

Physiological mechanisms of evolved desiccation resist

Journal of Experimental Biology

200, 1821-32

Citation Report

#	ARTICLE	IF	CITATIONS
1	Correlations between measures of heat resistance and acclimation in two species of <i>Drosophila</i> and their hybrids. <i>Biological Journal of the Linnean Society</i> , 1998, 64, 449-462.	0.7	33
2	RESOURCE ACQUISITION AND THE EVOLUTION OF STRESS RESISTANCE IN <i>DROSOPHILA MELANOGASTER</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1998, 52, 1342-1352.	1.1	150
3	DESICCATION AND STARVATION TOLERANCE OF ADULT <i>DROSOPHILA</i> : OPPOSITE LATITUDINAL CLINES IN NATURAL POPULATIONS OF THREE DIFFERENT SPECIES. <i>Evolution; International Journal of Organic Evolution</i> , 1998, 52, 825-831.	1.1	74
4	Desiccation and starvation resistance in <i>Drosophila</i> : patterns of variation at the species, population and intrapopulation levels. <i>Heredity</i> , 1999, 83, 637-643.	1.2	252
5	Genetics of aging in <i>Drosophila</i> . <i>Experimental Gerontology</i> , 1999, 34, 577-585.	1.2	25
6	Stress resistance and longevity in selected lines of <i>Drosophila melanogaster</i> . <i>Neurobiology of Aging</i> , 1999, 20, 521-529.	1.5	76
7	LIFE-HISTORY CORRELATES OF EVOLUTION UNDER HIGH AND LOW ADULT MORTALITY. <i>Evolution; International Journal of Organic Evolution</i> , 2000, 54, 1260-1272.	1.1	75
8	Postponed aging and desiccation resistance in <i>Drosophila melanogaster</i> . <i>Experimental Gerontology</i> , 2000, 35, 957-969.	1.2	40
9	A comparative analysis of metabolic rate in six <i>Scarabaeus</i> species (Coleoptera: Scarabaeidae) from southern Africa: further caveats when inferring adaptation. <i>Journal of Insect Physiology</i> , 2000, 46, 553-562.	0.9	45
10	Dehydration in dormant insects. <i>Journal of Insect Physiology</i> , 2000, 46, 837-852.	0.9	250
11	Nesting behavior of house mice (<i>Mus domesticus</i>) selected for increased wheel-running activity. <i>Behavior Genetics</i> , 2000, 30, 85-94.	1.4	43
12	Water loss in desert ants: caste variation and the effect of cuticle abrasion. <i>Physiological Entomology</i> , 2000, 25, 48-53.	0.6	44
13	Laboratory selection experiments using <i>Drosophila</i> : what do they really tell us?. <i>Trends in Ecology and Evolution</i> , 2000, 15, 32-36.	4.2	233
14	Desiccation Tolerance of Three Mycophagous <i>Drosophila</i> Species. <i>American Midland Naturalist</i> , 2002, 147, 387-392.	0.2	6
15	Lipid melting and cuticular permeability: new insights into an old problem. <i>Journal of Insect Physiology</i> , 2002, 48, 391-400.	0.9	275
16	Water balance in desert <i>Drosophila</i> : lessons from non-charismatic microfauna. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2002, 133, 781-789.	0.8	92
17	Thermal adaptation in <i>Drosophila serrata</i> under conditions linked to its southern border: Unexpected patterns from laboratory selection suggest limited evolutionary potential. <i>Journal of Genetics</i> , 2003, 82, 179-189.	0.4	24
18	What have two decades of laboratory life-history evolution studies on <i>Drosophila melanogaster</i> taught us?. <i>Journal of Genetics</i> , 2003, 82, 45-76.	0.4	127

#	ARTICLE	IF	CITATIONS
19	Effects of starvation and desiccation on energy metabolism in desert and mesic <i>Drosophila</i> . <i>Journal of Insect Physiology</i> , 2003, 49, 261-270.	0.9	186
20	Isolation of a <i>Drosophila melanogaster</i> desiccation resistant mutant. <i>Journal of Insect Physiology</i> , 2003, 49, 1013-1020.	0.9	8
21	BREAKDOWN IN CORRELATIONS DURING LABORATORY EVOLUTION. I. COMPARATIVE ANALYSES OF <i>DROSOPHILA</i> POPULATIONS. <i>Evolution; International Journal of Organic Evolution</i> , 2003, 57, 527-535.	1.1	74
22	BREAKDOWN IN CORRELATIONS DURING LABORATORY EVOLUTION. II. SELECTION ON STRESS RESISTANCE IN <i>DROSOPHILA</i> POPULATIONS. <i>Evolution; International Journal of Organic Evolution</i> , 2003, 57, 536-543.	1.1	58
23	Effect of food shortage and temperature on oxygen consumption in the lesser mealworm, <i>Alphitobius diaperinus</i> (Panzer) (Coleoptera: Tenebrionidae). <i>Physiological Entomology</i> , 2003, 28, 261-267.	0.6	22
24	Adaptive differences in the structure and macromolecular compositions of the air and water corneas of the "four-eyed" fish (<i>Anableps anableps</i>). <i>FASEB Journal</i> , 2003, 17, 1996-2005.	0.2	39
25	Metabolic rate variation in <i>Glossina pallidipes</i> (Diptera: Glossinidae): gender, ageing and repeatability. <i>Journal of Insect Physiology</i> , 2004, 50, 419-428.	0.9	60
26	Continuous recording of excretory water loss from <i>Musca domestica</i> using a flow-through humidity meter: hormonal control of diuresis. <i>Journal of Insect Physiology</i> , 2004, 50, 455-468.	0.9	13
27	Metabolic rate in the whip-spider, <i>Damon annulatipes</i> (Arachnida: Amblypygi). <i>Journal of Insect Physiology</i> , 2004, 50, 637-645.	0.9	30
28	Critical thermal maximum and body water loss in first instar larvae of three <i>Cetoniidae</i> species (Coleoptera). <i>Journal of Thermal Biology</i> , 2005, 30, 611-617.	1.1	22
29	Clinal variation and laboratory adaptation in the rainforest species <i>Drosophila birchii</i> for stress resistance, wing size, wing shape and development time. <i>Journal of Evolutionary Biology</i> , 2005, 18, 213-222.	0.8	102
30	ABDOMINAL PIGMENTATION VARIATION IN <i>DROSOPHILA</i> POLYMORPHA: GEOGRAPHIC VARIATION IN THE TRAIT, AND UNDERLYING PHYLOGEOGRAPHY. <i>Evolution; International Journal of Organic Evolution</i> , 2005, 59, 1046-1059.	1.1	76
31	The effects of acclimation on thermal tolerance, desiccation resistance and metabolic rate in <i>Chirodica chalconota</i> (Coleoptera: Chrysomelidae). <i>Journal of Insect Physiology</i> , 2005, 51, 1013-1023.	0.9	82
32	Mutation and Phenotypic Variation. , 2005, , 159-189.		2
33	Adaptations to environmental stress in altitudinal populations of two <i>Drosophila</i> species. <i>Physiological Entomology</i> , 2005, 30, 353-361.	0.6	40
34	Body size patterns in <i>Drosophila</i> inhabiting a mesocosm: interactive effects of spatial variation in temperature and abundance. <i>Oecologia</i> , 2006, 149, 245-255.	0.9	18
35	Cuticular lipid mass and desiccation rates in <i>Glossina pallidipes</i> : interpopulation variation. <i>Physiological Entomology</i> , 2007, 32, 287-293.	0.6	21
36	Gene transcription during exposure to, and recovery from, cold and desiccation stress in <i>Drosophila melanogaster</i> . <i>Insect Molecular Biology</i> , 2007, 16, 435-443.	1.0	200

