and Molecular Biology</i> , <b>2009</b> , 39, 457-66	4.5	43
168	Analysis of the Salivary Gland Transcriptome of Unfed and Partially Fed Ticks and Descriptive Proteome of the Saliva. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2017</b> , 7, 476	5.9	42
167	The sialotranscriptome of adult male <i>Anopheles gambiae</i> mosquitoes. <i>Insect Biochemistry and Molecular Biology</i> , <b>2006</b> , 36, 570-5	4.5	42
166	Structure of protein having inhibitory disintegrin and leukotriene scavenging functions contained in single domain. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 10967-76	5.4	41
165	Desmolaris, a novel factor XIa anticoagulant from the salivary gland of the vampire bat ( <i>Desmodus rotundus</i> ) inhibits inflammation and thrombosis in vivo. <i>Blood</i> , <b>2013</b> , 122, 4094-106	2.2	40
164	Characterisation of divergent flavivirus NS3 and NS5 protein sequences detected in <i>Rhipicephalus microplus</i> ticks from Brazil. <i>Memorias Do Instituto Oswaldo Cruz</i> , <b>2014</b> , 109, 38-50	2.6	40
163	Functional transcriptomics of wild-caught <i>Lutzomyia intermedia</i> salivary glands: identification of a protective salivary protein against <i>Leishmania braziliensis</i> infection. <i>PLoS Neglected Tropical Diseases</i> , <b>2013</b> , 7, e2242	4.8	40
162	Transcriptional analysis of in vivo <i>Plasmodium yoelii</i> liver stage gene expression. <i>Molecular and Biochemical Parasitology</i> , <b>2005</b> , 142, 177-83	1.9	40
161	AnoXcel: an <i>Anopheles gambiae</i> protein database. <i>Insect Molecular Biology</i> , <b>2004</b> , 13, 449-57	3.4	39

160	Simulium vittatum (Diptera: Simuliidae) and Lutzomyia longipalpis (Diptera: Psychodidae) salivary gland hyaluronidase activity. <i>Journal of Medical Entomology</i> , <b>2000</b> , 37, 743-7	2.2	39
159	Effect of ATP analogues on the gorging response of Aedes aegypti. <i>Physiological Entomology</i> , <b>1985</b> , 10, 275-281	1.9	39
158	Updating the salivary gland transcriptome of Phlebotomus papatasi (Tunisian strain): the search for sand fly-secreted immunogenic proteins for humans. <i>PLoS ONE</i> , <b>2012</b> , 7, e47347	3.7	39
157	Insight into the salivary transcriptome and proteome of Dipetalogaster maxima. <i>Journal of Proteome Research</i> , <b>2011</b> , 10, 669-79	5.6	38
156	The distribution of hatching time in Anopheles gambiae. <i>Malaria Journal</i> , <b>2006</b> , 5, 19	3.6	38
155	Stage-Specific Transcriptome and Proteome Analyses of the Filarial Parasite Onchocerca volvulus and Its Wolbachia Endosymbiont. <i>MBio</i> , <b>2016</b> , 7,	7.8	37
154	Comparative analysis of salivary gland transcriptomes of Phlebotomus orientalis sand flies from endemic and non-endemic foci of visceral leishmaniasis. <i>PLoS Neglected Tropical Diseases</i> , <b>2014</b> , 8, e27094.8	4.8	37
153	Collagen-binding protein, Aegyptin, regulates probing time and blood feeding success in the dengue vector mosquito, Aedes aegypti. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 6946-51	11.5	36
152	Transcriptome and gene expression profile of ovarian follicle tissue of the triatomine bug Rhodnius prolixus. <i>Insect Biochemistry and Molecular Biology</i> , <b>2011</b> , 41, 823-31	4.5	36
151	Dipetalodipin, a novel multifunctional salivary lipocalin that inhibits platelet aggregation, vasoconstriction, and angiogenesis through unique binding specificity for TXA2, PGF2alpha, and 15(S)-HETE. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 39001-12	5.4	36
150	Molecular evolution of immune genes in the malaria mosquito Anopheles gambiae. <i>PLoS ONE</i> , <b>2009</b> , 4, e4549	3.7	36
149	Anopheline salivary protein genes and gene families: an evolutionary overview after the whole genome sequence of sixteen Anopheles species. <i>BMC Genomics</i> , <b>2017</b> , 18, 153	4.5	35
148	SALO, a novel classical pathway complement inhibitor from saliva of the sand fly Lutzomyia longipalpis. <i>Scientific Reports</i> , <b>2016</b> , 6, 19300	4.9	35
