

David L Denlinger

List of Publications by Year in descending order

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Version: 2024-02-01

201
papers

15,317
citations

15001

68
h-index

25230

113
g-index

210
all docs

210
docs citations

210
times ranked

6833
citing authors

#	ARTICLE	IF	CITATIONS
1	Confronting the Challenges of a Seasonal Environment. , 2022, , 1-18.		0
2	Variation in the Diapause Response. , 2022, , 32-45.		0
3	Which Seasons Are Being Avoided?.. , 2022, , 19-31.		0
4	The Cost of Diapause and Some Diapause Alternatives. , 2022, , 46-56.		0
5	Ending Diapause and Reinitiating Development. , 2022, , 216-239.		1
6	Genetic Control of Diapause. , 2022, , 293-304.		0
7	Evolution of Diapause. , 2022, , 305-322.		0
8	Molecular Signaling Pathways that Regulate Diapause. , 2022, , 240-292.		3
9	Preparing for Diapause. , 2022, , 121-150.		0
10	Wider Implications. , 2022, , 323-342.		1
11	Interpreting Seasonal Cues to Program Diapause Entry. , 2022, , 57-120.		2
12	The Diapause State. , 2022, , 151-215.		1
13	Expression of aquaporins in response to distinct dehydration stresses that confer stress tolerance in the Antarctic midge <i>Belgica antarctica</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2021, 256, 110928.	0.8	8
14	Cross-tolerance and transcriptional shifts underlying abiotic stress in the seabird tick, <i>Ixodes uriae</i> . <i>Polar Biology</i> , 2021, 44, 1379-1389.	0.5	3
15	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, .	0.8	5
16	Fine-scale variation in microhabitat conditions influences physiology and metabolism in an Antarctic insect. <i>Oecologia</i> , 2021, 197, 373-385.	0.9	7
17	ROS and hypoxia signaling regulate periodic metabolic arousal during insect dormancy to coordinate glucose, amino acid, and lipid metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	28
18	Onset of seasonal metabolic depression in the Antarctic midge <i>Belgica antarctica</i> appears to be independent of environmental cues. <i>Physiological Entomology</i> , 2020, 45, 16-21.	0.6	21

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19	Changes in Energy Reserves and Gene Expression Elicited by Freezing and Supercooling in the Antarctic Midge, <i>Belgica antarctica</i> . <i>Insects</i> , 2020, 11, 18.	1.0	10
20	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.	1.6	18
21	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.	0.5	2
22	Genome and Ontogenetic-Based Transcriptomic Analyses of the Flesh Fly, <i>Sarcophaga bullata</i> . <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 1313-1320.	0.8	11
23	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.	0.5	8
24	Thermoprotective adaptations are critical for arthropods feeding on warm-blooded hosts. <i>Current Opinion in Insect Science</i> , 2019, 34, 7-11.	2.2	29
25	Distinct microRNA and mRNA responses elicited by ecdysone, diapause hormone and a diapause hormone analog at diapause termination in pupae of the corn earworm, <i>Helicoverpa zea</i> . <i>General and Comparative Endocrinology</i> , 2019, 278, 68-78.	0.8	36
26	Evolutionary transition from blood feeding to obligate nonbiting in a mosquito. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1009-1014.	3.3	23
27	Two isoforms of Pepck in <i>Sarcophaga bullata</i> and their distinct expression profiles through development, diapause, and in response to stresses of cold and starvation. <i>Journal of Insect Physiology</i> , 2018, 111, 41-46.	0.9	27
28	Editorial overview: Insect genomics. <i>Current Opinion in Insect Science</i> , 2017, 19, iv-v.	2.2	0
29	Changes in microRNA abundance may regulate diapause in the flesh fly, <i>Sarcophaga bullata</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2017, 84, 1-14.	1.2	70
30	The diapause program impacts renal excretion and molecular expression of aquaporins in the northern house mosquito, <i>Culex pipiens</i> . <i>Journal of Insect Physiology</i> , 2017, 98, 141-148.	0.9	27
31	Keeping time without a spine: what can the insect clock teach us about seasonal adaptation?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160257.	1.8	81
32	Reactive oxygen species extend insect life span using components of the insulin-signaling pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E7832-E7840.	3.3	105
33	Comparative Transcriptomics Reveals Key Gene Expression Differences between Diapausing and Non-Diapausing Adults of <i>Culex pipiens</i> . <i>PLoS ONE</i> , 2016, 11, e0154892.	1.1	30
34	Enhanced stress responses and metabolic adjustments linked to diapause and onset of migration in the large milkweed bug <i>Oncopeltus fasciatus</i> . <i>Physiological Entomology</i> , 2016, 41, 152-161.	0.6	27
35	Quantitative Phosphoproteomics Reveals Signaling Mechanisms Associated with Rapid Cold Hardening in a Chill-Tolerant Fly. <i>Journal of Proteome Research</i> , 2016, 15, 2855-2862.	1.8	22
36	Entrainment of eclosion and preliminary ontogeny of circadian clock gene expression in the flesh fly, <i>Sarcophaga crassipalpis</i> . <i>Journal of Insect Physiology</i> , 2016, 93-94, 28-35.	0.9	26