#	ARTICLE	IF	CITATIONS
37	Molecular ecology of global change. <i>Molecular Ecology</i> , 2007, 16, 3973-3992.	2.0	254
38	Exploring links between physiology and ecology at macro-scales: the role of respiratory metabolism in insects. <i>Biological Reviews</i> , 1999, 74, 87-120.	4.7	50
39	Altitudinally restricted communities of Schizophoran flies in Queensland's Wet Tropics: vulnerability to climate change. <i>Biodiversity and Conservation</i> , 2007, 16, 3163-3177.	1.2	23
40	Differences in cold tolerance, desiccation resistance, and cryoprotectant production between three populations of <i>Eurosta solidaginis</i> collected from different latitudes. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2008, 178, 365-375.	0.7	15
41	Sexual conflict and environmental change: trade-offs within and between the sexes during the evolution of desiccation resistance. <i>Journal of Genetics</i> , 2008, 87, 383-394.	0.4	28
42	Body melanization and its adaptive role in thermoregulation and tolerance against desiccating conditions in drosophilids. <i>Entomological Research</i> , 2008, 38, 49-60.	0.6	77
43	Insect thermal tolerance: what is the role of ontogeny, ageing and senescence?. <i>Biological Reviews</i> , 2008, 83, 339-355.	4.7	427
44	Interactions between injury, stress resistance, reproduction, and aging in <i>Drosophila melanogaster</i> . <i>Experimental Gerontology</i> , 2008, 43, 136-145.	1.2	19
45	Bias, precision and accuracy in the estimation of cuticular and respiratory water loss: A case study from a highly variable cockroach, <i>Perisphaeria</i> sp.. <i>Journal of Insect Physiology</i> , 2008, 54, 169-179.	0.9	15
46	Sexual dimorphism in desiccation responses of the sand scorpion <i>Smeringurus mesaensis</i> (Vaejovidae). <i>Journal of Insect Physiology</i> , 2008, 54, 798-805.	0.9	14
47	Changes in body melanisation and desiccation resistance in highland vs. lowland populations of <i>D. melanogaster</i> . <i>Journal of Insect Physiology</i> , 2008, 54, 1050-1056.	0.9	120
48	Osmotic and Ionic Regulation in Insects. , 2008, , 231-293.		4
49	Experimental evolution with <i>Drosophila</i> . <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 296, R1847-R1854.	0.9	52
50	The <i>Drosophila</i> foraging Gene Mediates Adult Plasticity and Gene-Environment Interactions in Behaviour, Metabolites, and Gene Expression in Response to Food Deprivation. <i>PLoS Genetics</i> , 2009, 5, e1000609.	1.5	89
51	Partitioning of transpiratory water loss of the desert scorpion, <i>Hadrurus arizonensis</i> (Luridae). <i>Journal of Insect Physiology</i> , 2009, 55, 544-548.	0.9	5
52	Impact of body melanisation on desiccation resistance in montane populations of <i>D. melanogaster</i> : Analysis of seasonal variation. <i>Journal of Insect Physiology</i> , 2009, 55, 898-908.	0.9	35
53	Effect of soil humidity on the survival of <i>Solenopsis invicta</i> Buren workers. <i>Insectes Sociaux</i> , 2009, 56, 367-373.	0.7	17
54	Elevation and forest clearing effects on foraging differ between surface and subterranean foraging army ants (Formicidae: Ecitoninae). <i>Journal of Animal Ecology</i> , 2009, 78, 91-97.	1.3	26