147	The "Vampirome": Transcriptome and proteome analysis of the principal and accessory submaxillary glands of the vampire bat Desmodus rotundus, a vector of human rabies. <i>Journal of Proteomics</i> , <b>2013</b> , 82, 288-319	3.9	35
146	Transcriptional profiles of mating-responsive genes from testes and male accessory glands of the Mediterranean fruit fly, Ceratitis capitata. <i>PLoS ONE</i> , <b>2012</b> , 7, e46812	3.7	35
145	Genetic exchange in 2La inversion heterokaryotypes of Anopheles gambiae. <i>Insect Molecular Biology</i> , <b>2007</b> , 16, 703-9	3.4	35
144	A novel highly divergent protein family identified from a viviparous insect by RNA-seq analysis: a potential target for tsetse fly-specific abortifacients. <i>PLoS Genetics</i> , <b>2014</b> , 10, e1003874	6	34
143	Vasodilative activity in black fly salivary glands. <i>American Journal of Tropical Medicine and Hygiene</i> , <b>1994</b> , 50, 241-6	3.2	34

142	NEGATIVE EFFECT OF ANTIBODIES AGAINST MAXADILAN ON THE FITNESS OF THE SAND FLY VECTOR OF AMERICAN VISCERAL LEISHMANIASIS. <i>American Journal of Tropical Medicine and Hygiene</i> , <b>2004</b> , 70, 278-285	3.2	34
141	Aegyptin displays high-affinity for the von Willebrand factor binding site (RGQOGVMGF) in collagen and inhibits carotid thrombus formation in vivo. <i>FEBS Journal</i> , <b>2010</b> , 277, 413-27	5.7	33
140	An insight into the sialotranscriptome of <i>Triatoma matogrossensis</i> , a kissing bug associated with fogo selvagem in South America. <i>American Journal of Tropical Medicine and Hygiene</i> , <b>2012</b> , 86, 1005-14	3.2	33
139	Novel family of insect salivary inhibitors blocks contact pathway activation by binding to polyphosphate, heparin, and dextran sulfate. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2013</b> , 33, 2759-70	9.4	32
138	Alboserpin, a factor Xa inhibitor from the mosquito vector of yellow fever, binds heparin and membrane phospholipids and exhibits antithrombotic activity. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 27998-8010	5.4	32
137	Immunogenic salivary proteins of <i>Triatoma infestans</i> : development of a recombinant antigen for the detection of low-level infestation of triatomines. <i>PLoS Neglected Tropical Diseases</i> , <b>2009</b> , 3, e532	4.8	32
136	Phlebotomine salivas inhibit immune inflammation-induced neutrophil migration via an autocrine DC-derived PGE2/IL-10 sequential pathway. <i>Journal of Leukocyte Biology</i> , <b>2008</b> , 84, 104-14	6.5	32
135	Human CD117 (cKit)+ innate lymphoid cells have a discrete transcriptional profile at homeostasis and are expanded during filarial infection. <i>PLoS ONE</i> , <b>2014</b> , 9, e108649	3.7	32
134	An insight into the sialome of <i>Hyalomma excavatum</i> . <i>Ticks and Tick-borne Diseases</i> , <b>2017</b> , 8, 201-207	3.6	31
133	Mining a differential sialotranscriptome of <i>Rhipicephalus microplus</i> guides antigen discovery to formulate a vaccine that reduces tick infestations. <i>Parasites and Vectors</i> , <b>2017</b> , 10, 206	4	30
132	Identification and Mechanistic Analysis of a Novel Tick-Derived Inhibitor of Thrombin. <i>PLoS ONE</i> , <b>2015</b> , 10, e0133991	3.7	30
131	An insight into the sialotranscriptome of <i>Simulium nigriumanum</i> , a black fly associated with fogo selvagem in South America. <i>American Journal of Tropical Medicine and Hygiene</i> , <b>2010</b> , 82, 1060-75	3.2	30
130	Disintegrins from hematophagous sources. <i>Toxins</i> , <b>2012</b> , 4, 296-322	4.9	30
129	A novel inhibitor of factor X activation from the salivary glands of the bed bug <i>Cimex lectularius</i> . <i>Experimental Parasitology</i> , <b>1996</b> , 83, 184-90	2.1	30
128	The antiserotonin and antihistamine activities of salivary secretion of <i>Rhodnius prolixus</i> . <i>Journal of Insect Physiology</i> , <b>1982</b> , 28, 69-75	2.4	30
