

# Joshua B Benoit

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4319644/publications.pdf>

Version: 2024-02-01

150  
papers

5,930  
citations

81900

39  
h-index

98798

67  
g-index

175  
all docs

175  
docs citations

175  
times ranked

5512  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome Sequence of the Tsetse Fly ( <i>Glossina morsitans</i> ): Vector of African Trypanosomiasis. <i>Science</i> , 2014, 344, 380-386.	12.6	254
2	Genome of the Asian longhorned beetle ( <i>Anoplophora glabripennis</i> ), a globally significant invasive species, reveals key functional and evolutionary innovations at the beetle–plant interface. <i>Genome Biology</i> , 2016, 17, 227.	8.8	244
3	A model species for agricultural pest genomics: the genome of the Colorado potato beetle, <i>Leptinotarsa decemlineata</i> (Coleoptera: Chrysomelidae). <i>Scientific Reports</i> , 2018, 8, 1931.	3.3	215
4	Unique features of a global human ectoparasite identified through sequencing of the bed bug genome. <i>Nature Communications</i> , 2016, 7, 10165.	12.8	184
5	Metabolomics reveals unique and shared metabolic changes in response to heat shock, freezing and desiccation in the Antarctic midge, <i>Belgica antarctica</i> . <i>Journal of Insect Physiology</i> , 2008, 54, 645-655.	2.0	152
6	High resistance to oxidative damage in the Antarctic midge <i>Belgica antarctica</i> , and developmentally linked expression of genes encoding superoxide dismutase, catalase and heat shock proteins. <i>Insect Biochemistry and Molecular Biology</i> , 2008, 38, 796-804.	2.7	151
7	Gene content evolution in the arthropods. <i>Genome Biology</i> , 2020, 21, 15.	8.8	150
8	Stress-induced accumulation of glycerol in the flesh fly, <i>Sarcophaga bullata</i> : Evidence indicating anti-desiccant and cryoprotectant functions of this polyol and a role for the brain in coordinating the response. <i>Journal of Insect Physiology</i> , 2006, 52, 202-214.	2.0	140
9	Drinking a hot blood meal elicits a protective heat shock response in mosquitoes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 8026-8029.	7.1	137
10	Heat shock proteins contribute to mosquito dehydration tolerance. <i>Journal of Insect Physiology</i> , 2010, 56, 151-156.	2.0	132
11	The whole genome sequence of the Mediterranean fruit fly, <i>Ceratitidis capitata</i> (Wiedemann), reveals insights into the biology and adaptive evolution of a highly invasive pest species. <i>Genome Biology</i> , 2016, 17, 192.	8.8	130
12	The molecular physiology of increased egg desiccation resistance during diapause in the invasive mosquito, <i>Aedes albopictus</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 2683-2692.	2.6	125
13	Symbiont-induced odorant binding proteins mediate insect host hematopoiesis. <i>ELife</i> , 2017, 6, .	6.0	125
14	Dehydration-induced cross tolerance of <i>Belgica antarctica</i> larvae to cold and heat is facilitated by trehalose accumulation. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2009, 152, 518-523.	1.8	124
15	Suppression of water loss during adult diapause in the northern house mosquito, <i>Culex pipiens</i> . <i>Journal of Experimental Biology</i> , 2007, 210, 217-226.	1.7	122
16	Molecular evolutionary trends and feeding ecology diversification in the Hemiptera, anchored by the milkweed bug genome. <i>Genome Biology</i> , 2019, 20, 64.	8.8	114
17	Vitamin B <sub>6</sub> Generated by Obligate Symbionts Is Critical for Maintaining Proline Homeostasis and Fecundity in Tsetse Flies. <i>Applied and Environmental Microbiology</i> , 2014, 80, 5844-5853.	3.1	108
18	Mechanisms to reduce dehydration stress in larvae of the Antarctic midge, <i>Belgica antarctica</i> . <i>Journal of Insect Physiology</i> , 2007, 53, 656-667.	2.0	101

