

Subba Reddy Palli

List of Publications by Year in Descending Order

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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.

235
papers

9,128
citations

55
h-index

83
g-index

250
ext. papers

11,025
ext. citations

5
avg, IF

6.82
L-index

#	Paper	IF	Citations
235	Juvenile hormone-induced histone deacetylase 3 suppresses apoptosis to maintain larval midgut in the yellow fever mosquito.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2118871119	11.5	0
234	Mapping distributions of the Lyme disease vector, Ixodes scapularis, and spirochete, Borrelia burgdorferi, in Kentucky using passive and active surveillance.. <i>Ticks and Tick-borne Diseases</i> , 2021 , 13, 101885	3.6	1
233	systemic RNA interference defective protein 1 enhances RNAi efficiency in a lepidopteran insect, the fall armyworm, in a tissue-specific manner. <i>RNA Biology</i> , 2021 , 18, 1291-1299	4.8	4
232	Changes in both trans- and cis-regulatory elements mediate insecticide resistance in a lepidopteron pest, Spodoptera exigua. <i>PLoS Genetics</i> , 2021 , 17, e1009403	6	18
231	Transcript level is a key factor affecting RNAi efficiency. <i>Pesticide Biochemistry and Physiology</i> , 2021 , 176, 104872	4.9	1
230	Development of Catechin, Poly-l-lysine, and Double-Stranded RNA Nanoparticles.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 4310-4318	4.1	3
229	Identification of juvenile hormone-induced posttranslational modifications of methoprene tolerant and Krüppel homolog 1 in the yellow fever mosquito, Aedes aegypti. <i>Journal of Proteomics</i> , 2021 , 242, 104257	3.9	5
228	Juvenile hormone membrane signaling phosphorylates USP and thus potentiates 20-hydroxyecdysone action in Drosophila. <i>Science Bulletin</i> , 2021 , 67, 186-186	10.6	4
227	Epigenetic regulation of post-embryonic development. <i>Current Opinion in Insect Science</i> , 2021 , 43, 63-69	5.1	8
226	Off-target effects of RNAi correlate with the mismatch rate between dsRNA and non-target mRNA. <i>RNA Biology</i> , 2021 , 18, 1747-1759	4.8	19
225	Intragenic DNA methylation regulates insect gene expression and reproduction through the MBD/Tip60 complex. <i>iScience</i> , 2021 , 24, 102040	6.1	6
224	Stage-specific action of juvenile hormone analogs. <i>Journal of Pesticide Sciences</i> , 2021 , 46, 16-22	2.7	2
223	Knockout of SldsRNase1 and SldsRNase2 revealed their function in dsRNA degradation and contribution to RNAi efficiency in the tobacco cutworm, Spodoptera litura. <i>Journal of Pest Science</i> , 2021 , 94, 1449-1460	5.5	3
222	Improving RNA interference in the southern green stink bug, Nezara viridula. <i>Journal of Pest Science</i> , 2021 , 94, 1461-1472	5.5	5
221	Coleopteran-specific StaufenC functions like Loquacious-PD in dsRNA processing. <i>RNA Biology</i> , 2021 , 1-11	4.8	1
220	Hyperactive piggyBac Transposase-mediated Germline Transformation in the Fall Armyworm, Spodoptera frugiperda. <i>Journal of Visualized Experiments</i> , 2021 ,	1.6	1
219	MicroRNA miR-8 promotes cell growth of corpus allatum and juvenile hormone biosynthesis independent of insulin/IGF signaling in Drosophila melanogaster. <i>Insect Biochemistry and Molecular Biology</i> , 2021 , 136, 103611	4.5	4