127	How much pilocarpine contaminates pilocarpine-induced tick saliva?. <i>Medical and Veterinary Entomology</i> , <b>2004</b> , 18, 20-4	2.4	29
126	Anti-thromboxane activity in <i>Rhodnius prolixus</i> salivary secretion. <i>Journal of Insect Physiology</i> , <b>1982</b> , 28, 655-660	2.4	29
125	A deep insight into the sialotranscriptome of the mosquito, <i>Psorophora albipes</i> . <i>BMC Genomics</i> , <b>2013</b> , 14, 875	4.5	28

124	A mosquito hemolymph odorant-binding protein family member specifically binds juvenile hormone. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 15329-15339	5.4	28
123	Ticks, , Feed Repeatedly on White-Footed Mice despite Strong Inflammatory Response: An Expanding Paradigm for Understanding Tick-Host Interactions. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 1784	8.4	28
122	A draft genome sequence of an invasive mosquito: an Italian <i>Aedes albopictus</i> . <i>Pathogens and Global Health</i> , <b>2015</b> , 109, 207-20	3.1	28
121	An updated insight into the Sialotranscriptome of <i>Triatoma infestans</i> : developmental stage and geographic variations. <i>PLoS Neglected Tropical Diseases</i> , <b>2014</b> , 8, e3372	4.8	28
120	Tempol, an intracellular antioxidant, inhibits tissue factor expression, attenuates dendritic cell function, and is partially protective in a murine model of cerebral malaria. <i>PLoS ONE</i> , <b>2014</b> , 9, e87140	3.7	28
119	An insight into the transcriptome and proteome of the salivary gland of the stable fly, <i>Stomoxys calcitrans</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2009</b> , 39, 607-14	4.5	27
118	The invertebrate growth factor/CECR1 subfamily of adenosine deaminase proteins. <i>Gene</i> , <b>2001</b> , 267, 13-22	3.8	27
117	Tick Genome Assembled: New Opportunities for Research on Tick-Host-Pathogen Interactions. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2016</b> , 6, 103	5.9	27
116	Molecular Diversity between Salivary Proteins from New World and Old World Sand Flies with Emphasis on <i>Bichromomyia olmeca</i> , the Sand Fly Vector of <i>Leishmania mexicana</i> in Mesoamerica. <i>PLoS Neglected Tropical Diseases</i> , <b>2016</b> , 10, e0004771	4.8	27
115	Defibrotide interferes with several steps of the coagulation-inflammation cycle and exhibits therapeutic potential to treat severe malaria. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2012</b> , 32, 786-98	9.4	26
114	Purification and characterization of a novel salivary antimicrobial peptide from the tick, <i>Ixodes scapularis</i> . <i>Biochemical and Biophysical Research Communications</i> , <b>2009</b> , 390, 511-5	3.4	26
113	An insight into the sialotranscriptome of the seed-feeding bug, <i>Oncopeltus fasciatus</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2007</b> , 37, 903-10	4.5	26
112	Salivary amylase activity of the phlebotomine sand fly, <i>Lutzomyia longipalpis</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2000</b> , 30, 271-7	4.5	26
111	Differential Distribution of Immature <i>Ixodes dammini</i> (Acari: Ixodidae) on Rodent Hosts. <i>Journal of Parasitology</i> , <b>1989</b> , 75, 898	0.9	26
110	An insight into the sialome of the frog biting fly, <i>Corethrella appendiculata</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2014</b> , 44, 23-32	4.5	25
109	An insight into the sialotranscriptome of <i>Triatoma rubida</i> (Hemiptera: Heteroptera). <i>Journal of Medical Entomology</i> , <b>2012</b> , 49, 563-72	2.2	25
108	<i>Rhipicephalus</i> ( <i>Boophilus</i> ) <i>microplus</i> : clotting time in tick-infested skin varies according to local inflammation and gene expression patterns in tick salivary glands. <i>Experimental Parasitology</i> , <b>2010</b> , 124, 428-35	2.1	25
107	Immunological diversity within a family of cutinase-like proteins of <i>Mycobacterium tuberculosis</i> . <i>Vaccine</i> , <b>2008</b> , 26, 3853-9	4.1	25