#	ARTICLE	IF	CITATIONS
19	Dehydration, rehydration, and overhydration alter patterns of gene expression in the Antarctic midge, <i>Belgica antarctica</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2009, 179, 481-491.	1.5	101
20	Meeting the challenges of on-host and off-host water balance in blood-feeding arthropods. <i>Journal of Insect Physiology</i> , 2010, 56, 1366-1376.	2.0	96
21	Adenotrophic Viviparity in Tsetse Flies: Potential for Population Control and as an Insect Model for Lactation. <i>Annual Review of Entomology</i> , 2015, 60, 351-371.	11.8	95
22	RESISTANCE TO DEHYDRATION BETWEEN BOUTS OF BLOOD FEEDING IN THE BED BUG, <i>CIMEX LECTULARIUS</i> , IS ENHANCED BY WATER CONSERVATION, AGGREGATION, AND QUIESCENCE. <i>American Journal of Tropical Medicine and Hygiene</i> , 2007, 76, 987-993.	1.4	91
23	The Toxicogenome of <i>Hyaella azteca</i> : A Model for Sediment Ecotoxicology and Evolutionary Toxicology. <i>Environmental Science &amp; Technology</i> , 2018, 52, 6009-6022.	10.0	79
24	Water Management by Dormant Insects: Comparisons Between Dehydration Resistance During Summer Aestivation and Winter Diapause. <i>Progress in Molecular and Subcellular Biology</i> , 2010, 49, 209-229.	1.6	71
25	Comparative genomic analysis of six <i>Glossina</i> genomes, vectors of African trypanosomes. <i>Genome Biology</i> , 2019, 20, 187.	8.8	71
26	Dehydration prompts increased activity and blood feeding by mosquitoes. <i>Scientific Reports</i> , 2018, 8, 6804.	3.3	69
27	Analysis of lipolysis underlying lactation in the tsetse fly, <i>Glossina morsitans</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2012, 42, 360-370.	2.7	68
28	Prolonged maintenance of water balance by adult females of the American spider beetle, <i>Mezium affine</i> Boieldieu, in the absence of food and water resources. <i>Journal of Insect Physiology</i> , 2005, 51, 565-573.	2.0	67
29	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.	3.0	67
30	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.	3.0	64
31	Improved annotation of the insect vector of citrus greening disease: biocuration by a diverse genomics community. <i>Database: the Journal of Biological Databases and Curation</i> , 2017, 2017, .	3.0	62
32	Repeated bouts of dehydration deplete nutrient reserves and reduce egg production in the mosquito <i>Culex pipiens</i> . <i>Journal of Experimental Biology</i> , 2010, 213, 2763-2769.	1.7	60
33	Brown marmorated stink bug, <i>Halyomorpha halys</i> (Stål), genome: putative underpinnings of polyphagy, insecticide resistance potential and biology of a top worldwide pest. <i>BMC Genomics</i> , 2020, 21, 227.	2.8	60
34	Genome-enabled insights into the biology of thrips as crop pests. <i>BMC Biology</i> , 2020, 18, 142.	3.8	54
35	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.	3.0	53
36	Desiccation tolerance and drought acclimation in the Antarctic collembolan <i>Cryptopygus antarcticus</i> . <i>Journal of Insect Physiology</i> , 2008, 54, 1432-1439.	2.0	47

