

David L Denlinger

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

200
papers

12,036
citations

63
h-index

102
g-index

210
ext. papers

14,259
ext. citations

4.1
avg, IF

6.81
L-index

#	Paper	IF	Citations
200	Regulation of diapause. <i>Annual Review of Entomology</i> , 2002 , 47, 93-122	21.8	842
199	Energetics of insect diapause. <i>Annual Review of Entomology</i> , 2011 , 56, 103-21	21.8	438
198	Up-regulation of heat shock proteins is essential for cold survival during insect diapause. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 11130-7	11.5	378
197	Meeting the energetic demands of insect diapause: nutrient storage and utilization. <i>Journal of Insect Physiology</i> , 2007 , 53, 760-73	2.4	374
196	Insulin signaling and FOXO regulate the overwintering diapause of the mosquito <i>Culex pipiens</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 6777-81	11.5	265
195	INDUCTION AND TERMINATION OF PUPAL DIAPAUSE IN SARCOPHAGA (DIPTERA: SARCOPHAGIDAE). <i>Biological Bulletin</i> , 1972 , 142, 11-24	1.5	228
194	Physiological mechanisms of seasonal and rapid cold-hardening in insects. <i>Physiological Entomology</i> , 2013 , 38, 105-116	1.9	215
193	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. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2007 , 177, 753-63	2.2	184
192	Mosquito diapause. <i>Annual Review of Entomology</i> , 2014 , 59, 73-93	21.8	179
191	Cold-Shock Injury and Rapid Cold Hardening in the Flesh Fly <i>Sarcophaga crassipalpis</i> . <i>Physiological Zoology</i> , 1987 , 60, 297-304		171
190	Relationship between Cold Hardiness and Diapause 1991 , 174-198		161
189	Developmental upregulation of inducible hsp70 transcripts, but not the cognate form, during pupal diapause in the flesh fly, <i>Sarcophaga crassipalpis</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2000 , 30, 515-21	4.5	160
188	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, 14909-14	11.5	154
187	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, 14223-7	11.5	143
186	Insulin signaling and the regulation of insect diapause. <i>Frontiers in Physiology</i> , 2013 , 4, 189	4.6	138
185	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, 15912-7	11.5	137
184	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, R1193-211	3.3	131

183	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, 645-55	2.4	130
182	Cold tolerance in diapausing and non-diapausing stages of the flesh fly, <i>Sarcophaga crassipalpis</i> . <i>Physiological Entomology</i> , 1985 , 10, 309-315	1.9	126
181	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, 202-14	2.4	121
180	Dynamics of the pregnancy cycle in the tsetse <i>Glossina morsitans</i> . <i>Journal of Insect Physiology</i> , 1974 , 20, 1015-26	2.4	116
179	Heat-shock protein 90 is down-regulated during pupal diapause in the flesh fly, <i>Sarcophaga crassipalpis</i> , but remains responsive to thermal stress. <i>Insect Molecular Biology</i> , 2000 , 9, 641-5	3.4	115
178	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, 1073-82	2.4	114
177	Diapause-specific gene expression in the northern house mosquito, <i>Culex pipiens</i> L., identified by suppressive subtractive hybridization. <i>Journal of Insect Physiology</i> , 2007 , 53, 235-45	2.4	110
176	Short-day and long-day expression patterns of genes involved in the flesh fly clock mechanism: period, timeless, cycle and cryptochrome. <i>Journal of Insect Physiology</i> , 2002 , 48, 803-816	2.4	110
175	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, 2683-92	4.4	106
174	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. <i>Journal of Insect Physiology</i> , 2010 , 56, 138-50	2.4	105
173	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	4.4	102
172	Gene discovery using massively parallel pyrosequencing to develop ESTs for the flesh fly <i>Sarcophaga crassipalpis</i> . <i>BMC Genomics</i> , 2009 , 10, 234	4.5	102
171	Evolutionary links between circadian clocks and photoperiodic diapause in insects. <i>Integrative and Comparative Biology</i> , 2013 , 53, 131-43	2.8	100
170	Combined transcriptomic and metabolomic approach uncovers molecular mechanisms of cold tolerance in a temperate flesh fly. <i>Physiological Genomics</i> , 2012 , 44, 764-77	3.6	98
169	Why study diapause?. <i>Entomological Research</i> , 2008 , 38, 1-9	1.3	97
168	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	3	97
167	Suppression of water loss during adult diapause in the northern house mosquito, <i>Culex pipiens</i> . <i>Journal of Experimental Biology</i> , 2007 , 210, 217-26	3	97
166	Desiccation and rehydration elicit distinct heat shock protein transcript responses in flesh fly pupae. <i>Journal of Experimental Biology</i> , 2004 , 207, 963-71	3	97