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37	Mechanisms of animal diapause: recent developments from nematodes, crustaceans, insects, and fish. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 310, R1193-R1211.	0.9	205
38	Aquaporins in the Antarctic Midge, an Extremophile that Relies on Dehydration for Cold Survival. <i>Biological Bulletin</i> , 2015, 229, 47-57.	0.7	13
39	Suppression of net transpiration by multiple mechanisms conserves water resources during pupal diapause in the corn earworm <i>Helicoverpa zea</i> . <i>Physiological Entomology</i> , 2015, 40, 336-342.	0.6	21
40	Shifts in metabolomic profiles of the parasitoid <i>Nasonia vitripennis</i> associated with elevated cold tolerance induced by the parasitoid's diapause, host diapause and host diet augmented with proline. <i>Insect Biochemistry and Molecular Biology</i> , 2015, 63, 34-46.	1.2	48
41	Mom Matters: Diapause Characteristics of <i>Culex pipiens</i> - <i>Culex quinquefasciatus</i> (Diptera: Culicidae) Hybrid Mosquitoes. <i>Journal of Medical Entomology</i> , 2015, 52, 131-137.	0.9	27
42	Insect capa neuropeptides impact desiccation and cold tolerance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2882-2887.	3.3	111
43	Functional circadian clock genes are essential for the overwintering diapause of the Northern house mosquito, <i>Culex pipiens</i> . <i>Journal of Experimental Biology</i> , 2015, 218, 412-422.	0.8	124
44	Imidazole derivative KK-42 boosts pupal diapause incidence and delays diapause termination in several insect species. <i>Journal of Insect Physiology</i> , 2015, 74, 38-44.	0.9	31
45	Identification of FOXO targets that generate diverse features of the diapause phenotype in the mosquito <i>Culex pipiens</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3811-3816.	3.3	125
46	Continuous activity and no cycling of clock genes in the Antarctic midge during the polar summer. <i>Journal of Insect Physiology</i> , 2015, 81, 90-96.	0.9	36
47	Diapause hormone in the <i>Helicoverpa/Heliothis</i> complex: A review of gene expression, peptide structure and activity, analog and antagonist development, and the receptor. <i>Peptides</i> , 2015, 72, 196-201.	1.2	41
48	Development of neuropeptide analogs capable of traversing the integument: A case study using diapause hormone analogs in <i>Helicoverpa zea</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2015, 67, 87-93.	1.2	29
49	Surviving in a frozen desert: environmental stress physiology of terrestrial Antarctic arthropods. <i>Journal of Experimental Biology</i> , 2014, 217, 84-93.	0.8	59
50	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.	1.5	46
51	Alternative overwintering strategies in an Antarctic midge: freezing vs. cryoprotective dehydration. <i>Functional Ecology</i> , 2014, 28, 933-943.	1.7	20
52	Suppression of allatotropin simulates reproductive diapause in the mosquito <i>Culex pipiens</i> . <i>Journal of Insect Physiology</i> , 2014, 64, 48-53.	0.9	50
53	Host diapause status and host diets augmented with cryoprotectants enhance cold hardiness in the parasitoid <i>Nasonia vitripennis</i> . <i>Journal of Insect Physiology</i> , 2014, 70, 8-14.	0.9	41
54	Identification of a putative antifreeze protein gene that is highly expressed during preparation for winter in the sunn pest, <i>Eurygaster maura</i> . <i>Journal of Insect Physiology</i> , 2014, 68, 30-35.	0.9	32