#	ARTICLE	IF	CITATIONS
37	The genome of the water strider <i>Gerris buenoi</i> reveals expansions of gene repertoires associated with adaptations to life on the water. <i>BMC Genomics</i> , 2018, 19, 832.	2.8	47
38	Rapid cold-hardening in larvae of the Antarctic midge <i>Belgica antarctica</i> : cellular cold-sensing and a role for calcium. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 294, R1938-R1946.	1.8	46
39	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.	3.5	46
40	Emerging roles of aquaporins in relation to the physiology of blood-feeding arthropods. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2014, 184, 811-825.	1.5	44
41	Juvenile hormone and insulin suppress lipolysis between periods of lactation during tsetse fly pregnancy. <i>Molecular and Cellular Endocrinology</i> , 2013, 372, 30-41.	3.2	43
42	Mechanistic underpinnings of dehydration stress in the American dog tick revealed through RNA-Seq and metabolomics. <i>Journal of Experimental Biology</i> , 2016, 219, 1808-1819.	1.7	41
43	Osmoregulation and salinity tolerance in the Antarctic midge, <i>Belgica antarctica</i> : seawater exposure confers enhanced tolerance to freezing and dehydration. <i>Journal of Experimental Biology</i> , 2009, 212, 2864-2871.	1.7	40
44	The Spermatophore in <i>Glossina morsitans morsitans</i> : Insights into Male Contributions to Reproduction. <i>Scientific Reports</i> , 2016, 6, 20334.	3.3	40
45	Learning to starve: impacts of food limitation beyond the stress period. <i>Journal of Experimental Biology</i> , 2017, 220, 4330-4338.	1.7	39
46	Progressive behavioural, physiological and transcriptomic shifts over the course of prolonged starvation in ticks. <i>Molecular Ecology</i> , 2019, 28, 49-65.	3.9	39
47	Activation of HuR downstream of p38 MAPK promotes cardiomyocyte hypertrophy. <i>Cellular Signalling</i> , 2016, 28, 1735-1741.	3.6	38
48	Dehydration and starvation yield energetic consequences that affect survival of the American dog tick. <i>Journal of Insect Physiology</i> , 2017, 101, 39-46.	2.0	38
49	Human antigen R as a therapeutic target in pathological cardiac hypertrophy. <i>JCI Insight</i> , 2019, 4, .	5.0	38
50	Resistance to dehydration between bouts of blood feeding in the bed bug, <i>Cimex lectularius</i> , is enhanced by water conservation, aggregation, and quiescence. <i>American Journal of Tropical Medicine and Hygiene</i> , 2007, 76, 987-93.	1.4	38
51	Function and immuno-localization of aquaporins in the Antarctic midge <i>Belgica antarctica</i> . <i>Journal of Insect Physiology</i> , 2011, 57, 1096-1105.	2.0	36
52	Internal and External Mycoflora of the American Dog Tick, <i>Dermacentor variabilis</i> (Acari: Ixodidae), and Its Ecological Implications. <i>Applied and Environmental Microbiology</i> , 2003, 69, 4994-4996.	3.1	33
53	An endosymbiotic conidial fungus, <i>Scopulariopsis brevicaulis</i> , protects the American dog tick, <i>Dermacentor variabilis</i> , from desiccation imposed by an entomopathogenic fungus. <i>Journal of Invertebrate Pathology</i> , 2008, 97, 119-127.	3.2	33
54	Stress Tolerance of Bed Bugs: A Review of Factors That Cause Trauma to <i>Cimex lectularius</i> and <i>C. Hemipterus</i> . <i>Insects</i> , 2011, 2, 151-172.	2.2	33

#	ARTICLE	IF	CITATIONS
55	A quick guide for student-driven community genome annotation. PLoS Computational Biology, 2019, 15, e1006682.	3.2	33
56	Distinct contractile and cytoskeletal protein patterns in the Antarctic midge are elicited by desiccation and rehydration. Proteomics, 2009, 9, 2788-2798.	2.2	29
57	Aestivation and diapause syndromes reduce the water balance requirements for pupae of the Hessian fly, <i>Mayetiola destructor</i> . Entomologia Experimentalis Et Applicata, 2010, 136, 89-96.	1.4	29
58	Thermoprotective adaptations are critical for arthropods feeding on warm-blooded hosts. Current Opinion in Insect Science, 2019, 34, 7-11.	4.4	29
59	Nutritional geometry of paternal effects on embryo mortality. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171492.	2.6	28
60	Low and high thermal tolerance characteristics for unfed larvae of the winter tick <i>Dermacentor albipictus</i> (Acari: Ixodidae) with special reference to moose. Ticks and Tick-borne Diseases, 2018, 9, 25-30.	2.7	28
61	Sphingomyelinase Activity in Mother's Milk Is Essential for Juvenile Development: A Case from Lactating Tsetse Flies. Biology of Reproduction, 2012, 87, 17, 1-10.	2.7	27
62	The Homeodomain Protein Ladybird Late Regulates Synthesis of Milk Proteins during Pregnancy in the Tsetse Fly ( <i>Glossina morsitans</i> ). PLoS Neglected Tropical Diseases, 2014, 8, e2645.	3.0	27
63	Critical transition temperature and activation energy with implications for arthropod cuticular permeability. Journal of Insect Physiology, 2005, 51, 1063-1065.	2.0	26
64	Genomic analyses of a livestock pest, the New World screwworm, find potential targets for genetic control programs. Communications Biology, 2020, 3, 424.	4.4	26
65	MicroRNA-1825 induces proliferation of adult cardiomyocytes and promotes cardiac regeneration post ischemic injury. American Journal of Translational Research (discontinued), 2017, 9, 3120-3137.	0.0	26
66	Water balance of the American dog tick, <i>Dermacentor variabilis</i> , throughout its development with comparative observations between field-collected and laboratory-reared ticks. International Journal of Acarology, 2012, 38, 334-343.	0.7	25
67	Water vapor absorption by nymphal lone star tick, <i>Amblyomma americanum</i> (Acari: Ixodidae), and its ecological significance. International Journal of Acarology, 2003, 29, 259-264.	0.7	24
68	Short Note: Increase in feeding by the tick, <i>Ixodes uriae</i> , on Adélie penguins during a prolonged summer. Antarctic Science, 2009, 21, 151-152.	0.9	23
69	Lipophorin acts as a shuttle of lipids to the milk gland during tsetse fly pregnancy. Journal of Insect Physiology, 2011, 57, 1553-1561.	2.0	23
70	Biological Adaptations Associated with Dehydration in Mosquitoes. Insects, 2019, 10, 375.	2.2	23
71	The seabird tick, <i>Ixodes uriae</i> , uses uric acid in penguin guano as a kairomone and guanine in tick feces as an assembly pheromone on the Antarctic Peninsula. Polar Biology, 2008, 31, 1445.	1.2	22
72	Amelioration of Reproduction-Associated Oxidative Stress in a Viviparous Insect Is Critical to Prevent Reproductive Senescence. PLoS ONE, 2014, 9, e87554.	2.5	22