#	ARTICLE	IF	CITATIONS
55	The effects of selection for cold tolerance on cross-tolerance to other environmental stressors in <i>Drosophila melanogaster</i> . <i>Insect Science</i> , 2009, 16, 263-276.	1.5	51
56	INTERACTIONS BETWEEN ENVIRONMENTAL STRESS AND MALE MATING SUCCESS MAY ENHANCE EVOLUTIONARY DIVERGENCE OF STRESS-RESISTANT <i>DROSOPHILA</i> POPULATIONS. <i>Evolution; International Journal of Organic Evolution</i> , 2009, 63, 1653-1659.	1.1	22
57	Phenotypic plasticity of desiccation resistance in <i>Glossina</i> puparia: are there ecotype constraints on acclimation responses?. <i>Journal of Evolutionary Biology</i> , 2009, 22, 1636-1648.	0.8	33
58	Inversion 2La is associated with enhanced desiccation resistance in <i>Anopheles gambiae</i> . <i>Malaria Journal</i> , 2009, 8, 215.	0.8	77
59	Impact of Darker, Intermediate and Lighter Phenotypes of Body Melanization on Desiccation Resistance in <i>Drosophila melanogaster</i> . <i>Journal of Insect Science</i> , 2009, 9, 1-10.	0.6	24
60	Impact of body melanisation on contrasting levels of desiccation resistance in a circumtropical and a generalist <i>Drosophila</i> species. <i>Evolutionary Ecology</i> , 2010, 24, 207-225.	0.5	41
61	The respiratory basis of locomotion in <i>Drosophila</i> . <i>Journal of Insect Physiology</i> , 2010, 56, 543-550.	0.9	22
62	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.	0.9	96
63	Rapid changes in desiccation resistance in <i>Drosophila melanogaster</i> are facilitated by changes in cuticular permeability. <i>Journal of Insect Physiology</i> , 2010, 56, 2006-2012.	0.9	73
64	Comparative analysis of upper thermal tolerance and CO ₂ production rate during heat shock in two different European strains of <i>Sitophilus zeamais</i> (Coleoptera: Curculionidae). <i>Journal of Stored Products Research</i> , 2010, 46, 20-27.	1.2	17
65	Body size variation in insects: a macroecological perspective. <i>Biological Reviews</i> , 2010, 85, 139-169.	4.7	534
66	ADAPTATION TO DESICCATION FAILS TO GENERATE PRE- AND POSTMATING ISOLATION IN REPLICATE <i>DROSOPHILA MELANOGASTER</i> LABORATORY POPULATIONS. <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 710-723.	1.1	59
67	CLINES IN CUTICULAR HYDROCARBONS IN TWO <i>DROSOPHILA</i> SPECIES WITH INDEPENDENT POPULATION HISTORIES. <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 1784-1794.	1.1	70
68	Genomic approaches with natural fish populations. <i>Journal of Fish Biology</i> , 2010, 76, 1067-1093.	0.7	38
69	Sexual dimorphism for water balance mechanisms in montane populations of <i>Drosophila kikkawai</i> . <i>Biology Letters</i> , 2010, 6, 570-574.	1.0	10
70	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.	0.9	71
71	Desiccation resistance of adult Queensland fruit flies <i>Bactrocera tryoni</i> decreases with age. <i>Physiological Entomology</i> , 2010, 35, 385-390.	0.6	22
72	Testing the melanism-desiccation hypothesis: A case study in Darwinian evolution. , 2010, , 279-306.		4

#	ARTICLE	IF	CITATIONS
73	Effects of larval growth condition and water availability on desiccation resistance and its physiological basis in adult <i>Anopheles gambiae</i> sensu stricto. <i>Malaria Journal</i> , 2010, 9, 225.	0.8	37
74	Complex Interactions between Temperature and Relative Humidity on Water Balance of Adult Tsetse (<i>Glossinidae</i> , <i>Diptera</i>): Implications for Climate Change. <i>Frontiers in Physiology</i> , 2011, 2, 74.	1.3	39
75	Desiccation resistance and mating behaviour in laboratory populations of <i>Drosophila simulans</i> originating from the opposing slopes of Lower Nahal Oren (Israel). <i>Journal of Evolutionary Biology</i> , 2011, 24, 2110-2117.	0.8	6
76	Quantitative genetic analysis suggests causal association between cuticular hydrocarbon composition and desiccation survival in <i>Drosophila melanogaster</i> . <i>Heredity</i> , 2011, 106, 68-77.	1.2	87
77	Water loss in insects: An environmental change perspective. <i>Journal of Insect Physiology</i> , 2011, 57, 1070-1084.	0.9	296
78	Effects of diet and water supply on energy intake and water loss in a mygalomorph spider in a fluctuating environment of the central Andes. <i>Journal of Insect Physiology</i> , 2011, 57, 1489-1494.	0.9	19
79	Physiological changes in major soldiers of <i>Macrotermes gilvus</i> (Isoptera: Termitidae) induced by the endoparasitoid <i>Misotermes mindeni</i> (Diptera: Phoridae). <i>Journal of Insect Physiology</i> , 2011, 57, 1495-1500.	0.9	6
80	Divergence of water balance mechanisms in two melanic <i>Drosophila</i> species from the western Himalayas. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2011, 158, 531-541.	0.8	16
81	Male-limited evolution suggests no extant intralocus sexual conflict over the sexually dimorphic cuticular hydrocarbons of <i>Drosophila melanogaster</i> . <i>Journal of Genetics</i> , 2011, 90, 443-452.	0.4	9
82	Evaluation of the Role of Functional Constraints on the Integrity of an Ultraconserved Region in the Genus <i>Drosophila</i> . <i>PLoS Genetics</i> , 2012, 8, e1002475.	1.5	15
83	Gene expression changes governing extreme dehydration tolerance in an Antarctic insect. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 20744-20749.	3.3	118
84	Aging modulates cuticular hydrocarbons and sexual attractiveness in <i>Drosophila melanogaster</i> . <i>Journal of Experimental Biology</i> , 2012, 215, 814-821.	0.8	88
85	Sex-specific genotype-by-environment interactions for cuticular hydrocarbon expression in decorated crickets, <i>Grylloblatta campodeiformis</i> : implications for the evolution of signal reliability. <i>Journal of Evolutionary Biology</i> , 2012, 25, 2112-2125.	0.8	39
86	Sexual selection and experimental evolution of chemical signals in <i>Drosophila pseudoobscura</i> . <i>Journal of Evolutionary Biology</i> , 2012, 25, 2232-2241.	0.8	25
87	Composition and antimicrobial activity of fatty acids detected in the hygroscopic secretion collected from the secretory setae of larvae of the biting midge <i>Forcipomyia nigra</i> (Diptera: Ceratopogonidae). <i>Journal of Insect Physiology</i> , 2012, 58, 1265-1276.	0.9	66
88	Male pheromone polymorphism and reproductive isolation in populations of <i>Drosophila simulans</i> . <i>Ecology and Evolution</i> , 2012, 2, 2527-2536.	0.8	9
89	Mortality from desiccation contributes to a genotype-by-temperature interaction for cold survival in <i>Drosophila melanogaster</i> . <i>Journal of Experimental Biology</i> , 2012, 216, 1174-82.	0.8	11
90	Divergent strategy for adaptation to drought stress in two sibling species of montium species subgroup: <i>Drosophila kikkawai</i> and <i>Drosophila leontia</i> . <i>Journal of Insect Physiology</i> , 2012, 58, 1525-1533.	0.9	7

