

Serap Aksoy

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193
papers

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54
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84
g-index

241
ext. papers

10,242
ext. citations

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L-index

#	Paper	IF	Citations
193	Genome sequence of the endocellular obligate symbiont of tsetse flies, <i>Wigglesworthia glossinidia</i> . <i>Nature Genetics</i> , 2002 , 32, 402-7	36.3	491
192	Microbiome influences on insect host vector competence. <i>Trends in Parasitology</i> , 2011 , 27, 514-22	6.4	258
191	Massive genome erosion and functional adaptations provide insights into the symbiotic lifestyle of <i>Sodalis glossinidius</i> in the tsetse host. <i>Genome Research</i> , 2006 , 16, 149-56	9.7	252
190	Prevention of insect-borne disease: an approach using transgenic symbiotic bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 3274-8	11.5	250
189	Concordant evolution of a symbiont with its host insect species: molecular phylogeny of genus <i>Glossina</i> and its bacteriome-associated endosymbiont, <i>Wigglesworthia glossinidia</i> . <i>Journal of Molecular Evolution</i> , 1999 , 48, 49-58	3.1	207
188	Genome sequence of the tsetse fly (<i>Glossina morsitans</i>): vector of African trypanosomiasis. <i>Science</i> , 2014 , 344, 380-6	33.3	192
187	The obligate mutualist <i>Wigglesworthia glossinidia</i> influences reproduction, digestion, and immunity processes of its host, the tsetse fly. <i>Applied and Environmental Microbiology</i> , 2008 , 74, 5965-74 ^{4.8}		179
186	Tissue tropism, transmission and expression of foreign genes in vivo in midgut symbionts of tsetse flies. <i>Insect Molecular Biology</i> , 1999 , 8, 125-32	3.4	169
185	Tsetse immune responses and trypanosome transmission: implications for the development of tsetse-based strategies to reduce trypanosomiasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 12648-53	11.5	166
184	Interactions between mutualist <i>Wigglesworthia</i> and tsetse peptidoglycan recognition protein (PGRP-LB) influence trypanosome transmission. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 12133-8	11.5	144
183	Tissue distribution and prevalence of <i>Wolbachia</i> infections in tsetse flies, <i>Glossina</i> spp. <i>Medical and Veterinary Entomology</i> , 2000 , 14, 44-50	2.4	132
182	Tsetse immune system maturation requires the presence of obligate symbionts in larvae. <i>PLoS Biology</i> , 2011 , 9, e1000619	9.7	128
181	Modification of arthropod vector competence via symbiotic bacteria. <i>Parasitology Today</i> , 1993 , 9, 179-83		126
180	Obligate symbionts activate immune system development in the tsetse fly. <i>Journal of Immunology</i> , 2012 , 188, 3395-403	5.3	121
179	Analysis of milk gland structure and function in <i>Glossina morsitans</i> : milk protein production, symbiont populations and fecundity. <i>Journal of Insect Physiology</i> , 2008 , 54, 1236-42	2.4	114
178	Tsetse--A haven for microorganisms. <i>Parasitology Today</i> , 2000 , 16, 114-8		113
177	Proventriculus (cardia) plays a crucial role in immunity in tsetse fly (Diptera: Glossinidae). <i>Insect Biochemistry and Molecular Biology</i> , 2003 , 33, 1155-64	4.5	108