#	ARTICLE	IF	CITATIONS
73	Water relations in eggs of the lone star tick, <i>Amblyomma americanum</i> , with experimental work on the capacity for water vapor absorption. <i>Experimental and Applied Acarology</i> , 2004, 33, 235-242.	1.6	21
74	Extremely large aggregations of collembolan eggs on Humble Island, Antarctica: a response to early seasonal warming?. <i>Polar Biology</i> , 2008, 31, 889-892.	1.2	21
75	Multiple traumatic insemination events reduce the ability of bed bug females to maintain water balance. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2012, 182, 189-198.	1.5	21
76	Suppression of net transpiration by multiple mechanisms conserves water resources during pupal diapause in the corn earworm <i>Heliothis zea</i> . <i>Physiological Entomology</i> , 2015, 40, 336-342.	1.5	21
77	De Novo Genome Assembly Shows Genome Wide Similarity between <i>Trypanosoma brucei brucei</i> and <i>Trypanosoma brucei rhodesiense</i> . <i>PLoS ONE</i> , 2016, 11, e0147660.	2.5	21
78	The genome of the stable fly, <i>Stomoxys calcitrans</i> , reveals potential mechanisms underlying reproduction, host interactions, and novel targets for pest control. <i>BMC Biology</i> , 2021, 19, 41.	3.8	19
79	Cold hardiness and influences of hibernaculum conditions on overwintering survival of American dog tick larvae. <i>Ticks and Tick-borne Diseases</i> , 2016, 7, 1155-1161.	2.7	18
80	Multi-level analysis of reproduction in an Antarctic midge identifies female and male accessory gland products that are altered by larval stress and impact progeny viability. <i>Scientific Reports</i> , 2020, 10, 19791.	3.3	18
81	Sawfly Genomes Reveal Evolutionary Acquisitions That Fostered the Mega-Radiation of Parasitoid and Eusocial Hymenoptera. <i>Genome Biology and Evolution</i> , 2020, 12, 1099-1188.	2.5	17
82	Moist habitats are essential for adults of the Antarctic midge, <i>Belgica antarctica</i> (Diptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td	1.2	17
83	Water balance of a tick-fungus relationship, featuring the life cycle of the fungus <i>Scopulariopsis brevicaulis</i> (sacc.) Bainier (Deuteromycota) in a tick host. <i>International Journal of Acarology</i> , 2004, 30, 93-101.	0.7	15
84	Temperature-induced alteration of cuticular lipids are not required for transition phenomenon in ticks. <i>International Journal of Acarology</i> , 2005, 31, 175-181.	0.7	15
85	Structure and function of the urnulae in <i>Balaustium</i> sp. (Parasitengona: erythraeidae) featuring secretion of a defensive allomone and alarm pheromone. <i>International Journal of Acarology</i> , 2006, 32, 3-12.	0.7	15
86	Inability of the lone star tick, <i>Amblyomma Americanum</i> (L.), to resist desiccation and maintain water balance following application of the entomopathogenic fungus <i>Metarhizium anisopliae</i> var. <i>anisopliae</i> (Deuteromycota). <i>International Journal of Acarology</i> , 2006, 32, 211-218.	0.7	15
87	Water Balance Components in Adults of Terrestrial Red Mite <i>Balaustium</i> sp. (Acarina: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 15	2.5	15
88	The giant Madagascar hissing cockroach ( <i>Gromphadorhina portentosa</i> ) as a source of antagonistic moulds: concerns arising from its use in a public setting. <i>Mycoses</i> , 2008, 51, 95-98.	4.0	15
89	Sex Chromosome Evolution in Muscid Flies. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 1341-1352.	1.8	15
90	Mycoflora and fungal vector capacity of the parasitic mite <i>Varroa destructor</i> (Mesostigmata: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 103-106.	0.7	14