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55	Compact genome of the Antarctic midge is likely an adaptation to an extreme environment. <i>Nature Communications</i> , 2014, 5, 4611.	5.8	128
56	Life history traits of adults and embryos of the Antarctic midge <i>Belgica antarctica</i> . <i>Polar Biology</i> , 2014, 37, 1213-1217.	0.5	16
57	Mosquito Diapause. <i>Annual Review of Entomology</i> , 2014, 59, 73-93.	5.7	251
58	Molecular identification and expression analysis of a diapause hormone receptor in the corn earworm, <i>Helicoverpa zea</i> . <i>Peptides</i> , 2014, 53, 250-257.	1.2	32
59	Transitions in the heartbeat pattern during pupal diapause and adult development in the flesh fly, <i>Sarcophaga crassipalpis</i> . <i>Journal of Insect Physiology</i> , 2013, 59, 767-780.	0.9	22
60	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
61	Transcriptional evidence for small RNA regulation of pupal diapause in the flesh fly, <i>Sarcophaga bullata</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2013, 43, 982-989.	1.2	42
62	Evolutionary Links Between Circadian Clocks and Photoperiodic Diapause in Insects. <i>Integrative and Comparative Biology</i> , 2013, 53, 131-143.	0.9	122
63	Juvenile hormone <sc>III</sc> suppresses forkhead of transcription factor in the fat body and reduces fat accumulation in the diapausing mosquito, <i><sc>C</sc>ulex pipiens</i>. <i>Insect Molecular Biology</i> , 2013, 22, 1-11.	1.0	71
64	Early changes in the pupal transcriptome of the flesh fly <i>Sarcophaga crassipalpis</i> to parasitization by the ectoparasitic wasp, <i>Nasonia vitripennis</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2013, 43, 1189-1200.	1.2	51
65	Insulin signaling and the regulation of insect diapause. <i>Frontiers in Physiology</i> , 2013, 4, 189.	1.3	212
66	Deep sequencing reveals complex mechanisms of diapause preparation in the invasive mosquito, <i>Aedes albopictus</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20130143.	1.2	134
67	The protective effect of rapid cold-hardening develops more quickly in frozen versus supercooled larvae of the Antarctic midge, <i>Belgica antarctica</i>. <i>Journal of Experimental Biology</i> , 2013, 216, 3937-45.	0.8	19
68	Polycomb Repressive Complex 2 (PRC2) Protein ESC Regulates Insect Developmental Timing by Mediating H3K27me3 and Activating Prothoracicotropic Hormone Gene Expression. <i>Journal of Biological Chemistry</i> , 2013, 288, 23554-23564.	1.6	59
69	Physiological mechanisms of seasonal and rapid cold-hardening in insects. <i>Physiological Entomology</i> , 2013, 38, 105-116.	0.6	288
70	RNA-Seq reveals early distinctions and late convergence of gene expression between diapause and quiescence in the Asian tiger mosquito, <i>Aedes albopictus</i>. <i>Journal of Experimental Biology</i> , 2013, 216, 4082-90.	0.8	68
71	Combined transcriptomic and metabolomic approach uncovers molecular mechanisms of cold tolerance in a temperate flesh fly. <i>Physiological Genomics</i> , 2012, 44, 764-777.	1.0	128
72	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