#	ARTICLE	IF	CITATIONS
91	Glycerol Hypersensitivity in a <i>Drosophila</i> Model for Glycerol Kinase Deficiency Is Affected by Mutations in Eye Pigmentation Genes. <i>PLoS ONE</i> , 2012, 7, e31779.	1.1	5
92	Life history traits variation in heterogeneous environment: The case of a freshwater snail resistance to pond drying. <i>Ecology and Evolution</i> , 2012, 2, 218-226.	0.8	10
93	Divergence of larval resource acquisition for water conservation and starvation resistance in <i>Drosophila melanogaster</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2012, 182, 625-640.	0.7	4
94	Divergent strategies for adaptation to desiccation stress in two <i>Drosophila</i> species of immigrans group. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2012, 182, 751-769.	0.7	12
95	ANTAGONISTIC RESPONSES TO NATURAL AND SEXUAL SELECTION AND THE SEX-SPECIFIC EVOLUTION OF CUTICULAR HYDROCARBONS IN <i>DROSOPHILA SIMULANS</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 665-677.	1.1	42
96	Trade-off of energy metabolites as well as body color phenotypes for starvation and desiccation resistance in montane populations of <i>Drosophila melanogaster</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2012, 161, 102-113.	0.8	14
97	Subterranean termite open-air foraging and tolerance to desiccation: Comparative water relation of two sympatric <i>Macrotermes</i> spp. (Blattodea: Termitidae). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2012, 161, 201-207.	0.8	29
98	Adaptive associations between total body color dimorphism and climatic stress-related traits in a stenothermal circumtropical <i>Drosophila</i> species. <i>Insect Science</i> , 2012, 19, 247-262.	1.5	15
99	Energetic consequences of repeated and prolonged dehydration in the Antarctic midge, <i>Belgica antarctica</i> . <i>Journal of Insect Physiology</i> , 2012, 58, 498-505.	0.9	25
100	Humidity affects genetic architecture of heat resistance in <i>Drosophila melanogaster</i> . <i>Journal of Evolutionary Biology</i> , 2012, 25, 1180-1188.	0.8	36
101	Coadapted changes in energy metabolites and body color phenotypes for resistance to starvation and desiccation in latitudinal populations of <i>D. melanogaster</i> . <i>Evolutionary Ecology</i> , 2012, 26, 149-169.	0.5	17
102	Epicuticular Compounds of <i>Drosophila subquinaria</i> and <i>D. recens</i> : Identification, Quantification, and Their Role in Female Mate Choice. <i>Journal of Chemical Ecology</i> , 2013, 39, 579-590.	0.9	32
103	Divergence of water balance mechanisms in two sibling species (<i>Drosophila simulans</i> and <i>D. Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 267</i>). <i>Systemic, and Environmental Physiology</i> , 2013, 183, 359-378.	0.7	22
104	Rapid effects of humidity acclimation on stress resistance in <i>Drosophila melanogaster</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2013, 166, 81-90.	0.8	27
105	THE INFLUENCE OF ABDOMINAL PIGMENTATION ON DESICCATION AND ULTRAVIOLET RESISTANCE IN TWO SPECIES OF <i>DROSOPHILA</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2013, 67, 2451-2460.	1.1	46
106	Expression of genes involved in energy mobilization and osmoprotectant synthesis during thermal and dehydration stress in the Antarctic midge, <i>Belgica antarctica</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2013, 183, 189-201.	0.7	45
107	Meta-analysis of geographical clines in desiccation tolerance of Indian drosophilids. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2013, 164, 391-398.	0.8	28
108	Desiccation resistance along an aridity gradient in the cactophilic fly <i>Drosophila buzzatii</i> : sex-specific responses to stress. <i>Evolutionary Ecology</i> , 2013, 27, 505-519.	0.5	6

#	ARTICLE	IF	CITATIONS
109	Interaction between temperature and male pheromone in sexual isolation in <i>Drosophila melanogaster</i> . <i>Journal of Evolutionary Biology</i> , 2013, 26, 2008-2020.	0.8	25
110	The antifungal activity of the cuticular and internal fatty acid methyl esters and alcohols in <i>Calliphora vomitoria</i> . <i>Parasitology</i> , 2013, 140, 972-985.	0.7	28
111	Desiccation resistance of wild and mass-reared <i>Bactrocera tryoni</i> (Diptera: Tephritidae). <i>Bulletin of Entomological Research</i> , 2013, 103, 690-699.	0.5	37
112	Soil moisture and relative humidity effects during postdiapause on the emergence of western cherry fruit fly (Diptera: Tephritidae). <i>Canadian Entomologist</i> , 2013, 145, 317-326.	0.4	19
113	Sexual selection on cuticular hydrocarbons of male sagebrush crickets in the wild. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20132353.	1.2	48
114	Sex-specific differences in the physiological basis of water conservation in the fruit fly <i>Drosophila hydei</i> from the western Himalayas. <i>Canadian Journal of Zoology</i> , 2014, 92, 545-555.	0.4	1
115	Divergent mechanisms for water conservation in <i>Drosophila</i> species. <i>Entomologia Experimentalis Et Applicata</i> , 2014, 151, 43-56.	0.7	20
116	Alternative overwintering strategies in an Antarctic midge: freezing vs. cryoprotective dehydration. <i>Functional Ecology</i> , 2014, 28, 933-943.	1.7	20
117	Thermal developmental plasticity affects body size and water conservation of <i>Drosophila nepalensis</i> from the Western Himalayas. <i>Bulletin of Entomological Research</i> , 2014, 104, 504-516.	0.5	10
118	Sex-dependent evolution of life-history traits following adaptation to climate warming. <i>Functional Ecology</i> , 2014, 28, 469-478.	1.7	28
119	Seasonal changes in humidity impact drought resistance in tropical <i>Drosophila leontia</i> : Testing developmental effects of thermal versus humidity changes. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2014, 169, 33-43.	0.8	9
120	Extreme temperatures in the adult stage shape delayed effects of larval pesticide stress: A comparison between latitudes. <i>Aquatic Toxicology</i> , 2014, 148, 74-82.	1.9	41
121	Sex-specific differences in desiccation resistance and the use of energy metabolites as osmolytes in <i>Drosophila melanogaster</i> flies acclimated to dehydration stress. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2014, 184, 193-204.	0.7	6
122	The quantitative genetics of physiological and morphological traits in an invasive terrestrial snail: additive vs. non-additive genetic variation. <i>Functional Ecology</i> , 2014, 28, 682-692.	1.7	17
123	The antifungal activity of fatty acids of all stages of <i>Sarcophaga carnaria</i> L. (Diptera: Sarcophagidae). <i>Microbiological Research</i> , 2014, 169, 279-286.	2.5	54
124	Divergence of water balance mechanisms and acclimation potential in body color morphs of <i>Drosophila ananassae</i> . <i>Journal of Experimental Zoology</i> , 2014, 321, 13-27.	1.2	4
125	Effects of size, sex and teneral resources on the resistance to hydric stress in the tephritid fruit fly <i>Anastrepha ludens</i> . <i>Journal of Insect Physiology</i> , 2014, 70, 73-80.	0.9	31
126	Novel insights into the metabolic and biochemical underpinnings assisting dry-season survival in female malaria mosquitoes of the <i>Anopheles gambiae</i> complex. <i>Journal of Insect Physiology</i> , 2014, 70, 102-116.	0.9	33