218	Juvenile hormone signaling promotes ovulation and maintains egg shape by inducing expression of extracellular matrix genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	6
217	Expanding the Toolkit for Genome Editing in a Disease Vector, Transgenic Lines Expressing Cas9 and Single Guide RNA Induce Efficient Mutagenesis. <i>CRISPR Journal</i> , 2021 ,	2.5	1
216	Inhibitor of apoptosis is an effective target gene for RNAi-mediated control of Colorado potato beetle, <i>Leptinotarsa decemlineata</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2020 , 104, e21685	2.3	10
215	RNA interference-mediated control of cigarette beetle, <i>Lasioderma serricorne</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2020 , 104, e21680	2.3	3
214	The effect of E93 knockdown on female reproduction in the red flour beetle, <i>Tribolium castaneum</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2020 , 104, e21688	2.3	2
213	Evaluation of inhibitor of apoptosis genes as targets for RNAi-mediated control of insect pests. <i>Archives of Insect Biochemistry and Physiology</i> , 2020 , 104, e21689	2.3	10
212	Development of RNAi methods to control the harlequin bug, <i>Murgantia histrionica</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2020 , 104, e21690	2.3	7
211	RNAi in Sf9 Cells via Nanomaterial Mediated Delivery of dsRNA: A Comparison of Poly-l-arginine Polyplexes and Poly-l-arginine-Functionalized Au Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 25645-25657	9.5	8
210	Xenobiotic transcription factors CncC and maf regulate expression of CYP321A16 and CYP332A1 that mediate chlorpyrifos resistance in <i>Spodoptera exigua</i> . <i>Journal of Hazardous Materials</i> , 2020 , 398, 122971	12.8	14
209	Polymer-Coated Hydroxyapatite Nanocarrier for Double-Stranded RNA Delivery. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 6811-6818	5.7	8
208	Comparison of Nanomaterials for Delivery of Double-Stranded RNA in. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 7926-7934	5.7	6
207	Histone deacetylase 3 is required for development and metamorphosis in the red flour beetle, <i>Tribolium castaneum</i> . <i>BMC Genomics</i> , 2020 , 21, 420	4.5	4
206	Identification and functional analysis of promoters of heat-shock genes from the fall armyworm, <i>Spodoptera frugiperda</i> . <i>Scientific Reports</i> , 2020 , 10, 2363	4.9	4
205	Gene content evolution in the arthropods. <i>Genome Biology</i> , 2020 , 21, 15	18.3	63
204	RNAi for management of Asian long-horned beetle, <i>Anoplophora glabripennis</i> : identification of target genes. <i>Journal of Pest Science</i> , 2020 , 93, 823-832	5.5	10
203	Double-stranded RNAs targeting inhibitor of apoptosis gene show no significant cross-species activity. <i>Archives of Insect Biochemistry and Physiology</i> , 2020 , 104, e21683	2.3	2
202	Genome editing in the fall armyworm, <i>Spodoptera frugiperda</i> : Multiple sgRNA/Cas9 method for identification of knockouts in one generation. <i>Insect Biochemistry and Molecular Biology</i> , 2020 , 122, 103373	4.5	9
201	CREB-binding protein regulates metamorphosis and compound eye development in the yellow fever mosquito, <i>Aedes aegypti</i> . <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2020 , 1863, 194576	6	6

