

Subba Reddy Palli

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235
papers

9,128
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h-index

83
g-index

250
ext. papers

11,025
ext. citations

5
avg, IF

6.82
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 235 | The juvenile hormone signaling pathway in insect development. <i>Annual Review of Entomology</i> , 2013 , 58, 181-204 | 21.8 | 511 |
| 234 | 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 |
| 233 | 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 |
| 232 | 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 |
| 231 | Hormonal regulation of the humoral innate immune response in <i>Drosophila melanogaster</i> . <i>Journal of Experimental Biology</i> , 2008 , 211, 2712-24 | 3 | 161 |
| 230 | 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 |
| 229 | Cloning of an ecdysone receptor homolog from <i>Manduca sexta</i> and the developmental profile of its mRNA in wings. <i>Insect Biochemistry and Molecular Biology</i> , 1995 , 25, 845-56 | 4.5 | 142 |
| 228 | 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 |
| 227 | 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 |
| 226 | 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 |
| 225 | Mechanisms, Applications, and Challenges of Insect RNA Interference. <i>Annual Review of Entomology</i> , 2020 , 65, 293-311 | 21.8 | 130 |
| 224 | Bed bugs evolved unique adaptive strategy to resist pyrethroid insecticides. <i>Scientific Reports</i> , 2013 , 3, 1456 | 4.9 | 129 |
| 223 | 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 |
| 222 | 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 |
| 221 | 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 |
| 220 | 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 |
| 219 | An ecdysteroid-inducible <i>Manduca</i> gene similar to the <i>Drosophila</i> DHR3 gene, a member of the steroid hormone receptor superfamily. <i>Developmental Biology</i> , 1992 , 150, 306-18 | 3.1 | 117 |

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| 218 | 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 |
| 217 | bHLH-PAS family transcription factor methoprene-tolerant plays a key role in JH action in preventing the premature development of adult structures during larval-pupal metamorphosis. <i>Mechanisms of Development</i> , 2008 , 125, 601-16 | 1.7 | 93 |
| 216 | 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 |
| 215 | Molecular analysis of the mode of action of RH-5992, a lepidopteran-specific, non-steroidal ecdysteroid agonist. <i>Insect Biochemistry and Molecular Biology</i> , 1995 , 25, 109-117 | 4.5 | 92 |
| 214 | Ecdysone [corrected] receptor isoforms play distinct roles in controlling molting and metamorphosis in the red flour beetle, <i>Tribolium castaneum</i> . <i>Molecular and Cellular Endocrinology</i> , 2008 , 291, 42-9 | 4.4 | 90 |
| 213 | Mechanisms of midgut remodeling: juvenile hormone analog methoprene blocks midgut metamorphosis by modulating ecdysone action. <i>Mechanisms of Development</i> , 2006 , 123, 530-47 | 1.7 | 90 |
| 212 | Comparative analysis of double-stranded RNA degradation and processing in insects. <i>Scientific Reports</i> , 2017 , 7, 17059 | 4.9 | 89 |
| 211 | 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 |
| 210 | 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 |
| 209 | Identification and characterization of a juvenile hormone response element and its binding proteins. <i>Journal of Biological Chemistry</i> , 2007 , 282, 37605-17 | 5.4 | 86 |
| 208 | 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 |
| 207 | Developmental and hormonal regulation of midgut remodeling in a lepidopteran insect, <i>Heliothis virescens</i> . <i>Mechanisms of Development</i> , 2007 , 124, 23-34 | 1.7 | 81 |
| 206 | Improved ecdysone receptor-based inducible gene regulation system. <i>FEBS Journal</i> , 2003 , 270, 1308-15 | | 80 |
| 205 | Spruce budworm (<i>Choristoneura fumiferana</i>) juvenile hormone esterase: hormonal regulation, developmental expression and cDNA cloning. <i>Molecular and Cellular Endocrinology</i> , 1999 , 148, 95-108 | 4.4 | 80 |
| 204 | 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 |
| 203 | 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 |
| 202 | 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 |
| 201 | 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 |