#	ARTICLE	IF	CITATIONS
91	Mycoflora of a Trogloxenic Cave Cricket, <i>Hadenoeus cumberlandicus</i> (Orthoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5 Society of America, 2004, 97, 989-993.	2.5	13
92	Larval thermal characteristics of multiple ixodid ticks. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2021, 257, 110939.	1.8	13
93	Maternal transmission of a fungus to eggs in the American dog tick, <i>Dermacentor variabilis</i> (Say). International Journal of Acarology, 2004, 30, 77-80.	0.7	12
94	Microbiome reduction prevents lipid accumulation during early diapause in the northern house mosquito, <i>Culex pipiens pipiens</i> . Journal of Insect Physiology, 2021, 134, 104295.	2.0	12
95	Effects of salt and temperature on the growth rate of a tick-associated fungus, <i>Scopulariopsis brevicaulis</i> Bainier (Deuteromycota). International Journal of Acarology, 2003, 29, 265-269.	0.7	11
96	Moisture requirements of a soil imperfect fungus, <i>Scopulariopsis brevicaulis</i> Bainier, in relation to its tick host. International Journal of Acarology, 2003, 29, 271-277.	0.7	11
97	Genome and Ontogenetic-Based Transcriptomic Analyses of the Flesh Fly, <i>Sarcophaga bullata</i> . G3: Genes, Genomes, Genetics, 2019, 9, 1313-1320.	1.8	11
98	Interactions with ectoparasitic mites induce host metabolic and immune responses in flies at the expense of reproduction-associated factors. Parasitology, 2020, 147, 1196-1205.	1.5	11
99	Adipocyte-specific deletion of HuR induces spontaneous cardiac hypertrophy and fibrosis. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 321, H228-H241.	3.2	11
100	Bugs battle stress from hot blood. ELife, 2017, 6, .	6.0	11
101	Fungal fauna of <i>Ixodes scapularis</i> and <i>Rhipicephalus sanguineus</i> (Latreille) (Acari: Ixodida) with special reference to species-associated internal mycoflora. International Journal of Acarology, 2005, 31, 417-422.	0.7	10
102	Pollen feeding in <i>Balaustium murorum</i> (Acari: Erythraeidae): visualization and behaviour. International Journal of Acarology, 2012, 38, 641-647.	0.7	10
103	Short day-triggered quiescence promotes water conservation in the American dog tick, <i>Dermacentor variabilis</i> . Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2016, 186, 287-296.	1.5	10
104	Positive genetic covariance between male sexual ornamentation and fertilizing capacity. Current Biology, 2021, 31, 1547-1554.e5.	3.9	10
105	Bloodmeal regulation in mosquitoes curtails dehydration-induced mortality, altering vectorial capacity. Journal of Insect Physiology, 2022, 137, 104363.	2.0	10
106	Metabolomic and transcriptomic responses of ticks during recovery from cold shock reveal mechanisms of survival. Journal of Experimental Biology, 2022, 225, .	1.7	10
107	Behavioral and postural analyses establish sleep-like states for mosquitoes that can impact host landing and blood feeding. Journal of Experimental Biology, 2022, 225, .	1.7	10
108	Use of an alarm pheromone against ants for gaining access to aphid/scale prey by the red velvet mite <i>Balaustium</i> sp. (Erythraeidae) in a honeydew-rich environment. Journal of Experimental Biology, 2010, 213, 386-392.	1.7	9