200	Identification and characterization of multiple dsRNases from a lepidopteran insect, the tobacco cutworm, <i>Spodoptera litura</i> (Lepidoptera: Noctuidae). <i>Pesticide Biochemistry and Physiology</i> , 2020 , 162, 86-95	4.9	16
199	Double-stranded RNA in exosomes: Potential systemic RNA interference pathway in the Colorado potato beetle, <i>Leptinotarsa decemlineata</i> . <i>Journal of Asia-Pacific Entomology</i> , 2020 , 23, 1160-1164	1.4	7
198	Identification and characterization of highly active promoters from the fall armyworm, <i>Spodoptera frugiperda</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2020 , 126, 103455	4.5	5
197	Histone Deacetylase 11 Knockdown Blocks Larval Development and Metamorphosis in the Red Flour Beetle,. <i>Frontiers in Genetics</i> , 2020 , 11, 683	4.5	7
196	Insulin/IGF signaling and TORC1 promote vitellogenesis via inducing juvenile hormone biosynthesis in the American cockroach. <i>Development (Cambridge)</i> , 2020 , 147,	6.6	7
195	Mechanisms, Applications, and Challenges of Insect RNA Interference. <i>Annual Review of Entomology</i> , 2020 , 65, 293-311	21.8	130
194	CncC/Maf-mediated xenobiotic response pathway in insects. <i>Archives of Insect Biochemistry and Physiology</i> , 2020 , 104, e21674	2.3	24
193	Chitosan nanoparticles help double-stranded RNA escape from endosomes and improve RNA interference in the fall armyworm, <i>Spodoptera frugiperda</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2020 , 104, e21677	2.3	11
192	Lipids help double-stranded RNA in endosomal escape and improve RNA interference in the fall armyworm, <i>Spodoptera frugiperda</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2020 , 104, e21678	2.3	8
191	Orally delivered dsRNA induces knockdown of target genes and mortality in the Asian long-horned beetle, <i>Anoplophora glabripennis</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2020 , 104, e21679	2.3	5
190	Transport of orally delivered dsRNA in southern green stink bug, <i>Nezara viridula</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2020 , 104, e21692	2.3	9
189	Histone deacetylase 1 suppresses Krüppel homolog 1 gene expression and influences juvenile hormone action in. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 17759-17764	11.5	19
188	Development of CS-TPP-dsRNA nanoparticles to enhance RNAi efficiency in the yellow fever mosquito, <i>Aedes aegypti</i> . <i>Scientific Reports</i> , 2019 , 9, 8775	4.9	30
187	Uptake and Bioactivity of Chitosan/Double-Stranded RNA Polyplex Nanoparticles in <i>Caenorhabditis elegans</i> . <i>Environmental Science & Technology</i> , 2019 , 53, 3832-3840	10.3	17
186	Molecular evolutionary trends and feeding ecology diversification in the Hemiptera, anchored by the milkweed bug genome. <i>Genome Biology</i> , 2019 , 20, 64	18.3	60
185	Knockout of juvenile hormone receptor, Methoprene-tolerant, induces black larval phenotype in the yellow fever mosquito,. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 21501-21507	11.5	18
184	A Δ desaturase (SlitDes11) is associated with the biosynthesis of ester sex pheromone components in <i>Spodoptera litura</i> . <i>Pesticide Biochemistry and Physiology</i> , 2019 , 156, 152-159	4.9	5
183	A determining factor for insect feeding preference in the silkworm, <i>Bombyx mori</i> . <i>PLoS Biology</i> , 2019 , 17, e3000162	9.7	31