106	A secreted salivary inositol polyphosphate 5-phosphatase from a blood-feeding insect: allosteric activation by soluble phosphoinositides and phosphatidylserine. <i>Biochemistry</i> , <b>2006</b> , 45, 5450-7	3.2	25
105	Borrelia-cidal activity of saliva of the tick <i>Amblyomma americanum</i> . <i>Medical and Veterinary Entomology</i> , <b>2005</b> , 19, 90-5	2.4	25
104	The Midgut Hemolysin of <i>Ixodes dammini</i> (Acari: Ixodidae). <i>Journal of Parasitology</i> , <b>1988</b> , 74, 532	0.9	25
103	In depth annotation of the <i>Anopheles gambiae</i> mosquito midgut transcriptome. <i>BMC Genomics</i> , <b>2014</b> , 15, 636	4.5	24
102	A Deep Insight Into the Sialotranscriptome of the Chagas Disease Vector, <i>Panstrongylus megistus</i> (Hemiptera: Heteroptera). <i>Journal of Medical Entomology</i> , <b>2015</b> , 52, 351-8	2.2	24
101	Knockdown of selenocysteine-specific elongation factor in <i>Amblyomma maculatum</i> alters the pathogen burden of <i>Rickettsia parkeri</i> with epigenetic control by the Sin3 histone deacetylase corepressor complex. <i>PLoS ONE</i> , <b>2013</b> , 8, e82012	3.7	24
100	Nucleosides from <i>Phlebotomus papatasi</i> salivary gland ameliorate murine collagen-induced arthritis by impairing dendritic cell functions. <i>Journal of Immunology</i> , <b>2011</b> , 187, 4347-59	5.3	24
99	Population size and migration of <i>Anopheles gambiae</i> in the Bancoumana Region of Mali and their significance for efficient vector control. <i>PLoS ONE</i> , <b>2010</b> , 5, e10270	3.7	24
98	The dance of male <i>Anopheles gambiae</i> in wild mating swarms. <i>Journal of Medical Entomology</i> , <b>2013</b> , 50, 552-9	2.2	23
97	The salivary transcriptome of <i>Anopheles gambiae</i> (Diptera: Culicidae) larvae: A microarray-based analysis. <i>Insect Biochemistry and Molecular Biology</i> , <b>2009</b> , 39, 382-94	4.5	23
96	Monitoring of larval habitats and mosquito densities in the Sudan savanna of Mali: implications for malaria vector control. <i>American Journal of Tropical Medicine and Hygiene</i> , <b>2007</b> , 77, 82-8	3.2	23
95	<i>Plasmodium falciparum</i> infection induces expression of a mosquito salivary protein (Agaphelin) that targets neutrophil function and inhibits thrombosis without impairing hemostasis. <i>PLoS Pathogens</i> , <b>2014</b> , 10, e1004338	7.6	22
94	Antifeedant activity of precocenes and analogs on <i>Rhodnius prolixus</i> . <i>Experientia</i> , <b>1982</b> , 38, 1054-1055		22
93	Glycoinositolphospholipids from Trypanosomatids subvert nitric oxide production in <i>Rhodnius prolixus</i> salivary glands. <i>PLoS ONE</i> , <b>2012</b> , 7, e47285	3.7	22
92	Positive selection drives accelerated evolution of mosquito salivary genes associated with blood-feeding. <i>Insect Molecular Biology</i> , <b>2014</b> , 23, 122-31	3.4	21
91	Structural determinants of factor IX(a) binding in nitrophorin 2, a lipocalin inhibitor of the intrinsic coagulation pathway. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 25022-8	5.4	21
90	Deep Sequencing Analysis of the <i>Ixodes ricinus</i> Haemocytome. <i>PLoS Neglected Tropical Diseases</i> , <b>2015</b> , 9, e0003754	4.8	20
89	An insight into the sialotranscriptome of the cat flea, <i>Ctenocephalides felis</i> . <i>PLoS ONE</i> , <b>2012</b> , 7, e44612	3.7	20

88	Microarray-based analysis of differential gene expression between infective and noninfective larvae of <i>Strongyloides stercoralis</i> . <i>PLoS Neglected Tropical Diseases</i> , <b>2011</b> , 5, e1039	4.8	20
87	A survey of <i>Leishmania braziliensis</i> genome by shotgun sequencing. <i>Molecular and Biochemical Parasitology</i> , <b>2004</b> , 137, 81-6	1.9	20
86	In Vitro Mode of Action and Anti-thrombotic Activity of Boophilin, a Multifunctional Kunitz Protease Inhibitor from the Midgut of a Tick Vector of Babesiosis, <i>Rhipicephalus microplus</i> . <i>PLoS Neglected Tropical Diseases</i> , <b>2016</b> , 10, e0004298	4.8	20