#	ARTICLE	IF	CITATIONS
127	Sex-specific divergence for body size and desiccation-related traits in <i>Drosophila hydei</i> from the western Himalayas. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2014, 177, 1-10.	0.8	9
128	Identification of morphological and chemical markers of dry- and wet-season conditions in female <i>Anopheles gambiae</i> mosquitoes. <i>Parasites and Vectors</i> , 2014, 7, 294.	1.0	15
129	Replicated evolutionary divergence in the cuticular hydrocarbon profile of male crickets associated with the loss of song in the Hawaiian archipelago. <i>Journal of Evolutionary Biology</i> , 2014, 27, 2249-2257.	0.8	24
130	Cuticular differences associated with aridity acclimation in African malaria vectors carrying alternative arrangements of inversion 2La. <i>Parasites and Vectors</i> , 2014, 7, 176.	1.0	34
131	Ecophysiology of <i>Anopheles gambiae</i> s.l.: Persistence in the Sahel. <i>Infection, Genetics and Evolution</i> , 2014, 28, 648-661.	1.0	40
132	Experimental Evolution and Economics. <i>SAGE Open</i> , 2015, 5, 215824401561252.	0.8	19
133	Quantitative variation for metabolic traits among brook trout populations inhabiting different environments. <i>Journal of Zoology</i> , 2015, 297, 194-203.	0.8	1
134	Polymorphisms in a desaturase 2 ortholog associate with cuticular hydrocarbon and male mating success variation in a natural population of <i>Drosophila serrata</i> . <i>Journal of Evolutionary Biology</i> , 2015, 28, 1600-1609.	0.8	3
135	Reproductive character displacement of female mate preferences for male cuticular hydrocarbons in <i>Drosophila subquinaria</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 2625-2637.	1.1	11
136	Patterns of variation in desiccation resistance in a set of recombinant inbred lines in <i>Drosophila melanogaster</i> . <i>Physiological Entomology</i> , 2015, 40, 205-211.	0.6	2
137	The effects of prestarvation diet on starvation tolerance of the predatory mite <i>Noseiulus californicus</i> (Acari: Phytoseiidae). <i>Physiological Entomology</i> , 2015, 40, 296-303.	0.6	4
138	Chemical cues mediate species recognition in field crickets. <i>Frontiers in Ecology and Evolution</i> , 2015, 3, .	1.1	14
139	The Comparative Osmoregulatory Ability of Two Water Beetle Genera Whose Species Span the Fresh-Hypersaline Gradient in Inland Waters (Coleoptera: Dytiscidae, Hydrophilidae). <i>PLoS ONE</i> , 2015, 10, e0124299.	1.1	33
140	Adaptation of the spiders to the environment: the case of some Chilean species. <i>Frontiers in Physiology</i> , 2015, 6, 220.	1.3	23
141	Wax, sex and the origin of species: Dual roles of insect cuticular hydrocarbons in adaptation and mating. <i>BioEssays</i> , 2015, 37, 822-830.	1.2	237
142	Physical features and chitin content of eggs from the mosquito vectors <i>Aedes aegypti</i> , <i>Anopheles aquasalis</i> and <i>Culex quinquefasciatus</i> : Connection with distinct levels of resistance to desiccation. <i>Journal of Insect Physiology</i> , 2015, 83, 43-52.	0.9	88
143	Dehydration tolerance: a mode of adaptation in two related <i>Drosophila</i> species of the repleta subgroup from western Himalayas. <i>Ethology Ecology and Evolution</i> , 2015, 27, 17-28.	0.6	1
144	Water balance profiles, humidity preference and survival of two sympatric cockroach egg parasitoids <i>Evania appendigaster</i> and <i>Aprostocetus hagenowii</i> (Hymenoptera: Evaniidae; Eulophidae). <i>Journal of Insect Physiology</i> , 2015, 77, 45-54.	0.9	8