182	RNA sequencing, selection of reference genes and demonstration of feeding RNAi in Thrips tabaci (Lind.) (Thysanoptera: Thripidae). <i>BMC Molecular Biology</i> , 2019 , 20, 6	4.5	12
181	Disruption of sex-specific doublesex exons results in male- and female-specific defects in the black cutworm, <i>Agrotis ipsilon</i> . <i>Pest Management Science</i> , 2019 , 75, 1697-1706	4.6	15
180	A model species for agricultural pest genomics: the genome of the Colorado potato beetle, <i>Leptinotarsa decemlineata</i> (Coleoptera: Chrysomelidae). <i>Scientific Reports</i> , 2018 , 8, 1931	4.9	127
179	CREB-binding protein plays key roles in juvenile hormone action in the red flour beetle, <i>Tribolium Castaneum</i> . <i>Scientific Reports</i> , 2018 , 8, 1426	4.9	15
178	Antagonistic actions of juvenile hormone and 20-hydroxyecdysone within the ring gland determine developmental transitions in. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 139-144	11.5	76
177	BmILF and i-motif structure are involved in transcriptional regulation of BmPOUM2 in <i>Bombyx mori</i> . <i>Nucleic Acids Research</i> , 2018 , 46, 1710-1723	20.1	28
176	Identification of highly effective target genes for RNAi-mediated control of emerald ash borer, <i>Agilus planipennis</i> . <i>Scientific Reports</i> , 2018 , 8, 5020	4.9	27
175	Improving RNAi in the Brown Marmorated Stink Bug: Identification of target genes and reference genes for RT-qPCR. <i>Scientific Reports</i> , 2018 , 8, 3720	4.9	38
174	Double-stranded RNA binding protein, Staufen, is required for the initiation of RNAi in coleopteran insects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 8334-8339	11.5	60
173	Selection of housekeeping genes and demonstration of RNAi in cotton leafhopper, <i>Amrasca biguttula biguttula</i> (Ishida). <i>PLoS ONE</i> , 2018 , 13, e0191116	3.7	17
172	Epigenetic modifications acetylation and deacetylation play important roles in juvenile hormone action. <i>BMC Genomics</i> , 2018 , 19, 934	4.5	27
171	Identification of target genes for RNAi-mediated control of the Twospotted Spider Mite. <i>Scientific Reports</i> , 2018 , 8, 14687	4.9	12
170	Cap 'n' collar C regulates genes responsible for imidacloprid resistance in the Colorado potato beetle, <i>Leptinotarsa decemlineata</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2018 , 99, 54-62	4.5	37
169	Transcription factor cap n collar C regulates multiple cytochrome P450 genes conferring adaptation to potato plant allelochemicals and resistance to imidacloprid in <i>Leptinotarsa decemlineata</i> (Say). <i>Insect Biochemistry and Molecular Biology</i> , 2017 , 83, 1-12	4.5	64
168	The FOXO transcription factor controls insect growth and development by regulating juvenile hormone degradation in the silkworm,. <i>Journal of Biological Chemistry</i> , 2017 , 292, 11659-11669	5.4	34
167	Cap n collar transcription factor regulates multiple genes coding for proteins involved in insecticide detoxification in the red flour beetle, <i>Tribolium castaneum</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2017 , 90, 43-52	4.5	37
166	Accumulation of dsRNA in endosomes contributes to inefficient RNA interference in the fall armyworm, <i>Spodoptera frugiperda</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2017 , 90, 53-60	4.5	64
165	New roles for old actors, ROS and PRMT1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 10810-10812	11.5	14

164	Multiple functions of CREB-binding protein during postembryonic development: identification of target genes. <i>BMC Genomics</i> , 2017 , 18, 996	4.5	20
163	RNA interference in the Asian Longhorned Beetle: Identification of Key RNAi Genes and Reference Genes for RT-qPCR. <i>Scientific Reports</i> , 2017 , 7, 8913	4.9	38
162	Development of RNAi method for screening candidate genes to control emerald ash borer, <i>Agrilus planipennis</i> . <i>Scientific Reports</i> , 2017 , 7, 7379	4.9	31
161	Comparative analysis of double-stranded RNA degradation and processing in insects. <i>Scientific Reports</i> , 2017 , 7, 17059	4.9	89
160	20-Hydroxyecdysone (20E) Primary Response Gene E75 Isoforms Mediate Steroidogenesis Autoregulation and Regulate Developmental Timing in <i>Bombyx</i> . <i>Journal of Biological Chemistry</i> , 2016 , 291, 18163-75	5.4	28
159	The mitogenome of the bed bug (Hemiptera: Cimicidae). <i>Mitochondrial DNA Part B: Resources</i> , 2016 , 1, 425-427	0.5	5
158	Genome of the Asian longhorned beetle (<i>Anoplophora glabripennis</i>), a globally significant invasive species, reveals key functional and evolutionary innovations at the beetle-plant interface. <i>Genome Biology</i> , 2016 , 17, 227	18.3	161
157	Juvenile hormone regulation of female reproduction in the common bed bug, <i>Cimex lectularius</i> . <i>Scientific Reports</i> , 2016 , 6, 35546	4.9	38
156	Reduced stability and intracellular transport of dsRNA contribute to poor RNAi response in lepidopteran insects. <i>RNA Biology</i> , 2016 , 13, 656-69	4.8	137
155	Hormonal Regulation of Development and Reproduction 2016 , 97-114		2
154	Unique features of a global human ectoparasite identified through sequencing of the bed bug genome. <i>Nature Communications</i> , 2016 , 7, 10165	17.4	137
153	Identification of Ecdysone Hormone Receptor Agonists as a Therapeutic Approach for Treating Filarial Infections. <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0004772	4.8	10
152	RNA Interference: History, Mechanisms, and Applications in Pest Management 2016 , 397-413		1
151	A specialist herbivore pest adaptation to xenobiotics through up-regulation of multiple Cytochrome P450s. <i>Scientific Reports</i> , 2016 , 6, 20421	4.9	61
150	Identification of G protein-coupled receptors required for vitellogenin uptake into the oocytes of the red flour beetle, <i>Tribolium castaneum</i> . <i>Scientific Reports</i> , 2016 , 6, 27648	4.9	28
149	Krüppel homolog 1 and E93 mediate Juvenile hormone regulation of metamorphosis in the common bed bug, <i>Cimex lectularius</i> . <i>Scientific Reports</i> , 2016 , 6, 26092	4.9	38
148	RNA interference in the Colorado potato beetle, <i>Leptinotarsa decemlineata</i> : Identification of key contributors. <i>Insect Biochemistry and Molecular Biology</i> , 2016 , 78, 78-88	4.5	56
147	Nutrition regulation of male accessory gland growth and maturation in <i>Tribolium castaneum</i> . <i>Scientific Reports</i> , 2015 , 5, 10567	4.9	5