85	Immunity to LuloHya and Lundep, the salivary spreading factors from <i>Lutzomyia longipalpis</i> , protects against <i>Leishmania major</i> infection. <i>PLoS Pathogens</i> , <b>2018</b> , 14, e1007006	7.6	19
84	Triplatin, a platelet aggregation inhibitor from the salivary gland of the triatomine vector of Chagas disease, binds to TXA(2) but does not interact with glycoprotein PVI. <i>Thrombosis and Haemostasis</i> , <b>2012</b> , 107, 111-23	7	19
83	TickSialoFam (TSFam): A Database That Helps to Classify Tick Salivary Proteins, a Review on Tick Salivary Protein Function and Evolution, With Considerations on the Tick Sialome Switching Phenomenon. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2020</b> , 10, 374	5.9	19
82	Structural differences between human proteins and aero- and microbial allergens define allergenicity. <i>PLoS ONE</i> , <b>2012</b> , 7, e40552	3.7	18
81	Negative effect of antibodies against maxadilan on the fitness of the sand fly vector of American visceral leishmaniasis. <i>American Journal of Tropical Medicine and Hygiene</i> , <b>2004</b> , 70, 278-85	3.2	18
80	Deciphering the olfactory repertoire of the tiger mosquito <i>Aedes albopictus</i> . <i>BMC Genomics</i> , <b>2017</b> , 18, 770	4.5	17
79	Losing identity: structural diversity of transposable elements belonging to different classes in the genome of <i>Anopheles gambiae</i> . <i>BMC Genomics</i> , <b>2012</b> , 13, 272	4.5	17
78	An insight into the sialome of <i>Simulium guianense</i> (DIPTERA:SIMULIIDAE), the main vector of River Blindness Disease in Brazil. <i>BMC Genomics</i> , <b>2011</b> , 12, 612	4.5	17
77	An insight into the sialotranscriptome of the non-blood feeding <i>Toxorhynchites amboinensis</i> mosquito. <i>Insect Biochemistry and Molecular Biology</i> , <b>2008</b> , 38, 499-507	4.5	17
76	Effect of salivary gland extract of <i>Leishmania</i> vector, <i>Lutzomyia longipalpis</i> , on leukocyte migration in OVA-induced immune peritonitis. <i>European Journal of Immunology</i> , <b>2005</b> , 35, 2424-33	6.1	17
75	The salivary 5'-nucleotidase/phosphodiesterase of the hematophagous sand fly, <i>Lutzomyia longipalpis</i> [corrected]. <i>Insect Biochemistry and Molecular Biology</i> , <b>2000</b> , 30, 279-85	4.5	17
74	Evidence for a lectin specific for sulfated glycans in the salivary gland of the malaria vector, <i>Anopheles gambiae</i> . <i>PLoS ONE</i> , <b>2014</b> , 9, e107295	3.7	17
73	Ixonnexin from Tick Saliva Promotes Fibrinolysis by Interacting with Plasminogen and Tissue-Type Plasminogen Activator, and Prevents Arterial Thrombosis. <i>Scientific Reports</i> , <b>2018</b> , 8, 4806	4.9	16
72	Stereoscopic video analysis of <i>Anopheles gambiae</i> behavior in the field: challenges and opportunities. <i>Acta Tropica</i> , <b>2014</b> , 132 Suppl, S80-5	3.2	16
71	Novel transposable elements from <i>Anopheles gambiae</i> . <i>BMC Genomics</i> , <b>2011</b> , 12, 260	4.5	16

70	Anopheles gambiae genome reannotation through synthesis of ab initio and comparative gene prediction algorithms. <i>Genome Biology</i> , <b>2006</b> , 7, R24	18.3	16
69	An Inhibitor of the Alternative Pathway of Complement in Saliva of New World Anopheline Mosquitoes. <i>Journal of Immunology</i> , <b>2016</b> , 197, 599-610	5.3	15
68	Structure and ligand-binding properties of the biogenic amine-binding protein from the saliva of a blood-feeding insect vector of Trypanosoma cruzi. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2013</b> , 69, 105-13		15
67	The Distinct Transcriptional Response of the Midgut of and Ticks to Correlates to Their Differences in Susceptibility to Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2017</b> , 7, 129	5.9	15
66	The Anopheles gambiae cE5, a tight- and fast-binding thrombin inhibitor with post-transcriptionally regulated salivary-restricted expression. <i>Insect Biochemistry and Molecular Biology</i> , <b>2012</b> , 42, 610-20	4.5	15