165	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, 412-22	3	95
164	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, 481-91	2.2	94
163	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, 8026-9	11.5	93
162	Cryoprotective dehydration and the resistance to inoculative freezing in the Antarctic midge, <i>Belgica antarctica</i> . <i>Journal of Experimental Biology</i> , 2008 , 211, 524-30	3	93
161	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, 1226-33	2.4	93
160	Mechanisms to reduce dehydration stress in larvae of the Antarctic midge, <i>Belgica antarctica</i> . <i>Journal of Insect Physiology</i> , 2007 , 53, 656-67	2.4	91
159	Thermotolerance and rapid cold hardening ameliorate the negative effects of brief exposures to high or low temperatures on fecundity in the flesh fly, <i>Sarcophaga crassipalpis</i> . <i>Physiological Entomology</i> , 2000 , 25, 330-336	1.9	91
158	Compact genome of the Antarctic midge is likely an adaptation to an extreme environment. <i>Nature Communications</i> , 2014 , 5, 4611	17.4	89
157	A de novo transcriptome of the Asian tiger mosquito, <i>Aedes albopictus</i> , to identify candidate transcripts for diapause preparation. <i>BMC Genomics</i> , 2011 , 12, 619	4.5	88
156	Catalase and superoxide dismutase-2 enhance survival and protect ovaries during overwintering diapause in the mosquito <i>Culex pipiens</i> . <i>Journal of Insect Physiology</i> , 2011 , 57, 628-34	2.4	85
155	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, 20744-9	11.5	85
154	Metabolic reserves associated with pupal diapause in the flesh fly, <i>Sarcophaga crassipalpis</i> . <i>Journal of Insect Physiology</i> , 1985 , 31, 229-233	2.4	85
153	Alteration of the eclosion rhythm and eclosion behavior in the flesh fly, <i>Sarcophaga crassipalpis</i> , by low and high temperature stress. <i>Journal of Insect Physiology</i> , 1994 , 40, 13-21	2.4	84
152	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, 2882-7	11.5	83
151	Cross-talk between the fat body and brain regulates insect developmental arrest. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 14687-92	11.5	83
150	A maternal effect that eliminates pupal diapause in progeny of the flesh fly, <i>Sarcophaga bullata</i> . <i>Journal of Insect Physiology</i> , 1982 , 28, 881-884	2.4	83
149	G0/G1 cell cycle arrest in the brain of <i>Sarcophaga crassipalpis</i> during pupal diapause and the expression pattern of the cell cycle regulator, proliferating cell nuclear antigen. <i>Insect Biochemistry and Molecular Biology</i> , 1998 , 28, 83-9	4.5	79
148	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	2.2	79