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73	Cross-talk between the fat body and brain regulates insect developmental arrest. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14687-14692.	3.3	119
74	Dynamics of diapause hormone and prothoracicotrophic hormone transcript expression at diapause termination in pupae of the corn earworm, <i>Helicoverpa zea</i> . Peptides, 2012, 34, 120-126.	1.2	42
75	Energetic consequences of repeated and prolonged dehydration in the Antarctic midge, <i>Belgica antarctica</i> . Journal of Insect Physiology, 2012, 58, 498-505.	0.9	25
76	Transcript profiling reveals mechanisms for lipid conservation during diapause in the mosquito, <i>Aedes albopictus</i> . Journal of Insect Physiology, 2012, 58, 966-973.	0.9	108
77	Energetics of Insect Diapause. Annual Review of Entomology, 2011, 56, 103-121.	5.7	610
78	Disruption of insect diapause using agonists and an antagonist of diapause hormone. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16922-16926.	3.3	84
79	Heat shock response to hypoxia and its attenuation during recovery in the flesh fly, <i>Sarcophaga crassipalpis</i> . Journal of Insect Physiology, 2011, 57, 203-210.	0.9	57
80	Catalase and superoxide dismutase-2 enhance survival and protect ovaries during overwintering diapause in the mosquito <i>Culex pipiens</i> . Journal of Insect Physiology, 2011, 57, 628-634.	0.9	109
81	Elevated couch potato transcripts associated with adult diapause in the mosquito <i>Culex pipiens</i> . Journal of Insect Physiology, 2011, 57, 620-627.	0.9	34
82	Function and immuno-localization of aquaporins in the Antarctic midge <i>Belgica antarctica</i> . Journal of Insect Physiology, 2011, 57, 1096-1105.	0.9	36
83	A de novo transcriptome of the Asian tiger mosquito, <i>Aedes albopictus</i> , to identify candidate transcripts for diapause preparation. BMC Genomics, 2011, 12, 619.	1.2	118
84	Drinking a hot blood meal elicits a protective heat shock response in mosquitoes. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8026-8029.	3.3	137
85	Genomics, proteomics and metabolomics: Finding the other players in insect cold-tolerance. , 2010, , 91-115.		29
86	Cell structural modifications in insects at low temperatures. , 2010, , 116-140.		83
87	Oxygen: Stress and adaptation in cold-hardy insects. , 2010, , 141-165.		43
88	A potential role for ribosomal protein S2 in the gene network regulating reproductive diapause in the mosquito <i>Culex pipiens</i> . Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2010, 180, 171-178.	0.7	32
89	Molecular characterization of heat shock protein 90, 70 and 70 cognate cDNAs and their expression patterns during thermal stress and pupal diapause in the corn earworm. Journal of Insect Physiology, 2010, 56, 138-150.	0.9	115
90	Isolation of diapause-regulated genes from the flesh fly, <i>Sarcophaga crassipalpis</i> by suppressive subtractive hybridization. Journal of Insect Physiology, 2010, 56, 603-609.	0.9	64

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91	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
92	Transitions. <i>Journal of Insect Physiology</i> , 2010, 56, 1011.	0.9	0
93	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.	1.2	125
94	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.	0.8	60
95	Mechanisms of suspended animation are revealed by transcript profiling of diapause in the flesh fly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 14909-14914.	3.3	192
96	Diapause. , 2009, , 267-271.		11
97	Mendelian Inheritance of Pupal Diapause in the Flesh Fly, <i>Sarcophaga bullata</i> . <i>Journal of Heredity</i> , 2009, 100, 251-255.	1.0	47
98	Pupal Cuticle Protein Is Abundant During Early Adult Diapause in the Mosquito <i>Culex pipiens</i> . <i>Journal of Medical Entomology</i> , 2009, 46, 1382-1386.	0.9	49
99	Transcription profiling and regulation of fat metabolism genes in diapausing adults of the mosquito <i>Culex pipiens</i> . <i>Physiological Genomics</i> , 2009, 39, 202-209.	1.0	105
100	Clock genes period and timeless are rhythmically expressed in brains of newly hatched, photosensitive larvae of the fly, <i>Sarcophaga crassipalpis</i> . <i>Journal of Insect Physiology</i> , 2009, 55, 408-414.	0.9	42
101	Length variation in a specific region of the period gene correlates with differences in pupal diapause incidence in the flesh fly, <i>Sarcophaga bullata</i> . <i>Journal of Insect Physiology</i> , 2009, 55, 415-418.	0.9	36
102	Gene discovery using massively parallel pyrosequencing to develop ESTs for the flesh fly <i>Sarcophaga crassipalpis</i> . <i>BMC Genomics</i> , 2009, 10, 234.	1.2	112
103	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.	0.7	101
104	Distinct contractile and cytoskeletal protein patterns in the Antarctic midge are elicited by desiccation and rehydration. <i>Proteomics</i> , 2009, 9, 2788-2798.	1.3	29
105	Rapid elevation of Inos and decreases in abundance of other proteins at pupal diapause termination in the flesh fly <i>Sarcophaga crassipalpis</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2009, 1794, 663-668.	1.1	26
106	Conformational aspects and hyperpotent agonists of diapause hormone for termination of pupal diapause in the corn earworm. <i>Peptides</i> , 2009, 30, 596-602.	1.2	34
107	Neuropeptide-like precursor 4 is uniquely expressed during pupal diapause in the flesh fly. <i>Peptides</i> , 2009, 30, 518-521.	1.2	27
108	Extremely large aggregations of collembolan eggs on Humble Island, Antarctica: a response to early seasonal warming?. <i>Polar Biology</i> , 2008, 31, 889-892.	0.5	21