65	Molecular characterization of novel sulfotransferases from the tick, Ixodes scapularis. <i>BMC Biochemistry</i> , <b>2011</b> , 12, 32	4.8	15
64	Leishmania amazonensis: sensitivity of different promastigote morphotypes to salivary gland homogenates of the sand fly Lutzomyia longipalpis. <i>Experimental Parasitology</i> , <b>1995</b> , 80, 167-75	2.1	15
63	A Deep Insight into the Sialome of Rhodnius neglectus, a Vector of Chagas Disease. <i>PLoS Neglected Tropical Diseases</i> , <b>2016</b> , 10, e0004581	4.8	15
62	Vector salivation and parasite transmission. <i>Memorias Do Instituto Oswaldo Cruz</i> , <b>1987</b> , 82 Suppl 3, 1-3	2.6	15
61	Placental malaria vaccine candidate antigen VAR2CSA displays atypical domain architecture in some strains. <i>Communications Biology</i> , <b>2019</b> , 2, 457	6.7	15
60	The Salivary Gland Transcriptome of the Eastern Tree Hole Mosquito, Ochlerotatus triseriatus. <i>Journal of Medical Entomology</i> , <b>2010</b> , 47, 376-386	2.2	14
59	Effects of ecdysone on the metamorphosis and ecdysis prevention induced by precocene II in Rhodnius prolixus. <i>General and Comparative Endocrinology</i> , <b>1981</b> , 45, 100-4	3	14
58	Nucleosides present on phlebotomine saliva induce immunosuppression and promote the infection establishment. <i>PLoS Neglected Tropical Diseases</i> , <b>2015</b> , 9, e0003600	4.8	13
57	Transcriptome exploration of the sex pheromone gland of Lutzomyia longipalpis (Diptera: Psychodidae: Phlebotominae). <i>Parasites and Vectors</i> , <b>2013</b> , 6, 56	4	13
56	The Sand Fly Salivary Protein Lufaxin Inhibits the Early Steps of the Alternative Pathway of Complement by Direct Binding to the Proconvertase C3b-B. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 1065	8.4	13
55	Integrated analysis of sialotranscriptome and sialoproteome of the brown dog tick Rhipicephalus sanguineus (s.l.): Insights into gene expression during blood feeding. <i>Journal of Proteomics</i> , <b>2020</b> , 229, 103899	3.9	13
54	Functional and structural similarities of D7 proteins in the independently-evolved salivary secretions of sand flies and mosquitoes. <i>Scientific Reports</i> , <b>2019</b> , 9, 5340	4.9	12
53	The protein LJM 111 from Lutzomyia longipalpis salivary gland extract (SGE) accounts for the SGE-inhibitory effects upon inflammatory parameters in experimental arthritis model. <i>International Immunopharmacology</i> , <b>2012</b> , 12, 603-10	5.8	12



52	Plasmodium falciparum: nitric oxide modulates heme speciation in isolated food vacuoles. <i>Experimental Parasitology</i> , <b>2011</b> , 127, 1-8	2.1	12
51	An Insight into the Sialomes of Bloodsucking Heteroptera. <i>Psyche: Journal of Entomology</i> , <b>2012</b> , 2012, 1-16	0.2	12
50	A deep insight into the male and female sialotranscriptome of adult Culex tarsalis mosquitoes. <i>Insect Biochemistry and Molecular Biology</i> , <b>2018</b> , 95, 1-9	4.5	11
49	Comparative Characterization of the Sindbis Virus Proteome from Mammalian and Invertebrate Hosts Identifies nsP2 as a Component of the Virion and Sorting Nexin 5 as a Significant Host Factor for Alphavirus Replication. <i>Journal of Virology</i> , <b>2018</b> , 92,	6.6	11
48	Expression of the mevalonate pathway enzymes in the Lutzomyia longipalpis (Diptera: Psychodidae) sex pheromone gland demonstrated by an integrated proteomic approach. <i>Journal of Proteomics</i> , <b>2014</b> , 96, 117-32	3.9	11
47	Comparative analysis of the global transcriptome of Anopheles funestus from Mali, West Africa. <i>PLoS ONE</i> , <b>2009</b> , 4, e7976	3.7	11
46	Transposition burst of mariner-like elements in the sequenced genome of Rhodnius prolixus. <i>Insect Biochemistry and Molecular Biology</i> , <b>2016</b> , 69, 14-24	4.5	10
45	The Transcriptome of the Salivary Glands of Reveals the Antimicrobial Peptide Microplusin as an Important Factor for the Tick Protection Against Infection. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 529	4.6	10