#	ARTICLE	IF	CITATIONS
145	Insect pheromones: An overview of function, form, and discovery. <i>Progress in Lipid Research</i> , 2015, 59, 88-105.	5.3	166
146	Exceptional thermal tolerance and water resistance in the mite <i>Paratarsotomus macropalpis</i> (Erythracaridae) challenge prevailing explanations of physiological limits. <i>Journal of Insect Physiology</i> , 2015, 82, 1-7.	0.9	32
147	Rapid desiccation hardening changes the cuticular hydrocarbon profile of <i>Drosophila melanogaster</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2015, 180, 38-42.	0.8	54
148	Comparative physiological plasticity to desiccation in distinct populations of the malarial mosquito <i>Anopheles coluzzii</i> . <i>Parasites and Vectors</i> , 2016, 9, 565.	1.0	11
149	Steroid Hormone Signaling Is Essential for Pheromone Production and Oenocyte Survival. <i>PLoS Genetics</i> , 2016, 12, e1006126.	1.5	51
150	Desiccation tolerance in <i>Anopheles coluzzii</i> : the effects of spiracle size and cuticular hydrocarbons. <i>Journal of Experimental Biology</i> , 2016, 219, 1675-88.	0.8	39
151	Seasonal changes in the fatty acid profile of the tick <i>Ixodes ricinus</i> (Acari, Ixodidae). <i>Experimental and Applied Acarology</i> , 2016, 69, 155-165.	0.7	5
152	Regionalization of surface lipids in insects. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20152994.	1.2	51
153	Desiccation resistance in tropical insects: causes and mechanisms underlying variability in a Panama ant community. <i>Ecology and Evolution</i> , 2016, 6, 6282-6291.	0.8	86
154	Reasons for success: Rapid evolution for desiccation resistance and life-history changes in the polyphagous fly <i>Anastrepha ludens</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2016, 70, 2583-2594.	1.1	24
155	Effects of saturation deficit on desiccation resistance and water balance in seasonal populations of a tropical drosophilid <i>Zaprionus indianus</i> . <i>Journal of Experimental Biology</i> , 2016, 219, 3237-3245.	0.8	7
156	Physiological mechanisms of dehydration tolerance contribute to the invasion potential of <i>Ceratitis capitata</i> (Wiedemann) (Diptera: Tephritidae) relative to its less widely distributed congeners. <i>Frontiers in Zoology</i> , 2016, 13, 15.	0.9	51
157	Morphological changes in the spiracles of <i>Anopheles gambiae</i> s.l (Diptera) as a response to the dry season conditions in Burkina Faso (West Africa). <i>Parasites and Vectors</i> , 2016, 9, 11.	1.0	17
158	Effects of Induced High Carbon Dioxide and Desiccated Atmospheres on the Water Loss and Survival of Subterranean and Invading Drywood Termites. <i>Journal of Economic Entomology</i> , 2016, 109, 753-761.	0.8	2
159	Starvation but not locomotion enhances heart robustness in <i>Drosophila</i> . <i>Journal of Insect Physiology</i> , 2017, 99, 8-14.	0.9	6
160	Chemotaxonomic Profile and Intraspecific Variation in the Blow Fly of Forensic Interest <i>Chrysomya megacephala</i> (Diptera: Calliphoridae). <i>Journal of Medical Entomology</i> , 2017, 54, 14-23.	0.9	13
161	Nutrition modifies critical thermal maximum of a dominant canopy ant. <i>Journal of Insect Physiology</i> , 2017, 102, 1-6.	0.9	45
162	Adaptation to fluctuating environments in a selection experiment with <i>Drosophila melanogaster</i> . <i>Ecology and Evolution</i> , 2017, 7, 3796-3807.	0.8	13

#	ARTICLE	IF	CITATIONS
163	Cold and desiccation stress induced changes in the accumulation and utilization of proline and trehalose in seasonal populations of <i>Drosophila immigrans</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2017, 203, 304-313.	0.8	27
164	Adaptive dynamics of cuticular hydrocarbons in <i>Drosophila</i> . <i>Journal of Evolutionary Biology</i> , 2017, 30, 66-80.	0.8	87
165	Laboratory studies on the thermal tolerance and response of enzymes of intermediate metabolism in different land snail species. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2017, 203, 262-272.	0.8	3
166	From Nature to the Lab: Establishing <i>Drosophila</i> Resources for Evolutionary Genetics. <i>Frontiers in Ecology and Evolution</i> , 2017, 5, .	1.1	10
167	Darker eggs of mosquitoes resist more to dry conditions: Melanin enhances serosal cuticle contribution in egg resistance to desiccation in <i>Aedes</i> , <i>Anopheles</i> and <i>Culex</i> vectors. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0006063.	1.3	55
168	The Effect of Ambient Humidity on the Metabolic Rate and Respiratory Patterns of the Hissing Cockroach, <i>Gromphadorhina portentosa</i> (Blattodea: Blaberidae). <i>Environmental Entomology</i> , 2018, 47, 477-483.	0.7	3
169	Temperature and humidity acclimation increase desiccation resistance in the butterfly <i>icyclus anynana</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2018, 166, 289-297.	0.7	10
170	Distinct physiological, biochemical and morphometric adjustments in the malaria vectors <i>Anopheles gambiae</i> and <i>An. coluzzii</i> as means to survive to dry season conditions in Burkina Faso. <i>Journal of Experimental Biology</i> , 2018, 221, .	0.8	10
171	Effect of metabolites on stress, adaptation and longevity in laboratory populations of <i>Drosophila</i> flies. <i>Journal of Zoology</i> , 2018, 305, 43-52.	0.8	2
172	Hormetic benefits of prior anoxia exposure in buffering anoxia stress in a soil-pupating insect. <i>Journal of Experimental Biology</i> , 2018, 221, .	0.8	17
173	Dehydration prompts increased activity and blood feeding by mosquitoes. <i>Scientific Reports</i> , 2018, 8, 6804.	1.6	69
174	Heat and humidity induced plastic changes in body lipids and starvation resistance in the tropical <i>Zapionus indianus</i> of wet - dry seasons. <i>Journal of Experimental Biology</i> , 2018, 221, .	0.8	7
175	Plasticity for desiccation tolerance across <i>Drosophila</i> species is affected by phylogeny and climate in complex ways. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20180048.	1.2	46
176	Aridity Decouples C:N:P Stoichiometry Across Multiple Trophic Levels in Terrestrial Ecosystems. <i>Ecosystems</i> , 2018, 21, 459-468.	1.6	40
177	How ants acclimate: Impact of climatic conditions on the cuticular hydrocarbon profile. <i>Functional Ecology</i> , 2018, 32, 657-666.	1.7	53
178	Influence of temperature on survival and cuticular chemical profile of social wasps. <i>Journal of Thermal Biology</i> , 2018, 71, 221-231.	1.1	26
179	Plasticity and cross-tolerance to heterogeneous environments: divergent stress responses co-evolved in an African fruit fly. <i>Journal of Evolutionary Biology</i> , 2018, 31, 98-110.	0.8	38
180	Desiccation Resistance and Micro-Climate Adaptation: Cuticular Hydrocarbon Signatures of Different Argentine Ant Supercolonies Across California. <i>Journal of Chemical Ecology</i> , 2018, 44, 1101-1114.	0.9	25