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109	Why study diapause?. Entomological Research, 2008, 38, 1-9.	0.6	147
110	Metabolomics reveals unique and shared metabolic changes in response to heat shock, freezing and desiccation in the Antarctic midge, <i>Belgica antarctica</i> . Journal of Insect Physiology, 2008, 54, 645-655.	0.9	152
111	Diapause hormone in the corn earworm, <i>Helicoverpa zea</i> : Optimum temperature for activity, structure-activity relationships, and efficacy in accelerating flesh fly pupariation. Peptides, 2008, 29, 196-205.	1.2	49
112	Cryoprotective dehydration and the resistance to inoculative freezing in the Antarctic midge, <i>Belgica antarctica</i> . Journal of Experimental Biology, 2008, 211, 524-530.	0.8	107
113	Insulin signaling and FOXO regulate the overwintering diapause of the mosquito <i>Culex pipiens</i> . Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6777-6781.	3.3	346
114	Regulation of heat shock proteins in the apple maggot <i>Rhagoletis pomonella</i> during hot summer days and overwintering diapause. Physiological Entomology, 2008, 33, 346-352.	0.6	35
115	Slow dehydration promotes desiccation and freeze tolerance in the Antarctic midge <i>Belgica antarctica</i> . Journal of Experimental Biology, 2007, 210, 836-844.	0.8	92
116	Suppression of water loss during adult diapause in the northern house mosquito, <i>Culex pipiens</i> . Journal of Experimental Biology, 2007, 210, 217-226.	0.8	122
117	p38 MAPK is a likely component of the signal transduction pathway triggering rapid cold hardening in the flesh fly <i>Sarcophaga crassipalpis</i> . Journal of Experimental Biology, 2007, 210, 3295-3300.	0.8	62
118	Up-regulation of heat shock proteins is essential for cold survival during insect diapause. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 11130-11137.	3.3	464
119	Diapause-specific gene expression in the northern house mosquito, <i>Culex pipiens</i> L., identified by suppressive subtractive hybridization. Journal of Insect Physiology, 2007, 53, 235-245.	0.9	136
120	Meeting the energetic demands of insect diapause: Nutrient storage and utilization. Journal of Insect Physiology, 2007, 53, 760-773.	0.9	518
121	Mechanisms to reduce dehydration stress in larvae of the Antarctic midge, <i>Belgica antarctica</i> . Journal of Insect Physiology, 2007, 53, 656-667.	0.9	101
122	High temperature and hexane break pupal diapause in the flesh fly, <i>Sarcophaga crassipalpis</i> , by activating ERK/MAPK. Journal of Insect Physiology, 2007, 53, 1276-1282.	0.9	62
123	Shifts in the carbohydrate, polyol, and amino acid pools during rapid cold-hardening and diapause-associated cold-hardening in flesh flies (<i>Sarcophaga crassipalpis</i>): a metabolomic comparison. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2007, 177, 753-763.	0.7	225
124	Moist habitats are essential for adults of the Antarctic midge, <i>Belgica antarctica</i> (Diptera: Tj ETQq0 0 0 rgBT /Overlpc 10 Tf 50 142 Td	1.2	17
125	Enhanced Cold and Desiccation Tolerance in Diapausing Adults of <i>Culex pipiens</i> , and a Role for <i>Hsp70</i> in Response to Cold Shock but Not as a Component of the Diapause Program. Journal of Medical Entomology, 2006, 43, 713-722.	0.9	58
126	A novel member of the NSF family in the corn earworm, <i>Helicoverpa zea</i> : molecular cloning, developmental expression, and tissue distribution. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2006, 1759, 186-190.	2.4	2