146	Methyl farnesoate plays a dual role in regulating <i>Drosophila</i> metamorphosis. <i>PLoS Genetics</i> , 2015 , 11, e1005038	6	49
145	20-Hydroxyecdysone (20E) Primary Response Gene E93 Modulates 20E Signaling to Promote <i>Bombyx</i> Larval-Pupal Metamorphosis. <i>Journal of Biological Chemistry</i> , 2015 , 290, 27370-27383	5.4	50
144	Chitosan, Carbon Quantum Dot, and Silica Nanoparticle Mediated dsRNA Delivery for Gene Silencing in <i>Aedes aegypti</i> : A Comparative Analysis. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 19530-5	9.5	92
143	Transcription factors, CncC and Maf, regulate expression of CYP6BQ genes responsible for deltamethrin resistance in <i>Tribolium castaneum</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2015 , 65, 47-56	4.5	66
142	Ectopic expression of ecdysone oxidase impairs tissue degeneration in <i>Bombyx mori</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015 , 282, 20150513	4.4	31
141	Production of all female progeny: evidence for the presence of the male sex determination factor on the Y chromosome. <i>Journal of Experimental Biology</i> , 2014 , 217, 1653-5	3	11
140	CYP18A1 regulates tissue-specific steroid hormone inactivation in <i>Bombyx mori</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2014 , 54, 33-41	4.5	22
139	Heat shock protein 83 (Hsp83) facilitates methoprene-tolerant (Met) nuclear import to modulate juvenile hormone signaling. <i>Journal of Biological Chemistry</i> , 2014 , 289, 27874-85	5.4	52
138	RNA interference in Colorado potato beetle: steps toward development of dsRNA as a commercial insecticide. <i>Current Opinion in Insect Science</i> , 2014 , 6, 1-8	5.1	125
137	Juvenile hormone regulates <i>Aedes aegypti</i> Krüppel homolog 1 through a conserved E box motif. <i>Insect Biochemistry and Molecular Biology</i> , 2014 , 52, 23-32	4.5	66
136	Integrated analysis of cytochrome P450 gene superfamily in the red flour beetle, <i>Tribolium castaneum</i> . <i>BMC Genomics</i> , 2013 , 14, 174	4.5	71
135	<i>Tribolium castaneum</i> Transformer-2 regulates sex determination and development in both males and females. <i>Insect Biochemistry and Molecular Biology</i> , 2013 , 43, 1125-32	4.5	30
134	The juvenile hormone signaling pathway in insect development. <i>Annual Review of Entomology</i> , 2013 , 58, 181-204	21.8	511
133	Proteomics of <i>Tribolium castaneum</i> seminal fluid proteins: identification of an angiotensin-converting enzyme as a key player in regulation of reproduction. <i>Journal of Proteomics</i> , 2013 , 78, 83-93	3.9	41
132	Juvenile hormone and insulin regulate trehalose homeostasis in the red flour beetle, <i>Tribolium castaneum</i> . <i>PLoS Genetics</i> , 2013 , 9, e1003535	6	60
131	Bed bugs evolved unique adaptive strategy to resist pyrethroid insecticides. <i>Scientific Reports</i> , 2013 , 3, 1456	4.9	129
130	G Protein-Coupled Receptors as Target Sites for Insecticide Discovery 2013 , 57-82		8
129	bHLH Transcription Factors: Potential Target Sites for Insecticide Development 2013 , 13-30		1

