

Physiological mechanisms of evolved desiccation resist

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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.	1.6	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.	2.3	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.	2.3	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.	2.6	252
5	Genetics of aging in <i>Drosophila</i> . <i>Experimental Gerontology</i> , 1999, 34, 577-585.	2.8	25
6	Stress resistance and longevity in selected lines of <i>Drosophila melanogaster</i> . <i>Neurobiology of Aging</i> , 1999, 20, 521-529.	3.1	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.	2.3	75
8	Postponed aging and desiccation resistance in <i>Drosophila melanogaster</i> . <i>Experimental Gerontology</i> , 2000, 35, 957-969.	2.8	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.	2.0	45
10	Dehydration in dormant insects. <i>Journal of Insect Physiology</i> , 2000, 46, 837-852.	2.0	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.	2.1	43
12	Water loss in desert ants: caste variation and the effect of cuticle abrasion. <i>Physiological Entomology</i> , 2000, 25, 48-53.	1.5	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.	8.7	233
14	Desiccation Tolerance of Three Mycophagous <i>Drosophila</i> Species. <i>American Midland Naturalist</i> , 2002, 147, 387-392.	0.4	6
15	Lipid melting and cuticular permeability: new insights into an old problem. <i>Journal of Insect Physiology</i> , 2002, 48, 391-400.	2.0	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.	1.8	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.	0.7	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.	0.7	127

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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.	2.0	186
20	Isolation of a <i>Drosophila melanogaster</i> desiccation resistant mutant. <i>Journal of Insect Physiology</i> , 2003, 49, 1013-1020.	2.0	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.	2.3	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.	2.3	58
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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.	2.0	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.	2.0	13
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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.	1.7	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.	2.3	76
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33	Adaptations to environmental stress in altitudinal populations of two <i>Drosophila</i> species. <i>Physiological Entomology</i> , 2005, 30, 353-361.	1.5	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.	2.0	18
35	Cuticular lipid mass and desiccation rates in <i>Glossina pallidipes</i> : interpopulation variation. <i>Physiological Entomology</i> , 2007, 32, 287-293.	1.5	21
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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.	10.4	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.	2.6	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.	1.5	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.	0.7	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.	1.1	77
43	Insect thermal tolerance: what is the role of ontogeny, ageing and senescence?. <i>Biological Reviews</i> , 2008, 83, 339-355.	10.4	427
44	Interactions between injury, stress resistance, reproduction, and aging in <i>Drosophila melanogaster</i> . <i>Experimental Gerontology</i> , 2008, 43, 136-145.	2.8	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.	2.0	15
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49	Experimental evolution with <i>Drosophila</i> . <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 296, R1847-R1854.	1.8	52
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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.	2.0	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.	2.0	35
53	Effect of soil humidity on the survival of <i>Solenopsis invicta</i> Buren workers. <i>Insectes Sociaux</i> , 2009, 56, 367-373.	1.2	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.	2.8	26

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58	Inversion 2La is associated with enhanced desiccation resistance in <i>Anopheles gambiae</i> . <i>Malaria Journal</i> , 2009, 8, 215.	2.3	77
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71	Desiccation resistance of adult Queensland fruit flies <i>Bactrocera tryoni</i> decreases with age. <i>Physiological Entomology</i> , 2010, 35, 385-390.	1.5	22
72	Testing the melanism-desiccation hypothesis: A case study in Darwinian evolution. , 2010, , 279-306.		4

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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.	3.5	15
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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.	3.0	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.	2.0	25
100	Humidity affects genetic architecture of heat resistance in <i>Drosophila melanogaster</i> . <i>Journal of Evolutionary Biology</i> , 2012, 25, 1180-1188.	1.7	36
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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.	1.5	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.	1.8	28
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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.	4.0	41
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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
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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.	2.5	15
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