#	ARTICLE	IF	CITATIONS
109	Increased cave dwelling reduces the ability of cave crickets to resist dehydration. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2011, 181, 595-601.	1.5	9
110	High temperature and dehydration tolerance of the red velvet mite, <i>Balaustium</i> sp. (Erythraeidae), permit the exploitation of extremely hot, dry microhabitats. <i>International Journal of Acarology</i> , 2012, 38, 89-95.	0.7	9
111	Genome and transcriptome sequencing of the green bottle fly, <i>Lucilia sericata</i> , reveals underlying factors of sheep flystrike and maggot debridement therapy. <i>Genomics</i> , 2021, 113, 3978-3988.	2.9	9
112	Regulation of the external mycoflora of the giant Madagascar hissing-cockroach, <i>Gromphadorhina portentosa</i> , by its mite associate, <i>Gromphadorholaelaps schaeferi</i> , and its implications on human health. <i>Symbiosis</i> , 2009, 47, 93-98.	2.3	8
113	Sex- and developmental-specific transcriptomic analyses of the Antarctic mite, <i>Alaskozetes antarcticus</i> , reveal transcriptional shifts underlying oribatid mite reproduction. <i>Polar Biology</i> , 2019, 42, 357-370.	1.2	8
114	Do Mosquitoes Sleep?. <i>Trends in Parasitology</i> , 2020, 36, 888-897.	3.3	8
115	Cold hardening improves larval tick questing under low temperatures at the expense of longevity. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2021, 257, 110966.	1.8	8
116	Rapid autophagic regression of the milk gland during involution is critical for maximizing tsetse viviparous reproductive output. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006204.	3.0	8
117	Moisture requirements of the ladybird beetle <i>Stethorus nigripes</i> in relation to habitat preference and biological control. <i>Entomologia Experimentalis Et Applicata</i> , 2003, 109, 83-87.	1.4	7
118	<i>Scopulariopsis brevicaulis</i> (Deuteromycota) affords protection from secondary fungus infection in the American dog tick, <i>Dermacentor variabilis</i> (Acari: Ixodidae): inference from competitive fungal interactions <i>in vitro</i> . <i>International Journal of Acarology</i> , 2004, 30, 375-381.	0.7	7
119	Dermal gland secretion improves the heat tolerance of the brown dog tick, <i>Rhipicephalus sanguineus</i> , allowing for their prolonged exposure to host body temperature. <i>Journal of Thermal Biology</i> , 2009, 34, 256-265.	2.5	7
120	The effects of water exposure, soil conditions, and fungus exposure on hatching of the larval lone star tick, <i>Amblyomma americanum</i> (Acari: Ixodidae). <i>International Journal of Acarology</i> , 2012, 38, 344-352.	0.7	7
121	Molecular mechanisms underlying milk production and viviparity in the cockroach, <i>Diploptera punctata</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2020, 120, 103333.	2.7	7
122	Tonic Immobility Is Influenced by Starvation, Life Stage, and Body Mass in Ixodid Ticks. <i>Journal of Medical Entomology</i> , 2021, 58, 1030-1040.	1.8	7
123	Matrotrophic viviparity constrains microbiome acquisition during gestation in a live-bearing cockroach, <i>Diploptera punctata</i> . <i>Ecology and Evolution</i> , 2019, 9, 10601-10614.	1.9	6
124	Putting invertebrate lactation in context. <i>Science</i> , 2019, 363, 593-593.	12.6	6
125	Madagascar hissing cockroach mite, <i>Gromphadorholaelaps schaeferi</i> , prevents fungal infection in its cockroach host: evidence for a mutualistic symbiosis. <i>International Journal of Acarology</i> , 2012, 38, 427-435.	0.7	5
126	Annotation of yellow genes in <i>Diaphorina citri</i> , the vector for Huanglongbing disease. <i>GigaByte</i> , 0, 2021, 1-15.	0.0	5