128	Identification of nuclear receptors involved in regulation of male reproduction in the red flour beetle, <i>Tribolium castaneum</i> . <i>Journal of Insect Physiology</i> , 2012 , 58, 710-7	2.4	12
127	Mutant and Overexpression Analysis of a C2H2 Single Zinc Finger Gene of Arabidopsis. <i>Plant Molecular Biology Reporter</i> , 2012 , 30, 99-110	1.7	5
126	Insect Genomics 2012 , 1-29		
125	Sex determination in beetles: production of all male progeny by parental RNAi knockdown of transformer. <i>Scientific Reports</i> , 2012 , 2, 602	4.9	56
124	Homeodomain POU and Abd-A proteins regulate the transcription of pupal genes during metamorphosis of the silkworm, <i>Bombyx mori</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 12598-603	11.5	43
123	Recent Progress in Juvenile Hormone Analogs (JHA) Research. <i>Advances in Insect Physiology</i> , 2012 , 353-436	19	
122	RNA interference of NADPH-cytochrome P450 reductase results in reduced insecticide resistance in the bed bug, <i>Cimex lectularius</i> . <i>PLoS ONE</i> , 2012 , 7, e31037	3.7	67
121	Doublesex target genes in the red flour beetle, <i>Tribolium castaneum</i> . <i>Scientific Reports</i> , 2012 , 2, 948	4.9	55
120	RNAi methods for management of insects and their pathogens.. <i>CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources</i> , 2012 , 7,	3.2	7
119	Molecular analysis of nutritional and hormonal regulation of female reproduction in the red flour beetle, <i>Tribolium castaneum</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2011 , 41, 294-305	4.5	88
118	Large-scale RNAi screen of G protein-coupled receptors involved in larval growth, molting and metamorphosis in the red flour beetle. <i>BMC Genomics</i> , 2011 , 12, 388	4.5	81
117	Ingested RNA interference for managing the populations of the Colorado potato beetle, <i>Leptinotarsa decemlineata</i> . <i>Pest Management Science</i> , 2011 , 67, 175-82	4.6	257
116	Steroid receptor co-activator is required for juvenile hormone signal transduction through a bHLH-PAS transcription factor, methoprene tolerant. <i>Journal of Biological Chemistry</i> , 2011 , 286, 8437-8447	5.4	155
115	Juvenile hormone regulates vitellogenin gene expression through insulin-like peptide signaling pathway in the red flour beetle, <i>Tribolium castaneum</i> . <i>Journal of Biological Chemistry</i> , 2011 , 286, 41924-41936	5.4	136
114	Improvement of ecdysone receptor gene switch for applications in plants: <i>Locusta migratoria</i> retinoid X receptor (LmRXR) mutagenesis and optimization of translation start site. <i>FEBS Journal</i> , 2010 , 277, 4640-50	5.7	3
113	A brain-specific cytochrome P450 responsible for the majority of deltamethrin resistance in the QTC279 strain of <i>Tribolium castaneum</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 8557-62	11.5	203
112	Molecular evidence for a functional ecdysone signaling system in <i>Brugia malayi</i> . <i>PLoS Neglected Tropical Diseases</i> , 2010 , 4, e625	4.8	42
111	Juvenile hormone regulation of vitellogenin synthesis in the red flour beetle, <i>Tribolium castaneum</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2010 , 40, 405-14	4.5	117