176	Phylogenetically distant symbiotic microorganisms reside in <i>Glossina</i> midgut and ovary tissues. <i>Medical and Veterinary Entomology</i> , 1993 , 7, 377-83	2.4	108
175	Innate immune responses regulate trypanosome parasite infection of the tsetse fly <i>Glossina morsitans morsitans</i> . <i>Molecular Microbiology</i> , 2006 , 60, 1194-204	4.1	103
174	Phylogeny and potential transmission routes of midgut-associated endosymbionts of tsetse (Diptera:Glossinidae). <i>Insect Molecular Biology</i> , 1997 , 6, 183-90	3.4	100
173	Wolbachia symbiont infections induce strong cytoplasmic incompatibility in the tsetse fly <i>Glossina morsitans</i> . <i>PLoS Pathogens</i> , 2011 , 7, e1002415	7.6	97
172	Detection and characterization of Wolbachia infections in laboratory and natural populations of different species of tsetse flies (genus <i>Glossina</i>). <i>BMC Microbiology</i> , 2012 , 12 Suppl 1, S3	4.5	94
171	Trypanosome infection establishment in the tsetse fly gut is influenced by microbiome-regulated host immune barriers. <i>PLoS Pathogens</i> , 2013 , 9, e1003318	7.6	93
170	Interactions between tsetse and trypanosomes with implications for the control of trypanosomiasis. <i>Advances in Parasitology</i> , 2003 , 53, 1-83	3.2	91
169	SLACS retrotransposon from <i>Trypanosoma brucei gambiense</i> is similar to mammalian LINES. <i>Nucleic Acids Research</i> , 1990 , 18, 785-92	20.1	87
168	Strategies of the home-team: symbioses exploited for vector-borne disease control. <i>Trends in Microbiology</i> , 2004 , 12, 325-36	12.4	86
167	Tissue distribution and transmission routes for the tsetse fly endosymbionts. <i>Journal of Invertebrate Pathology</i> , 2013 , 112 Suppl, S116-22	2.6	81
166	Dynamics of multiple symbiont density regulation during host development: tsetse fly and its microbial flora. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006 , 273, 805-14	4.4	81
165	Eliminating the Neglected Tropical Diseases: Translational Science and New Technologies. <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0003895	4.8	81
164	Mycetome endosymbionts of tsetse flies constitute a distinct lineage related to Enterobacteriaceae. <i>Insect Molecular Biology</i> , 1995 , 4, 15-22	3.4	77
163	Vitamin B6 generated by obligate symbionts is critical for maintaining proline homeostasis and fecundity in tsetse flies. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 5844-53	4.8	76
162	Tsetse fly microbiota: form and function. <i>Frontiers in Cellular and Infection Microbiology</i> , 2013 , 3, 69	5.9	76
161	Insight into the transmission biology and species-specific functional capabilities of tsetse (Diptera: glossinidae) obligate symbiont <i>Wigglesworthia</i> . <i>MBio</i> , 2012 , 3,	7.8	76
160	An antimicrobial peptide with trypanocidal activity characterized from <i>Glossina morsitans morsitans</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2005 , 35, 105-15	4.5	76
159	Transformation of an insect symbiont and expression of a foreign gene in the ChagasDisease vector <i>Rhodnius prolixus</i> . <i>American Journal of Tropical Medicine and Hygiene</i> , 1992 , 46, 195-200	3.2	75

158	Symbiont-induced odorant binding proteins mediate insect host hematopoiesis. <i>ELife</i> , 2017 , 6,	8.9	72
157	PGRP-LB is a maternally transmitted immune milk protein that influences symbiosis and parasitism in tsetse fly offspring. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 10552-7	11.5	70
156	Control of tsetse flies and trypanosomes using molecular genetics. <i>Veterinary Parasitology</i> , 2003 , 115, 125-45	2.8	70
155	Paratransgenesis applied for control of tsetse transmitted sleeping sickness. <i>Advances in Experimental Medicine and Biology</i> , 2008 , 627, 35-48	3.6	70
154	An insight into the sialome of <i>Glossina morsitans morsitans</i> . <i>BMC Genomics</i> , 2010 , 11, 213	4.5	69
153	Molecular analysis of the endosymbionts of tsetse flies: 16S rDNA locus and over-expression of a chaperonin. <i>Insect Molecular Biology</i> , 1995 , 4, 23-9	3.4	68
152	Adenotrophic viviparity in tsetse flies: potential for population control and as an insect model for lactation. <i>Annual Review of Entomology</i> , 2015 , 60, 351-71	21.8	66
151	Prospects for control of African trypanosomiasis by tsetse vector manipulation. <i>Trends in Parasitology</i> , 2001 , 17, 29-35	6.4	65
150	Analysis of multiple tsetse fly populations in Uganda reveals limited diversity and species-specific gut microbiota. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 4301-12	4.8	63
149	Tsetse thrombin inhibitor: bloodmeal-induced expression of an anticoagulant in salivary glands and gut tissue of <i>Glossina morsitans morsitans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 14290-5	11.5	63
148	Human African trypanosomiasis control: Achievements and challenges. <i>PLoS Neglected Tropical Diseases</i> , 2017 , 11, e0005454	4.8	61
147	Isolation and characterization of the tsetse thrombin inhibitor: a potent antithrombotic peptide from the saliva of <i>Glossina morsitans morsitans</i> . <i>American Journal of Tropical Medicine and Hygiene</i> , 1996 , 54, 475-80	3.2	61
146	An insect symbiosis is influenced by bacterium-specific polymorphisms in outer-membrane protein A. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 15088-93	11.5	60
145	OmpA-mediated biofilm formation is essential for the commensal bacterium <i>Sodalis glossinidius</i> to colonize the tsetse fly gut. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 7760-8	4.8	59
144	Insights into the trypanosome-host interactions revealed through transcriptomic analysis of parasitized tsetse fly salivary glands. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e2649	4.8	55
143	Presence of extensive <i>Wolbachia</i> symbiont insertions discovered in the genome of its host <i>Glossina morsitans morsitans</i> . <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e2728	4.8	55
142	Characterization of genes expressed in the salivary glands of the tsetse fly, <i>Glossina morsitans morsitans</i> . <i>Insect Molecular Biology</i> , 2001 , 10, 69-76	3.4	55
141	Interspecific transfer of bacterial endosymbionts between tsetse fly species: infection establishment and effect on host fitness. <i>Applied and Environmental Microbiology</i> , 2006 , 72, 7013-21	4.8	54