147	Redirection of metabolism in the flesh fly, <i>Sarcophaga bullata</i> , following envenomation by the ectoparasitoid <i>Nasonia vitripennis</i> and correlation of metabolic effects with the diapause status of the host. <i>Journal of Insect Physiology</i> , 1994 , 40, 207-215	2.4	79
146	Transcript profiling reveals mechanisms for lipid conservation during diapause in the mosquito, <i>Aedes albopictus</i> . <i>Journal of Insect Physiology</i> , 2012 , 58, 966-73	2.4	78
145	Cold shock elicits expression of heat shock proteins in the flesh fly, <i>Sarcophaga crassipalpis</i> . <i>Journal of Insect Physiology</i> , 1990 , 36, 825-834	2.4	78
144	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, 3811-6	11.5	77
143	Slow dehydration promotes desiccation and freeze tolerance in the Antarctic midge <i>Belgica antarctica</i> . <i>Journal of Experimental Biology</i> , 2007 , 210, 836-44	3	77
142	Transcription profiling and regulation of fat metabolism genes in diapausing adults of the mosquito <i>Culex pipiens</i> . <i>Physiological Genomics</i> , 2009 , 39, 202-9	3.6	76
141	Meeting the challenges of on-host and off-host water balance in blood-feeding arthropods. <i>Journal of Insect Physiology</i> , 2010 , 56, 1366-76	2.4	73
140	Secretory discharge and microflora of milk gland in tsetse flies. <i>Nature</i> , 1974 , 247, 301-303	50.4	70
139	Disruption of insect diapause using agonists and an antagonist of diapause hormone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 16922-6	11.5	67
138	Cold hardiness of the fly pupal parasitoid <i>Nasonia vitripennis</i> is enhanced by its host <i>Sarcophaga crassipalpis</i> . <i>Journal of Insect Physiology</i> , 2000 , 46, 99-106	2.4	65
137	Expression of heat shock proteins in response to high and low temperature extremes in diapausing pharate larvae of the gypsy moth, <i>Lymantria dispar</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 1991 , 18, 239-249	2.3	61
136	Fecundity and development of the ectoparasitic wasp <i>Nasonia vitripennis</i> are dependent on host quality. <i>Entomologia Experimentalis Et Applicata</i> , 1995 , 76, 15-24	2.1	59
135	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	11.5	58
134	A nondiapausing variant of the flesh fly, <i>Sarcophaga bullata</i> , that shows arrhythmic adult eclosion and elevated expression of two circadian clock genes, period and timeless. <i>Journal of Insect Physiology</i> , 2006 , 52, 1213-8	2.4	58
133	Isolation of diapause-regulated genes from the flesh fly, <i>Sarcophaga crassipalpis</i> by suppressive subtractive hybridization. <i>Journal of Insect Physiology</i> , 2010 , 56, 603-9	2.4	56
132	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, 1099-106	3.8	56
131	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	2.4	56
130	Juvenile hormone III suppresses forkhead of transcription factor in the fat body and reduces fat accumulation in the diapausing mosquito, <i>Culex pipiens</i> . <i>Insect Molecular Biology</i> , 2013 , 22, 1-11	3.4	55