#	ARTICLE	IF	CITATIONS
127	Rapid stress hardening in the Antarctic midge improves male fertility by increasing courtship success and preventing decline of accessory gland proteins following cold exposure. <i>Journal of Experimental Biology</i> , 2021, 224, .	1.7	5
128	Insect Development as It Relates to Forensic Entomology. , 2019, , 225-252.		5
129	Failure of Ticks to Transmit <i>Scopulariopsis brevicaulis</i> (Deuteromycota), a Common Filamentous Fungal Commensal of Ticks. <i>Journal of Medical Entomology</i> , 2005, 42, 383-387.	1.8	4
130	Growth response to squalene, a tick allomonal component, by fungi commonly associated with the american dog tick, <i>Dermacentor variabilis</i> (Say). <i>International Journal of Acarology</i> , 2005, 31, 269-275.	0.7	4
131	Short day exposure suppresses water loss rate in the lone star tick <i>Amblyomma americanum</i> and blacklegged tick <i>Ixodes scapularis</i> (Acari: Ixodidae). <i>International Journal of Acarology</i> , 2016, 42, 324-329.	0.7	4
132	Electrophysiology and transcriptomics reveal two photoreceptor classes and complex visual integration in <i>Hirudo verbana</i> . <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	4
133	Ionizing radiation and chemical oxidant exposure impacts on <i>Cryptococcus neoformans</i> transfer RNAs. <i>PLoS ONE</i> , 2022, 17, e0266239.	2.5	4
134	Chlorophenol profile throughout development of the american dog tick, <i>Dermacentor variabilis</i> (Say). <i>International Journal of Acarology</i> , 2004, 30, 275-277.	0.7	3
135	Snakes produce kairomones that induce aggregation of unfed larval blacklegged ticks <i>Ixodes scapularis</i> (Acari: Ixodidae). <i>International Journal of Acarology</i> , 2013, 39, 502-506.	0.7	3
136	Mechanisms that contribute to the establishment and persistence of bed bug infestations. <i>Terrestrial Arthropod Reviews</i> , 2013, 6, 227-246.	0.8	3
137	Cross-tolerance and transcriptional shifts underlying abiotic stress in the seabird tick, <i>Ixodes uriae</i> . <i>Polar Biology</i> , 2021, 44, 1379-1389.	1.2	3
138	Bacterial Communities of Lab and Field Northern House Mosquitoes (Diptera: Culicidae) Throughout Diapause. <i>Journal of Medical Entomology</i> , 2021, , .	1.8	3
139	Abundances of transfer RNA modifications and transcriptional levels of tRNA-modifying enzymes are sex-associated in mosquitoes. <i>Insect Biochemistry and Molecular Biology</i> , 2022, 143, 103741.	2.7	3
140	Behavioral correction to prevent overhydration and increase survival by larvae of the net-spinning caddisflies in relation to water flow. <i>Journal of Experimental Biology</i> , 2015, 218, 363-9.	1.7	2
141	Engorged nymphs act as a conditioning stage to protect adult American dog ticks and lone star ticks (Acari: Ixodidae) against heat stress. <i>International Journal of Acarology</i> , 2014, 40, 411-418.	0.7	2
142	The Antarctic mite, <i>Alaskozetes antarcticus</i> , shares bacterial microbiome community membership but not abundance between adults and tritonymphs. <i>Polar Biology</i> , 2019, 42, 2075-2085.	1.2	2
143	Undergraduate Virtual Engagement in Community Genome Annotation Provides Flexibility to Overcome Course Disruptions. <i>Journal of Microbiology and Biology Education</i> , 2021, 22, .	1.0	2
144	Genome Sequence of a <i>Blattabacterium</i> Strain Isolated from the Viviparous Cockroach, <i>Diploptera punctata</i> . <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.6	2

#	ARTICLE	IF	CITATIONS
145	Annotation of glycolysis, gluconeogenesis, and trehaloneogenesis pathways provide insight into carbohydrate metabolism in the Asian citrus psyllid. <i>GigaByte</i> , 0, 2022, 1-19.	0.0	2
146	Genomic identification, annotation, and comparative analysis of Vacuolar-type ATP synthase subunits in <i>Diaphorina citri</i> . <i>GigaByte</i> , 0, 2022, 1-18.	0.0	1
147	Competition <i>in vitro</i> among fungi acquired from the exoskeleton of the giant Madagascar hissing-cockroach, <i>Gromphadorhina portentosa</i> , and its relevance to human health. <i>Fungal Ecology</i> , 2012, 5, 490-498.	1.6	0
148	Human Antigen R (HuR) as a therapeutic target in pathological cardiac hypertrophy. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 124, 114.	1.9	0
149	Tsetse flies ( <i>Glossinidae</i> ). , 2020, , .		0
150	Annotation of putative circadian rhythm-associated genes in <i>Diaphorina citri</i> (Hemiptera: Liviidae). <i>GigaByte</i> , 0, 2022, 1-15.	0.0	0