140	Analysis of fat body transcriptome from the adult tsetse fly, <i>Glossina morsitans morsitans</i> . <i>Insect Molecular Biology</i> , 2006 , 15, 411-24	3.4	54
139	Comparative genomics of insect-symbiotic bacteria: influence of host environment on microbial genome composition. <i>Applied and Environmental Microbiology</i> , 2003 , 69, 6825-32	4.8	52
138	Interactions among multiple genomes: tsetse, its symbionts and trypanosomes. <i>Insect Biochemistry and Molecular Biology</i> , 2005 , 35, 691-8	4.5	51
137	A novel application of gene arrays: <i>Escherichia coli</i> array provides insight into the biology of the obligate endosymbiont of tsetse flies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 7546-51	11.5	50
136	Analysis of lipolysis underlying lactation in the tsetse fly, <i>Glossina morsitans</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2012 , 42, 360-70	4.5	49
135	Genome size determination and coding capacity of <i>Sodalis glossinidius</i> , an enteric symbiont of tsetse flies, as revealed by hybridization to <i>Escherichia coli</i> gene arrays. <i>Journal of Bacteriology</i> , 2001 , 183, 4517-25	3.5	49
134	The peritrophic matrix mediates differential infection outcomes in the tsetse fly gut following challenge with commensal, pathogenic, and parasitic microbes. <i>Journal of Immunology</i> , 2014 , 193, 773-82	5.3	47
133	Immune responses and parasite transmission in blood-feeding insects. <i>Trends in Parasitology</i> , 2004 , 20, 433-9	6.4	44
132	A family of genes with growth factor and adenosine deaminase similarity are preferentially expressed in the salivary glands of <i>Glossina m. morsitans</i> . <i>Gene</i> , 2000 , 252, 83-93	3.8	44
131	Molecular aspects of transferrin expression in the tsetse fly (<i>Glossina morsitans morsitans</i>). <i>Journal of Insect Physiology</i> , 2007 , 53, 715-23	2.4	43
130	Tsetse-Wolbachia symbiosis: comes of age and has great potential for pest and disease control. <i>Journal of Invertebrate Pathology</i> , 2013 , 112 Suppl, S94-103	2.6	42
129	Transcriptome Profiling of <i>Trypanosoma brucei</i> Development in the Tsetse Fly Vector <i>Glossina morsitans</i> . <i>PLoS ONE</i> , 2016 , 11, e0168877	3.7	42
128	Aquaporins are critical for provision of water during lactation and intrauterine progeny hydration to maintain tsetse fly reproductive success. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e2517	4.8	41
127	Phylogeography and population structure of <i>Glossina fuscipes fuscipes</i> in Uganda: implications for control of tsetse. <i>PLoS Neglected Tropical Diseases</i> , 2010 , 4, e636	4.8	40
126	Comparative genomic analysis of six <i>Glossina</i> genomes, vectors of African trypanosomes. <i>Genome Biology</i> , 2019 , 20, 187	18.3	39
125	<i>Glossina fuscipes</i> populations provide insights for human African trypanosomiasis transmission in Uganda. <i>Trends in Parasitology</i> , 2013 , 29, 394-406	6.4	39
124	Implications of microfauna-host interactions for trypanosome transmission dynamics in <i>Glossina fuscipes fuscipes</i> in Uganda. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 4627-37	4.8	37
123	Phylogenetic characterization of two transovarially transmitted endosymbionts of the bedbug <i>Cimex lectularius</i> (Heteroptera:Cimicidae). <i>Insect Molecular Biology</i> , 1997 , 6, 301-4	3.4	37