#	ARTICLE	IF	CITATIONS
181	New method for estimating the post-mortem interval using the chemical composition of different generations of empty puparia: Indoor cases. <i>PLoS ONE</i> , 2018, 13, e0209776.	1.1	13
182	Effects of evolutionary history on genome wide and phenotypic convergence in <i>Drosophila</i> populations. <i>BMC Genomics</i> , 2018, 19, 743.	1.2	16
183	Spatiotemporal dynamics and genome-wide association analysis of desiccation tolerance in <i>Drosophila melanogaster</i> . <i>Molecular Ecology</i> , 2018, 27, 3525-3540.	2.0	33
184	Geographic variation and plasticity in climate stress resistance among southern African populations of <i>Ceratitis capitata</i> (Wiedemann) (Diptera: Tephritidae). <i>Scientific Reports</i> , 2018, 8, 9849.	1.6	41
185	Cuticular hydrocarbon chemistry, an important factor shaping the current distribution pattern of the imported fire ants in the USA. <i>Journal of Insect Physiology</i> , 2018, 110, 34-43.	0.9	6
186	The genetic basis of female pheromone differences between <i>Drosophila melanogaster</i> and <i>D. simulans</i> . <i>Heredity</i> , 2019, 122, 93-109.	1.2	16
187	Adult <i>Paederus fuscipes</i> (Coleoptera: Staphylinidae) Beetles Overcome Water Loss With Increased Total Body Water Content, Energy Metabolite Storage, and Reduced Cuticular Permeability: Age, Sex-Specific, and Mating Status Effects on Desiccation. <i>Environmental Entomology</i> , 2019, 48, 911-922.	0.7	5
188	NLCYP4G76 and NLCYP4G115 Modulate Susceptibility to Desiccation and Insecticide Penetration Through Affecting Cuticular Hydrocarbon Biosynthesis in <i>Nilaparvata lugens</i> (Hemiptera: Tj ETQq1 1 0.784314 rgBT/Overlode 10 Tf 50	0.5	19
189	Effect of temperature on the chemical profiles of nest materials of social wasps. <i>Journal of Thermal Biology</i> , 2019, 84, 214-220.	1.1	1
190	Biological Adaptations Associated with Dehydration in Mosquitoes. <i>Insects</i> , 2019, 10, 375.	1.0	23
191	BgFas1: A fatty acid synthase gene required for both hydrocarbon and cuticular fatty acid biosynthesis in the German cockroach, <i>Blattella germanica</i> (L.). <i>Insect Biochemistry and Molecular Biology</i> , 2019, 112, 103203.	1.2	35
192	Role of cuticle hydrocarbons composition in the salinity tolerance of aquatic beetles. <i>Journal of Insect Physiology</i> , 2019, 117, 103899.	0.9	9
193	Pleiotropic Effects of ebony and tan on Pigmentation and Cuticular Hydrocarbon Composition in <i>Drosophila melanogaster</i> . <i>Frontiers in Physiology</i> , 2019, 10, 518.	1.3	38
194	Changes in lipid classes of <i>Drosophila melanogaster</i> in response to selection for three stress traits. <i>Journal of Insect Physiology</i> , 2019, 117, 103890.	0.9	3
195	Gut yeasts do not improve desiccation survival in <i>Drosophila melanogaster</i> . <i>Journal of Insect Physiology</i> , 2019, 117, 103893.	0.9	0
196	Natural and sexual selection on cuticular hydrocarbons: a quantitative genetic analysis. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20190677.	1.2	16
197	Disentangling factors limiting diamondback moth, <i>Plutella xylostella</i> (L.), spatio-temporal population abundance: A tool for pest forecasting. <i>Journal of Applied Entomology</i> , 2019, 143, 670-682.	0.8	4
198	Not so free range? Oviposition microhabitat and egg clustering affects <i>Eretmoptera murphyi</i> (Diptera: Tj ETQq1 1 0.784314 rgBT/Overlode 10 Tf 50	0.5	19

#	ARTICLE	IF	CITATIONS
199	Adult diet of a tephritid fruit fly does not compensate for impact of a poor larval diet on stress resistance. <i>Journal of Experimental Biology</i> , 2019, 222, .	0.8	14
200	Hydrocarbons catalysed by <i>TmCYP4G122</i> and <i>TmCYP4G123</i> in <i>Tenebrio molitor</i> modulate the olfactory response of the parasitoid <i>Scleroderma guani</i> . <i>Insect Molecular Biology</i> , 2019, 28, 637-648.	1.0	17
201	Oxytocin/vasopressin-like peptide inotocin regulates cuticular hydrocarbon synthesis and water balancing in ants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 5597-5606.	3.3	29
202	The physiology of forager hydration and variation among harvester ant (<i>Pogonomyrmex barbatus</i>) colonies in collective foraging behavior. <i>Scientific Reports</i> , 2019, 9, 5126.	1.6	23
203	Effect of temperature on survival and cuticular composition of three different ant species. <i>Journal of Thermal Biology</i> , 2019, 80, 178-189.	1.1	13
204	Differential sensitivity of bees to urbanization-driven changes in body temperature and water content. <i>Scientific Reports</i> , 2019, 9, 1643.	1.6	52
205	Response to Multiple Stressors: Enhanced Tolerance of <i>Neoseiulus barkeri</i> Hughes (Acari: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 502 Td	1.0	19
206	Communication vs. waterproofing: the physics of insect cuticular hydrocarbons. <i>Journal of Experimental Biology</i> , 2019, 222, .	0.8	31
207	Conflictual influence of humidity during shelter selection of the American cockroach (<i>Periplaneta</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.6	5
208	Proximate mechanisms of drought resistance in <i>Phytoseiulus persimilis</i> eggs. <i>Experimental and Applied Acarology</i> , 2019, 79, 279-298.	0.7	21
209	Phenotypic variation in egg survival in the predatory mite <i>Phytoseiulus persimilis</i> under dry conditions. <i>Biological Control</i> , 2019, 130, 88-94.	1.4	10
210	Termite environmental tolerances are more linked to desiccation than temperature in modified tropical forests. <i>Insectes Sociaux</i> , 2019, 66, 57-64.	0.7	32
211	Diapause affects cuticular hydrocarbon composition and mating behavior of both sexes in <i>Drosophila montana</i> . <i>Insect Science</i> , 2020, 27, 304-316.	1.5	27
212	Dietary nutrient balance shapes phenotypic traits of <i>Drosophila melanogaster</i> in interaction with gut microbiota. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2020, 241, 110626.	0.8	27
213	Epicuticular Compounds of <i>Protophila litigata</i> (Diptera: Piophilidae): Identification and Sexual Selection Across Two Years in the Wild. <i>Annals of the Entomological Society of America</i> , 2020, 113, 40-49.	1.3	0
214	Effects of residual doses of neonicotinoid (imidacloprid) on metabolic rate of queen honey bees <i>Apis mellifera</i> (Hymenoptera: Apidae). <i>Apidologie</i> , 2020, 51, 1091-1099.	0.9	11
215	Distribution and Habitat Preferences of the Newly Rediscovered <i>Telmatogeton magellanicus</i> (Jacobs,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.0	3
216	Increased time sampling in an evolveâandâresequence experiment with outcrossing <i>Saccharomyces cerevisiae</i> reveals multiple paths of adaptive change. <i>Molecular Ecology</i> , 2020, 29, 4898-4912.	2.0	12