129	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	3	55
128	Cell structural modifications in insects at low temperatures		116-140 55
127	Developmental fate of the flesh fly, <i>Sarcophaga bullata</i> , envenomated by the pupal ectoparasitoid, <i>Nasonia vitripennis</i> . <i>Journal of Insect Physiology</i> , 1994 , 40, 121-127	2.4	55
126	A Role for Ecdysteroids in the Induction and Maintenance of the Pharate First Instar Diapause of the Gypsy Moth, <i>Lymantria dispar</i> . <i>Journal of Insect Physiology</i> , 1997 , 43, 289-296	2.4	53
125	Juvenile hormone and moulting hormone titres in diapause- and non-diapause destined flesh flies. <i>Journal of Insect Physiology</i> , 1980 , 26, 661-664	2.4	52
124	Role of chilling in the acquisition of cold tolerance and the capacitation to express stress proteins in diapausing pharate larvae of the gypsy moth, <i>Lymantria dispar</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 1992 , 21, 271-280	2.3	50
123	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,	5.8	49
122	Cold shock and heat shock: a comparison of the protection generated by brief pretreatment at less severe temperatures. <i>Physiological Entomology</i> , 1991 , 16, 19-26	1.9	49
121	Stress proteins		2001 , 155-171 48
120	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, 2763-9	3	47
119	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, 713-22	2.2	47
118	Expression of ecdysone receptor is unaffected by pupal diapause in the flesh fly, <i>Sarcophaga crassipalpis</i> , while its dimerization partner, USP, is downregulated. <i>Journal of Insect Physiology</i> , 2001 , 47, 915-921	2.4	47
117	BASIS FOR A SKEWED SEX RATIO IN DIAPAUSE-DESTINED FLESH FLIES. <i>Evolution; International Journal of Organic Evolution</i> , 1981 , 35, 1247-1248	3.8	47
116	Infradian cycles of oxygen consumption in diapausing pupae of the flesh fly, <i>Sarcophaga crassipalpis</i> , monitored by a scanning microrespirographic method. <i>Archives of Insect Biochemistry and Physiology</i> , 1992 , 20, 135-43	2.3	46
115	p38 MAPK is a likely component of the signal transduction pathway triggering rapid cold hardening in the flesh fly <i>Sarcophaga crassipalpis</i> . <i>Journal of Experimental Biology</i> , 2007 , 210, 3295-300	3	45
114	Developmental and metabolic changes induced by anoxia in diapausing and non-diapausing flesh fly pupae. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1991 , 160, 683-689	2.2	45
113	Cold-hardiness: a component of the diapause syndrome in pupae of the flesh flies, <i>Sarcophaga crassipalpis</i> and <i>S. bullata</i> . <i>Physiological Entomology</i> , 1984 , 9, 361-364	1.9	45
112	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	4.5	44

111	Heat shock response to hypoxia and its attenuation during recovery in the flesh fly, <i>Sarcophaga crassipalpis</i> . <i>Journal of Insect Physiology</i> , 2011 , 57, 203-10	2.4	44
110	Diapause specific proteins expressed by the brain during the pupal diapause of the flesh fly, <i>Sarcophaga crassipalpis</i> . <i>Journal of Insect Physiology</i> , 1990 , 36, 775-783	2.4	44
109	Surviving in a frozen desert: environmental stress physiology of terrestrial Antarctic arthropods. <i>Journal of Experimental Biology</i> , 2014 , 217, 84-93	3	43
108	Hormonal Control of Diapause 1985 , 353-412		43
107	A diapause maternal effect in the flesh fly, <i>Sarcophaga bullata</i> : Transfer of information from mother to progeny. <i>Journal of Insect Physiology</i> , 1989 , 35, 553-558	2.4	42
106	Developmental and tissue specific control of the heat shock induced 70 kDa related proteins in the flesh fly, <i>Sarcophaga crassipalpis</i> . <i>Journal of Insect Physiology</i> , 1990 , 36, 239-249	2.4	42
105	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, 1189-200	4.5	41
104	Mendelian inheritance of pupal diapause in the flesh fly, <i>Sarcophaga bullata</i> . <i>Journal of Heredity</i> , 2009 , 100, 251-5	2.4	41
103	High temperature and hexane break pupal diapause in the flesh fly, <i>Sarcophaga crassipalpis</i> , by activating ERK/MAPK. <i>Journal of Insect Physiology</i> , 2007 , 53, 1276-82	2.4	41
102	Polycomb repressive complex 2 (PRC2) protein ESC regulates insect developmental timing by mediating H3K27me3 and activating prothoracicotrophic hormone gene expression. <i>Journal of Biological Chemistry</i> , 2013 , 288, 23554-64	5.4	40
101	Diapause hormone in the corn earworm, <i>Helicoverpa zea</i> : optimum temperature for activity, structure-activity relationships, and efficacy in accelerating flesh fly pupariation. <i>Peptides</i> , 2008 , 29, 196-205	3.8	40
100	Duration of Pupal Diapause in the Tobacco Hornworm is Determined by Number of Short Days Received by the Larva. <i>Journal of Experimental Biology</i> , 1981 , 91, 331-337	3	40
99	Suppression of allatotropin simulates reproductive diapause in the mosquito <i>Culex pipiens</i> . <i>Journal of Insect Physiology</i> , 2014 , 64, 48-53	2.4	39
98	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	2.2	38
97	Expression of actin in the central nervous system is switched off during diapause in the gypsy moth, <i>Lymantria dispar</i> . <i>Journal of Insect Physiology</i> , 1998 , 44, 221-226	2.4	38
96	Pupal cuticle protein is abundant during early adult diapause in the mosquito <i>Culex pipiens</i> . <i>Journal of Medical Entomology</i> , 2009 , 46, 1382-6	2.2	37
95	Diapause-regulated proteins in the gut of pharate first instar larvae of the gypsy moth, <i>Lymantria dispar</i> , and the effect of KK-42 and neck ligation on expression. <i>Journal of Insect Physiology</i> , 1996 , 42, 423-431	2.4	36
94	The developmental response of flesh flies (Diptera: Sarcophagidae) to tropical seasons : Variation in generation time and diapause in east africa. <i>Oecologia</i> , 1978 , 35, 105-107	2.9	36