122	Juvenile hormone and insulin suppress lipolysis between periods of lactation during tsetse fly pregnancy. <i>Molecular and Cellular Endocrinology</i> , 2013 , 372, 30-41	4.4	36
121	Transcriptional profiles of mating-responsive genes from testes and male accessory glands of the Mediterranean fruit fly, <i>Ceratitis capitata</i> . <i>PLoS ONE</i> , 2012 , 7, e46812	3.7	35
120	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> , 2014 , 10, e1003874	6	34
119	Tick-Borne Diseases in Turkey: A Review Based on One Health Perspective. <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0005021	4.8	34
118	Microsatellite polymorphism in tsetse flies (Diptera: Glossinidae). <i>Journal of Medical Entomology</i> , 2001 , 38, 376-81	2.2	33
117	Infections with immunogenic trypanosomes reduce tsetse reproductive fitness: potential impact of different parasite strains on vector population structure. <i>PLoS Neglected Tropical Diseases</i> , 2008 , 2, e1924.8	4.8	33
116	Unravelling the relationship between the tsetse fly and its obligate symbiont : transcriptomic and metabolomic landscapes reveal highly integrated physiological networks. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017 , 284,	4.4	32
115	Molecular characterization of three gut genes from <i>Glossina morsitans morsitans</i> : cathepsin B, zinc-metalloprotease and zinc-carboxypeptidase. <i>Insect Molecular Biology</i> , 2002 , 11, 57-65	3.4	32
114	Cloning and functional expression of a fat body-specific chitinase cDNA from the tsetse fly, <i>Glossina morsitans morsitans</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2002 , 32, 979-89	4.5	32
113	A new member of a family of site-specific retrotransposons is present in the spliced leader RNA genes of <i>Trypanosoma cruzi</i> . <i>Molecular and Cellular Biology</i> , 1991 , 11, 6139-6148	4.8	32
112	The Spermatophore in <i>Glossina morsitans morsitans</i> : Insights into Male Contributions to Reproduction. <i>Scientific Reports</i> , 2016 , 6, 20334	4.9	32
111	Improving Sterile Insect Technique (SIT) for tsetse flies through research on their symbionts and pathogens. <i>Journal of Invertebrate Pathology</i> , 2013 , 112 Suppl, S2-10	2.6	31
110	A global sensitivity analysis for African sleeping sickness. <i>Parasitology</i> , 2011 , 138, 516-26	2.7	31
109	Mammalian African trypanosome VSG coat enhances tsetse vector competence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 6961-6	11.5	31
108	Wolbachia, Sodalis and trypanosome co-infections in natural populations of <i>Glossina austeni</i> and <i>Glossina pallidipes</i> . <i>Parasites and Vectors</i> , 2013 , 6, 232	4	30
107	Comparative genomics reveals multiple genetic backgrounds of human pathogenicity in the <i>Trypanosoma brucei</i> complex. <i>Genome Biology and Evolution</i> , 2014 , 6, 2811-9	3.9	30
106	Evaluating long-term effectiveness of sleeping sickness control measures in Guinea. <i>Parasites and Vectors</i> , 2015 , 8, 550	4	29
105	Sleeping sickness elimination in sight: time to celebrate and reflect, but not relax. <i>PLoS Neglected Tropical Diseases</i> , 2011 , 5, e1008	4.8	29