110	Ecdysteroid regulation of ovarian growth and oocyte maturation in the red flour beetle, <i>Tribolium castaneum</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2010 , 40, 429-39	4.5	87
109	Functional characterization of bursicon receptor and genome-wide analysis for identification of genes affected by bursicon receptor RNAi. <i>Developmental Biology</i> , 2010 , 344, 248-58	3.1	30
108	The members of bHLH transcription factor superfamily are required for female reproduction in the red flour beetle, <i>Tribolium castaneum</i> . <i>Journal of Insect Physiology</i> , 2010 , 56, 1481-9	2.4	16
107	The function of nuclear receptors in regulation of female reproduction and embryogenesis in the red flour beetle, <i>Tribolium castaneum</i> . <i>Journal of Insect Physiology</i> , 2010 , 56, 1471-80	2.4	77
106	Widespread distribution of knockdown resistance mutations in the bed bug, <i>Cimex lectularius</i> (Hemiptera: Cimicidae), populations in the United States. <i>Archives of Insect Biochemistry and Physiology</i> , 2010 , 73, 245-57	2.3	119
105	Mode of action of methoprene in affecting female reproduction in the African malaria mosquito, <i>Anopheles gambiae</i> . <i>Pest Management Science</i> , 2010 , 66, 936-43	4.6	34
104	Interaction of proteins involved in ecdysone and juvenile hormone signal transduction. <i>Archives of Insect Biochemistry and Physiology</i> , 2009 , 70, 90-105	2.3	35
103	Molecular analysis of juvenile hormone analog action in controlling the metamorphosis of the red flour beetle, <i>Tribolium castaneum</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2009 , 70, 57-70	2.3	37
102	Identification of a cis-regulatory element required for 20-hydroxyecdysone enhancement of antimicrobial peptide gene expression in <i>Drosophila melanogaster</i> . <i>Insect Molecular Biology</i> , 2009 , 18, 595-605	3.4	27
101	Functional characterization of PAS and HES family bHLH transcription factors during the metamorphosis of the red flour beetle, <i>Tribolium castaneum</i> . <i>Gene</i> , 2009 , 448, 74-87	3.8	35
100	Juvenile hormone regulation of male accessory gland activity in the red flour beetle, <i>Tribolium castaneum</i> . <i>Mechanisms of Development</i> , 2009 , 126, 563-79	1.7	72
99	Recent Advances in the Mode of Action of Juvenile Hormones and Their Analogs 2009 , 111-129		3
98	Ecdysone Receptor-Based Gene Switches for Applications in Plants 2009 , 511-538		1
97	Applications of RNA Interference in Ecdysone Research 2009 , 205-227		1
96	Transcription factor broad suppresses precocious development of adult structures during larval-pupal metamorphosis in the red flour beetle, <i>Tribolium castaneum</i> . <i>Mechanisms of Development</i> , 2008 , 125, 299-313	1.7	112
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5	A model species for agricultural pest genomics: the genome of the Colorado potato beetle, <i>Leptinotarsa decemlineata</i> (Coleoptera: Chrysomelidae)		1
4	Molecular evolutionary trends and feeding ecology diversification in the Hemiptera, anchored by the milkweed bug genome		11
3	Insulin/IGF signaling and TOR promote vitellogenesis via inducing juvenile hormone biosynthesis		1

2 Gene Content Evolution in the Arthropods

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1 Midgut-specific expression of CYP321A8 P450 gene increases deltamethrin tolerance in the fall armyworm *Spodoptera frugiperda*. *Journal of Pest Science*,1

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