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127	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.	0.9	140
128	Oleic acid is elevated in cell membranes during rapid cold-hardening and pupal diapause in the flesh fly, <i>Sarcophaga crassipalpis</i> . <i>Journal of Insect Physiology</i> , 2006, 52, 1073-1082.	0.9	141
129	A nondiapausing variant of the flesh fly, <i>Sarcophaga bullata</i> , that shows arrhythmic adult eclosion and elevated expression of two circadian clock genes, <i>period</i> and <i>timeless</i> . <i>Journal of Insect Physiology</i> , 2006, 52, 1213-1218.	0.9	67
130	Upregulation of two actin genes and redistribution of actin during diapause and cold stress in the northern house mosquito, <i>Culex pipiens</i> . <i>Journal of Insect Physiology</i> , 2006, 52, 1226-1233.	0.9	122
131	Enhanced Cold and Desiccation Tolerance in Diapausing Adults of <i>Culex pipiens</i> , and a Role for Hsp70 in Response to Cold Shock but Not as a Component of the Diapause Program. <i>Journal of Medical Entomology</i> , 2006, 43, 713-722.	0.9	97
132	Continuous up-regulation of heat shock proteins in larvae, but not adults, of a polar insect. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 14223-14227.	3.3	169
133	Rapid cold-hardening increases the freezing tolerance of the Antarctic midge <i>Belgica antarctica</i> . <i>Journal of Experimental Biology</i> , 2006, 209, 399-406.	0.8	114
134	Molecular characterization and expression of prothoracicotropic hormone during development and pupal diapause in the cotton bollworm, <i>Helicoverpa armigera</i> . <i>Journal of Insect Physiology</i> , 2005, 51, 691-700.	0.9	75
135	Diapause in the mosquito <i>Culex pipiens</i> evokes a metabolic switch from blood feeding to sugar gluttony. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 15912-15917.	3.3	169
136	Desiccation and rehydration elicit distinct heat shock protein transcript responses in flesh fly pupae. <i>Journal of Experimental Biology</i> , 2004, 207, 963-971.	0.8	104
137	Molecular cloning, developmental expression, and tissue distribution of the gene encoding DH, PBAN and other FXPRL neuropeptides in <i>Samia cynthia ricini</i> . <i>Journal of Insect Physiology</i> , 2004, 50, 1151-1161.	0.9	27
138	Disruption of pupariation and eclosion behavior in the flesh fly, <i>Sarcophaga bullata</i> Parker (Diptera): Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.6	13
139	Identification of a cDNA encoding DH, PBAN and other FXPRL neuropeptides from the tobacco hornworm, <i>Manduca sexta</i> , and expression associated with pupal diapause. <i>Peptides</i> , 2004, 25, 1099-1106.	1.2	71
140	Structural characterization and expression analysis of prothoracicotropic hormone in the corn earworm, <i>Helicoverpa zea</i> . <i>Peptides</i> , 2003, 24, 1319-1325.	1.2	20
141	Sarcotoxin II from the flesh fly <i>Sarcophaga crassipalpis</i> (Diptera): A comparison of transcript expression in diapausing and nondiapausing pupae. <i>European Journal of Entomology</i> , 2003, 100, 251-254.	1.2	21
142	Upregulation of transcripts encoding select heat shock proteins in the flesh fly <i>Sarcophaga crassipalpis</i> in response to venom from the ectoparasitoid wasp <i>Nasonia vitripennis</i> . <i>Journal of Invertebrate Pathology</i> , 2002, 79, 62-63.	1.5	30
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151	Sequence and transcription patterns of 60S ribosomal protein P0, a diapause-regulated AP endonuclease in the flesh fly, <i>Sarcophaga crassipalpis</i> . <i>Gene</i> , 2000, 255, 381-388.	1.0	32
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