93	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, 982-9	4.5	34
92	A novel highly divergent protein family identified from a viviparous insect by RNA-seq analysis: a potential target for tsetse fly-specific abortifacients. <i>PLoS Genetics</i> , 2014 , 10, e1003874	6	34
91	Dynamics of diapause hormone and prothoracicotropic hormone transcript expression at diapause termination in pupae of the corn earworm, <i>Helicoverpa zea</i> . <i>Peptides</i> , 2012 , 34, 120-6	3.8	34
90	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, 408-14	2.4	33
89	Water relationships in the ectoparasitoid <i>Nasonia vitripennis</i> during larval diapause. <i>Physiological Entomology</i> , 1994 , 19, 373-378	1.9	33
88	Preventing insect diapause with hormones and cholera toxin. <i>Life Sciences</i> , 1976 , 19, 1485-9	6.8	33
87	Oxygen: Stress and adaptation in cold-hardy insects 141-165		32
86	Function and immuno-localization of aquaporins in the Antarctic midge <i>Belgica antarctica</i> . <i>Journal of Insect Physiology</i> , 2011 , 57, 1096-105	2.4	31
85	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	4.5	30
84	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, 381-8	3.8	30
83	Prolonged thermotolerance in the flesh fly, <i>Sarcophaga crassipalpis</i> , does not require continuous expression or persistence of the 72 kDa heat-shock protein. <i>Journal of Insect Physiology</i> , 1992 , 38, 603-609	2.4	30
82	Cycles of protein synthesis during pupal diapause in the flesh fly, <i>Sarcophaga crassipalpis</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 1989 , 12, 111-122	2.3	30
81	Continuous activity and no cycling of clock genes in the Antarctic midge during the polar summer. <i>Journal of Insect Physiology</i> , 2015 , 81, 90-6	2.4	29
80	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, 415-8	2.4	29
79	Distinct contractile and cytoskeletal protein patterns in the Antarctic midge are elicited by desiccation and rehydration. <i>Proteomics</i> , 2009 , 9, 2788-98	4.8	29
78	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, 62-3	2.6	28
77	Elevated couch potato transcripts associated with adult diapause in the mosquito <i>Culex pipiens</i> . <i>Journal of Insect Physiology</i> , 2011 , 57, 620-7	2.4	27
76	Molecular identification and expression analysis of a diapause hormone receptor in the corn earworm, <i>Helicoverpa zea</i> . <i>Peptides</i> , 2014 , 53, 250-7	3.8	26

75	Conformational aspects and hyperpotent agonists of diapause hormone for termination of pupal diapause in the corn earworm. <i>Peptides</i> , 2009 , 30, 596-602	3.8	26
74	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	2.4	26
73	Changes in temperature, not photoperiod, control the pattern of adult eclosion in the tsetse, <i>Glossina morsitans</i> . <i>Physiological Entomology</i> , 1995 , 20, 362-366	1.9	26
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