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|-----|--|------|----|
| 200 | Cloning and developmental expression of the ecdysone receptor gene from the spruce budworm, <i>Choristoneura fumiferana</i> . <i>Genesis</i> , 1995 , 17, 319-30 | | 70 |
| 199 | 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 |
| 198 | Ecdysteroid receptors and their applications in agriculture and medicine. <i>Vitamins and Hormones</i> , 2005 , 73, 59-100 | 2.5 | 67 |
| 197 | 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 |
| 196 | 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 |
| 195 | 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 |
| 194 | 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 |
| 193 | Gene content evolution in the arthropods. <i>Genome Biology</i> , 2020 , 21, 15 | 18.3 | 63 |
| 192 | Identification and characterization of nuclear receptors from the red flour beetle, <i>Tribolium castaneum</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2008 , 38, 430-9 | 4.5 | 62 |
| 191 | A specialist herbivore pest adaptation to xenobiotics through up-regulation of multiple Cytochrome P450s. <i>Scientific Reports</i> , 2016 , 6, 20421 | 4.9 | 61 |
| 190 | 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 |
| 189 | Double-stranded RNA binding protein, Staufén, 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 |
| 188 | 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 |
| 187 | A single point mutation in ecdysone receptor leads to increased ligand specificity: implications for gene switch applications. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 14710-5 | 11.5 | 59 |
| 186 | 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 |
| 185 | A nuclear juvenile hormone-binding protein from larvae of <i>Manduca sexta</i> : a putative receptor for the metamorphic action of juvenile hormone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994 , 91, 6191-5 | 11.5 | 56 |
| 184 | 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 |
| 183 | Doublesex target genes in the red flour beetle, <i>Tribolium castaneum</i> . <i>Scientific Reports</i> , 2012 , 2, 948 | 4.9 | 55 |

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| 182 | Cloning and developmental expression of Choristoneura hormone receptor 3, an ecdysone-inducible gene and a member of the steroid hormone receptor superfamily. <i>Insect Biochemistry and Molecular Biology</i> , 1996 , 26, 485-99 | 4.5 | 55 |
| 181 | Ecdysteroid titers and developmental expression of ecdysteroid-regulated genes during metamorphosis of the yellow fever mosquito, <i>Aedes aegypti</i> (Diptera: Culicidae). <i>Journal of Insect Physiology</i> , 2006 , 52, 558-68 | 2.4 | 54 |
| 180 | Identification and characterization of a juvenile hormone (JH) response region in the JH esterase gene from the spruce budworm, <i>Choristoneura fumiferana</i> . <i>Journal of Biological Chemistry</i> , 2004 , 279, 19634-42 | 5.4 | 53 |
| 179 | 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 |
| 178 | Crustacean retinoid-X receptor isoforms: distinctive DNA binding and receptor-receptor interaction with a cognate ecdysteroid receptor. <i>Molecular and Cellular Endocrinology</i> , 2004 , 218, 21-38 | 4.4 | 52 |
| 177 | 20-Hydroxyecdysone (20E) Primary Response Gene E93 Modulates 20E Signaling to Promote Bombyx Larval-Pupal Metamorphosis. <i>Journal of Biological Chemistry</i> , 2015 , 290, 27370-27383 | 5.4 | 50 |
| 176 | Methyl farnesoate plays a dual role in regulating <i>Drosophila</i> metamorphosis. <i>PLoS Genetics</i> , 2015 , 11, e1005038 | 6 | 49 |
| 175 | Developmental expression and stress induction of glutathione S-transferase in the spruce budworm, <i>Choristoneura fumiferana</i> . <i>Journal of Insect Physiology</i> , 2001 , 47, 1-10 | 2.4 | 48 |
| 174 | Glutathione S-transferase from the spruce budworm, <i>Choristoneura fumiferana</i> : identification, characterization, localization, cDNA cloning, and expression. <i>Insect Biochemistry and Molecular Biology</i> , 1999 , 29, 779-93 | 4.5 | 48 |
| 173 | Synthesis of the same two proteins prior to larval diapause and pupation in the spruce budworm, <i>Choristoneura fumiferana</i> . <i>Journal of Insect Physiology</i> , 1998 , 44, 509-524 | 2.4 | 47 |
| 172 | Developmental expression, synthesis, and secretion of insecticyanin by the epidermis of the tobacco hornworm, <i>Manduca sexta</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 1990 , 14, 171-90 | 2.3 | 47 |
| 171 | Studies on two ecdysone receptor isoforms of the spruce budworm, <i>Choristoneura fumiferana</i> . <i>Molecular and Cellular Endocrinology</i> , 1999 , 152, 73-84 | 4.4 | 46 |
| 170 | Juvenile hormone and Retinoic acid Receptors in <i>Manduca</i> epidermis. <i>Insect Biochemistry</i> , 1991 , 21, 7-15 | | 46 |
| 169 | Forest insect cell lines responsive to 20-hydroxyecdysone and two nonsteroidal ecdysone agonists, RH-5849 and RH-5992. <i>Journal of Insect Physiology</i> , 1995 , 41, 457-464 | 2.4 | 45 |
| 168 | A function for pericardial cells in an insect. <i>Insect Biochemistry</i> , 1987 , 17, 829-840 | | 45 |
| 167 | Highly flexible ligand binding pocket of ecdysone receptor: a single amino acid change leads to discrimination between two groups of nonsteroidal ecdysone agonists. <i>Journal of Biological Chemistry</i> , 2004 , 279, 27211-8 | 5.4 | 44 |
| 166 | Juvenile hormone receptors in insect larval epidermis: identification by photoaffinity labeling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990 , 87, 796-800 | 11.5 | 44 |
| 165 | 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 |