44	The structure of hookworm platelet inhibitor (HPI), a CAP superfamily member from Ancylostoma caninum. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , <b>2015</b> , 71, 643-9	1.1	10
43	Purification of a serine protease and evidence for a protein C activator from the saliva of the tick, Ixodes scapularis. <i>Toxicon</i> , <b>2014</b> , 77, 32-9	2.8	10
42	The tempo and mode of evolution of transposable elements as revealed by molecular phylogenies reconstructed from mosquito genomes. <i>Evolution; International Journal of Organic Evolution</i> , <b>2009</b> , 63, 3136-46	3.8	10
41	An insight into the salivary gland and fat body transcriptome of Panstrongylus lignarius (Hemiptera: Heteroptera), the main vector of Chagas disease in Peru. <i>PLoS Neglected Tropical Diseases</i> , <b>2018</b> , 12, e0006243	4.8	10
40	A mosquito juvenile hormone binding protein (mJHBP) regulates the activation of innate immune defenses and hemocyte development. <i>PLoS Pathogens</i> , <b>2020</b> , 16, e1008288	7.6	9
39	The salivary gland transcriptome of the eastern tree hole mosquito, Ochlerotatus triseriatus. <i>Journal of Medical Entomology</i> , <b>2010</b> , 47, 376-86	2.2	9
38	The genome of the stable fly, Stomoxys calcitrans, reveals potential mechanisms underlying reproduction, host interactions, and novel targets for pest control. <i>BMC Biology</i> , <b>2021</b> , 19, 41	7.3	9
37	An insight into the sialotranscriptome and virome of Amazonian anophelines. <i>BMC Genomics</i> , <b>2019</b> , 20, 166	4.5	8
36	Transcriptome sequencing and developmental regulation of gene expression in Anopheles aquasalis. <i>PLoS Neglected Tropical Diseases</i> , <b>2014</b> , 8, e3005	4.8	8
35	Simplagrin, a platelet aggregation inhibitor from Simulium nigrimanum salivary glands specifically binds to the Von Willebrand factor receptor in collagen and inhibits carotid thrombus formation in vivo. <i>PLoS Neglected Tropical Diseases</i> , <b>2014</b> , 8, e2947	4.8	8

34	Rhodnius prolixus salivary nitrophorins display heme-peroxidase activity. <i>Insect Biochemistry and Molecular Biology</i> , <b>1998</b> , 28, 1051-1057	4.5	8
33	Functional genomics of the stable fly, <i>Stomoxys calcitrans</i> , reveals mechanisms underlying reproduction, host interactions, and novel targets for pest control		8
32	An insight into the sialome, mialome and virome of the horn fly, <i>Haematobia irritans</i> . <i>BMC Genomics</i> , <b>2019</b> , 20, 616	4.5	7
31	Transcriptomic profiling of the digestive tract of the rat flea, <i>Xenopsylla cheopis</i> , following blood feeding and infection with <i>Yersinia pestis</i> . <i>PLoS Neglected Tropical Diseases</i> , <b>2020</b> , 14, e0008688	4.8	7
30	Structure and Ligand-Binding Mechanism of a Cysteinyl Leukotriene-Binding Protein from a Blood-Feeding Disease Vector. <i>ACS Chemical Biology</i> , <b>2016</b> , 11, 1934-44	4.9	7
29	An insight into the sialome of the horse fly, <i>Tabanus bromius</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2015</b> , 65, 83-90	4.5	6
28	The Pharmacopea within Triatomine Salivary Glands. <i>Trends in Parasitology</i> , <b>2020</b> , 36, 250-265	6.4	6
27	Structure and Function of FS50, a salivary protein from the flea <i>Xenopsylla cheopis</i> that blocks the sodium channel Na1.5. <i>Scientific Reports</i> , <b>2016</b> , 6, 36574	4.9	6
26	3D tracking of mating events in wild swarms of the malaria mosquito <i>Anopheles gambiae</i> . <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2011</b> , 2011, 720-3	0.9	6
25	Allelic gene structure variations in <i>Anopheles gambiae</i> mosquitoes. <i>PLoS ONE</i> , <b>2010</b> , 5, e10699	3.7	6
24	POPULATION DYNAMICS OF TRANSPOSABLE ELEMENTS: COPY NUMBER REGULATION AND SPECIES INVASION REQUIREMENTS. <i>Journal of Biological Systems</i> , <b>2005</b> , 13, 455-475	1.6	6