#	ARTICLE	IF	CITATIONS
217	Water Loss and Desiccation Tolerance of the Two Yearly Generations of Adult and Nymphal Kudzu Bugs, <i>Megacopta cribraria</i> (Hemiptera: Plataspidae). <i>Environmental Entomology</i> , 2020, 49, 651-659.	0.7	1
218	Cuticle darkening correlates with increased body copper content in <i>Drosophila melanogaster</i> . <i>BioMetals</i> , 2020, 33, 293-303.	1.8	12
219	Divergence of Desiccation-Related Traits in <i>Sitobion avenae</i> from Northwestern China. <i>Insects</i> , 2020, 11, 626.	1.0	3
220	Lipophorin receptor regulates the cuticular hydrocarbon accumulation and adult fecundity of the pea aphid <i>Acyrtosiphon pisum</i> . <i>Insect Science</i> , 2021, 28, 1018-1032.	1.5	8
221	New approach to application of mid-infrared photoacoustic spectroscopy in forensic analysis: Study with the necrophagous blow fly <i>Chrysomya megacephala</i> (Diptera: Calliphoridae). <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 209, 111934.	1.7	5
222	Local adaptation across a complex bioclimatic landscape in two montane bumble bee species. <i>Molecular Ecology</i> , 2020, 29, 920-939.	2.0	41
223	Experimental evidence for accelerated adaptation to desiccation through sexual selection on males. <i>Journal of Evolutionary Biology</i> , 2020, 33, 1060-1067.	0.8	2
224	Hydrocarbon pheromone production in insects. , 2021, , 205-235.		2
225	Post-eclosion temperature effects on insect cuticular hydrocarbon profiles. <i>Ecology and Evolution</i> , 2021, 11, 352-364.	0.8	13
226	Low levels of genetic differentiation with isolation by geography and environment in populations of <i>Drosophila melanogaster</i> from across China. <i>Heredity</i> , 2021, 126, 942-954.	1.2	5
227	The effects of adaptation to urea on feeding rates and growth in <i>Drosophila</i> larvae. <i>Ecology and Evolution</i> , 2021, 11, 9516-9529.	0.8	4
228	No water, no mating: Connecting dots from behaviour to pathways. <i>PLoS ONE</i> , 2021, 16, e0252920.	1.1	4
229	Developmental and adult acclimation impact cold and drought survival of invasive tropical <i>Drosophila kikkawai</i> . <i>Biology Open</i> , 2021, 10, .	0.6	2
230	Effects of Thermal Acclimation on the Tolerance of <i>Bactrocera zonata</i> (Diptera: Tephritidae) to Hydric Stress. <i>Frontiers in Physiology</i> , 2021, 12, 686424.	1.3	9
231	Evolutionary Biology of Aging. , 2005, , 217-242.		7
232	Evolution of the Mechanisms Underlying Insect Respiratory Gas Exchange. <i>Advances in Insect Physiology</i> , 2015, , 1-24.	1.1	18
233	Desiccation and starvation resistance in <i>Drosophila</i> : patterns of variation at the species, population and intrapopulation levels. <i>Heredity</i> , 1999, 83, 637-643.	1.2	25
234	Desiccation Resistance in Interspecific <i>Drosophila</i> Crosses: Genetic Interactions and Trait Correlations. <i>Genetics</i> , 1999, 151, 1493-1502.	1.2	38

#	ARTICLE	IF	CITATIONS
236	Evolutionary Consequences of Altered Atmospheric Oxygen in <i>Drosophila melanogaster</i> . PLoS ONE, 2011, 6, e26876.	1.1	12
237	Adaptation to Aridity in the Malaria Mosquito <i>Anopheles gambiae</i> : Chromosomal Inversion Polymorphism and Body Size Influence Resistance to Desiccation. PLoS ONE, 2012, 7, e34841.	1.1	80
238	An Experimental Evolution Test of the Relationship between Melanism and Desiccation Survival in Insects. PLoS ONE, 2016, 11, e0163414.	1.1	19
239	More oxygen during development enhanced flight performance but not thermal tolerance of <i>Drosophila melanogaster</i> . PLoS ONE, 2017, 12, e0177827.	1.1	10
240	Solid-phase microextraction-based cuticular hydrocarbon profiling for intraspecific delimitation in <i>Acyrthosiphon pisum</i> . PLoS ONE, 2017, 12, e0184243.	1.1	10
241	Cuticular hydrocarbons corroborate the distinction between lowland and highland Natal fruit fly (<i>Tephritidae</i> , <i>Ceratitis rosa</i>) populations. ZooKeys, 2015, 540, 507-524.	0.5	22
242	Cuticle hydrocarbons in saline aquatic beetles. PeerJ, 2017, 5, e3562.	0.9	13
243	Desiccation resistance: effect of cuticular hydrocarbons and water content in <i>Drosophila melanogaster</i> adults. PeerJ, 2018, 6, e4318.	0.9	44
244	Disruption of Glycerol Metabolism by RNAi Targeting of Genes Encoding Glycerol Kinase Results in a Range of Phenotype Severity in <i>Drosophila</i> . PLoS ONE, 2013, 8, e71664.	1.1	1
245	Adaptations of a native Subantarctic flightless fly to dehydration stress: more plastic than we thought? (Short Communication). Czech Polar Reports, 2014, 4, 123-128.	0.2	1
253	Chemically Insignificant Social Parasites Exhibit More Anti-Dehydration Behaviors than Their Hosts. Insects, 2021, 12, 1006.	1.0	0
255	Phenotypic plasticity and geographic variation in thermal tolerance and water loss of the tsetse <i>Glossina pallidipes</i> (Diptera: Glossinidae): implications for distribution modelling. American Journal of Tropical Medicine and Hygiene, 2006, 74, 786-94.	0.6	32
256	You smell different! Temperature interferes with intracolony recognition in <i>Odontomachus brunneus</i> . Sociobiology, 2022, 69, e6235.	0.2	0