104	Trypanosoma brucei gambiense group 1 is distinguished by a unique amino acid substitution in the HpHb receptor implicated in human serum resistance. <i>PLoS Neglected Tropical Diseases</i> , 2012 , 6, e1728	4.8	29
103	High levels of genetic differentiation between Ugandan Glossina fuscipes fuscipes populations separated by Lake Kyoga. <i>PLoS Neglected Tropical Diseases</i> , 2008 , 2, e242	4.8	29
102	Refractoriness in Tsetse Flies (Diptera: Glossinidae) May be a Matter of Timing. <i>Journal of Medical Entomology</i> , 2007 , 44, 660-665	2.2	29
101	Molecular characterization of iron binding proteins from Glossina morsitans morsitans (Diptera: Glossinidae). <i>Insect Biochemistry and Molecular Biology</i> , 2006 , 36, 921-33	4.5	29
100	Molecular characterization of two serine proteases expressed in gut tissue of the African trypanosome vector, Glossina morsitans morsitans. <i>Insect Molecular Biology</i> , 2001 , 10, 47-56	3.4	29
99	Single-cell RNA sequencing of from tsetse salivary glands unveils metacyclogenesis and identifies potential transmission blocking antigens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 2613-2621	11.5	28
98	Permanent genetic resources added to molecular ecology resources database 1 October 2012-30 November 2012. <i>Molecular Ecology Resources</i> , 2013 , 13, 341-3	8.4	28
97	Genetic diversity and population structure of Glossina pallidipes in Uganda and western Kenya. <i>Parasites and Vectors</i> , 2011 , 4, 122	4	28
96	Molecular aspects of viviparous reproductive biology of the tsetse fly (Glossina morsitans morsitans): regulation of yolk and milk gland protein synthesis. <i>Journal of Insect Physiology</i> , 2006 , 52, 1128-36	2.4	28
95	Sandflies (Diptera: Psychodidae) Associated with Epidemic Cutaneous Leishmaniasis in Sanliurfa, Turkey. <i>Journal of Medical Entomology</i> , 1999 , 36, 277-281	2.2	28
94	Evaluating paratransgenesis as a potential control strategy for African trypanosomiasis. <i>PLoS Neglected Tropical Diseases</i> , 2013 , 7, e2374	4.8	27
93	Temporal stability of Glossina fuscipes fuscipes populations in Uganda. <i>Parasites and Vectors</i> , 2011 , 4, 19	4	25
92	A case for a Glossina genome project. <i>Trends in Parasitology</i> , 2005 , 21, 107-11	6.4	25
91	Spliced leader RNA sequences of Trypanosoma rangeli are organized within the 5S rRNA-encoding genes. <i>Gene</i> , 1992 , 113, 239-43	3.8	25
90	Proventriculus-specific cDNAs characterized from the tsetse, Glossina morsitans morsitans. <i>Insect Biochemistry and Molecular Biology</i> , 2002 , 32, 1663-71	4.5	24
89	Refractoriness in tsetse flies (Diptera: Glossinidae) may be a matter of timing. <i>Journal of Medical Entomology</i> , 2007 , 44, 660-5	2.2	24
88	Genetic diversity and population structure of Trypanosoma brucei in Uganda: implications for the epidemiology of sleeping sickness and Nagana. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0003353	4.8	23
87	Trypanosome Transmission Dynamics in Tsetse. <i>Current Opinion in Insect Science</i> , 2014 , 3, 43-49	5.1	23