23	A physiologic overview of the organ-specific transcriptome of the cattle tick <i>Rhipicephalus microplus</i> . <i>Scientific Reports</i> , <b>2020</b> , 10, 18296	4.9	6
22	<i>Plasmodium falciparum</i> : generation of a cDNA library enriched in sporozoite-specific transcripts by directional tag subtractive hybridization. <i>Experimental Parasitology</i> , <b>2000</b> , 95, 220-5	2.1	5
21	Mast Cells and Basophils: From Malevolent Design to Coevolutionary Arms Race. <i>Trends in Parasitology</i> , <b>2020</b> , 36, 655-659	6.4	4
20	Tick-Borne Encephalitis Virus Infection Alters the Sialome of Ticks During the Earliest Stages of Feeding. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2020</b> , 10, 41	5.9	4
19	Transposable elements in the <i>Anopheles funestus</i> transcriptome. <i>Genetica</i> , <b>2017</b> , 145, 275-293	1.5	3
18	Proteomics Pipeline for Identifying Variant Proteins in Parasites Isolated from Children Presenting with Malaria. <i>Journal of Proteome Research</i> , <b>2019</b> , 18, 3831-3839	5.6	3
17	Bugs, blood, and blisters. <i>Journal of Investigative Dermatology</i> , <b>2004</b> , 123, xvi	4.3	3

16	Leukocyte-deactivating factor from macrophages: partial purification and biochemical characterization. A novel cytokine. <i>Journal of Cellular Physiology</i> , <b>1993</b> , 157, 84-9	7	3
15	Transcriptional variation of sensory-related genes in natural populations of <i>Aedes albopictus</i> . <i>BMC Genomics</i> , <b>2020</b> , 21, 547	4.5	3
14	The sialotranscriptome of the gopher-tortoise tick, <i>Amblyomma tuberculatum</i> . <i>Ticks and Tick-borne Diseases</i> , <b>2021</b> , 12, 101560	3.6	3
13	Salivary complement inhibitors from mosquitoes: Structure and mechanism of action. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 296, 100083	5.4	3
12	Insights Into <i>Onchocerca volvulus</i> Population Biology Through Multilocus Immunophenotyping. <i>Journal of Infectious Diseases</i> , <b>2017</b> , 216, 736-743	7	2
11	Analysis of the testicle transcriptome of the Chagas disease vector <i>Rhodnius prolixus</i>		2
10	RNA-sequencing of the <i>Nyssomyia neivai</i> sialome: a sand fly-vector from a Brazilian endemic area for tegumentary leishmaniasis and pemphigus foliaceus. <i>Scientific Reports</i> , <b>2020</b> , 10, 17664	4.9	2
9	The Central Role of Salivary Metalloproteases in Host Acquired Resistance to Tick Feeding. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2020</b> , 10, 563349	5.9	2
8	Molecular mechanisms underlying milk production and viviparity in the cockroach, <i>Diploptera punctata</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2020</b> , 120, 103333	4.5	1
7	Identification of a substrate-like cleavage-resistant thrombin inhibitor from the saliva of the flea <i>Xenopsylla cheopis</i> . <i>Journal of Biological Chemistry</i> , <b>2021</b> , 297, 101322	5.4	1
6	The structures of two salivary proteins from the West Nile vector reveal a beta-trefoil fold with putative sugar binding properties. <i>Current Research in Structural Biology</i> , <b>2021</b> , 3, 95-105	2.8	1
5	Examination of the ligand-binding and enzymatic properties of a bilin-binding protein from the poisonous caterpillar <i>Lonomia obliqua</i> . <i>PLoS ONE</i> , <b>2014</b> , 9, e95424	3.7	0
4	Integrated analysis of the sialotranscriptome and sialoproteome of the rat flea <i>Xenopsylla cheopis</i> .. <i>Journal of Proteomics</i> , <b>2022</b> , 254, 104476	3.9	0
3	Seasonal climate effects anemotaxis in newly emerged adult <i>Anopheles gambiae</i> Giles in Mali, West Africa. <i>PLoS ONE</i> , <b>2011</b> , 6, e26910	3.7	0
2	Functional aspects of evolution in a cluster of salivary protein genes from mosquitoes.. <i>Insect Biochemistry and Molecular Biology</i> , <b>2022</b> , 103785	4.5	0
1	AeMOPE-1, a Novel Salivary Peptide From , Selectively Modulates Activation of Murine Macrophages and Ameliorates Experimental Colitis. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 681671	8.4	