86	The population structure of <i>Glossina fuscipes fuscipes</i> in the Lake Victoria basin in Uganda: implications for vector control. <i>Parasites and Vectors</i> , 2012 , 5, 222	4	23
85	Replication of flock house virus in three genera of medically important insects. <i>Journal of Medical Entomology</i> , 2007 , 44, 102-10	2.2	23
84	Intercommunity effects on microbiome and GpSGHV density regulation in tsetse flies. <i>Journal of Invertebrate Pathology</i> , 2013 , 112 Suppl, S32-9	2.6	22
83	Characterization of the antimicrobial peptide attacin loci from <i>Glossina morsitans</i> . <i>Insect Molecular Biology</i> , 2008 , 17, 293-302	3.4	22
82	Genetic diversity and population structure of the tsetse fly <i>Glossina fuscipes fuscipes</i> (Diptera: Glossinidae) in Northern Uganda: Implications for vector control. <i>PLoS Neglected Tropical Diseases</i> , 2017 , 11, e0005485	4.8	22
81	Wolbachia association with the tsetse fly, <i>Glossina fuscipes fuscipes</i> , reveals high levels of genetic diversity and complex evolutionary dynamics. <i>BMC Evolutionary Biology</i> , 2013 , 13, 31	3	21
80	The salivary secretome of the tsetse fly <i>Glossina pallidipes</i> (Diptera: Glossinidae) infected by salivary gland hypertrophy virus. <i>PLoS Neglected Tropical Diseases</i> , 2011 , 5, e1371	4.8	21
79	Transcriptome analysis of reproductive tissue and intrauterine developmental stages of the tsetse fly (<i>Glossina morsitans morsitans</i>). <i>BMC Genomics</i> , 2010 , 11, 160	4.5	21
78	Replication of Flock House Virus in Three Genera of Medically Important Insects. <i>Journal of Medical Entomology</i> , 2007 , 44, 102-110	2.2	21
77	Identification of major soluble salivary gland proteins in teneral <i>Glossina morsitans morsitans</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2002 , 32, 1045-53	4.5	21
76	Colonization of the tsetse fly midgut with commensal <i>Kosakonia cowanii</i> Zambiae inhibits trypanosome infection establishment. <i>PLoS Pathogens</i> , 2019 , 15, e1007470	7.6	20
75	Multiple evolutionary origins of <i>Trypanosoma evansi</i> in Kenya. <i>PLoS Neglected Tropical Diseases</i> , 2017 , 11, e0005895	4.8	20
74	Lipophorin acts as a shuttle of lipids to the milk gland during tsetse fly pregnancy. <i>Journal of Insect Physiology</i> , 2011 , 57, 1553-61	2.4	20
73	Molecular characterization of two novel milk proteins in the tsetse fly (<i>Glossina morsitans morsitans</i>). <i>Insect Molecular Biology</i> , 2010 , 19, 253-62	3.4	20
72	Genome-Wide Comparative Analysis of Chemosensory Gene Families in Five Tsetse Fly Species. <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0004421	4.8	20
71	The homeodomain protein ladybird late regulates synthesis of milk proteins during pregnancy in the tsetse fly (<i>Glossina morsitans</i>). <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e2645	4.8	19
70	Polyandry is a common event in wild populations of the Tsetse fly <i>Glossina fuscipes fuscipes</i> and may impact population reduction measures. <i>PLoS Neglected Tropical Diseases</i> , 2011 , 5, e1190	4.8	18
69	Transcript expression analysis of putative <i>Trypanosoma brucei</i> GPI-anchored surface proteins during development in the tsetse and mammalian hosts. <i>PLoS Neglected Tropical Diseases</i> , 2012 , 6, e17068	4.8	18

68	Site-specific retrotransposons of the trypanosomatid protozoa. <i>Parasitology Today</i> , 1991 , 7, 281-5		18
67	Sphingomyelinase activity in mother's milk is essential for juvenile development: a case from lactating tsetse flies. <i>Biology of Reproduction</i> , 2012 , 87, 17, 1-10	3.9	17
66	The major protein in the midgut of teneral <i>Glossina morsitans morsitans</i> is a molecular chaperone from the endosymbiotic bacterium <i>Wigglesworthia glossinidia</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2002 , 32, 1429-38	4.5	17
65	Determinants of Human African Trypanosomiasis Elimination via Paratransgenesis. <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0004465	4.8	17
64	TonB-dependent heme iron acquisition in the tsetse fly symbiont <i>Sodalis glossinidius</i> . <i>Applied and Environmental Microbiology</i> , 2015 , 81, 2900-9	4.8	16
63	Characterization of the achromobactin iron acquisition operon in <i>Sodalis glossinidius</i> . <i>Applied and Environmental Microbiology</i> , 2013 , 79, 2872-81	4.8	16
62	The GAP project in southeastern Turkey: the potential for emergence of diseases. <i>Emerging Infectious Diseases</i> , 1995 , 1, 62-3	10.2	16
61	Analysis of the gut-specific microbiome from field-captured tsetse flies, and its potential relevance to host trypanosome vector competence. <i>BMC Microbiology</i> , 2018 , 18, 146	4.5	16
60	A fine-tuned vector-parasite dialogue in tsetse's cardia determines peritrophic matrix integrity and trypanosome transmission success. <i>PLoS Pathogens</i> , 2018 , 14, e1006972	7.6	16
59	Spatio-temporal distribution of <i>Spiroplasma</i> infections in the tsetse fly (<i>Glossina fuscipes fuscipes</i>) in northern Uganda. <i>PLoS Neglected Tropical Diseases</i> , 2019 , 13, e0007340	4.8	15
58	Amelioration of reproduction-associated oxidative stress in a viviparous insect is critical to prevent reproductive senescence. <i>PLoS ONE</i> , 2014 , 9, e87554	3.7	15
57	Genetically distinct <i>Glossina fuscipes fuscipes</i> populations in the Lake Kyoga region of Uganda and its relevance for human African trypanosomiasis. <i>BioMed Research International</i> , 2013 , 2013, 614721	3	15
56	A comparative analysis of reproductive biology of insect vectors of human disease. <i>Current Opinion in Insect Science</i> , 2015 , 10, 142-148	5.1	14
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