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| 164 | Proliferation and differentiation of intestinal stem cells during metamorphosis of the red flour beetle, <i>Tribolium castaneum</i> . <i>Developmental Dynamics</i> , 2008 , 237, 893-908 | 2.9 | 43 |
| 163 | The synthesis of hemolymph proteins by the larval epidermis of an insect <i>Calpodex ethlius</i> (Lepidoptera: Hesperidae). <i>Insect Biochemistry</i> , 1987 , 17, 711-722 | | 43 |
| 162 | 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 |
| 161 | Developmental and hormonal regulation of juvenile hormone esterase gene in <i>Drosophila melanogaster</i> . <i>Journal of Insect Physiology</i> , 2005 , 51, 393-400 | 2.4 | 42 |
| 160 | Studies of the nucleopolyhedrovirus infection process in insects by using the green fluorescence protein as a reporter. <i>Journal of Virology</i> , 1998 , 72, 3377-82 | 6.6 | 42 |
| 159 | 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 |
| 158 | Basis for selective action of a synthetic molting hormone agonist, RH-5992 on lepidopteran insects. <i>Insect Biochemistry and Molecular Biology</i> , 1998 , 28, 693-704 | 4.5 | 40 |
| 157 | EFFECT OF RH-5992, A NONSTEROIDAL ECDYSONE AGONIST, ON THE SPRUCE BUDWORM, <i>CHORISTONEURA FUMIFERANA</i> (LEPIDOPTERA: TORTRICIDAE): LABORATORY, GREENHOUSE, AND GROUND SPRAY TRIALS. <i>Canadian Entomologist</i> , 1997 , 129, 871-885 | 0.7 | 39 |
| 156 | Stage- and cell-specific expression of ecdysone receptors and ecdysone-induced transcription factors during midgut remodeling in the yellow fever mosquito, <i>Aedes aegypti</i> . <i>Journal of Insect Physiology</i> , 2007 , 53, 216-29 | 2.4 | 39 |
| 155 | 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 |
| 154 | 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 |
| 153 | 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 |
| 152 | Ultrastructural Effects of a Non-Steroidal Ecdysone Agonist, RH-5992, on the Sixth Instar Larva of the Spruce Budworm, <i>Choristoneura fumiferana</i> . <i>Journal of Insect Physiology</i> , 1997 , 43, 55-68 | 2.4 | 38 |
| 151 | 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 |
| 150 | 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 |
| 149 | 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 |
| 148 | Cloning and development expression of <i>Choristoneura</i> hormone receptor 75: a homologue of the <i>Drosophila</i> E75A gene. <i>Genesis</i> , 1997 , 20, 36-46 | | 37 |
| 147 | CfMNPV blocks AcMNPV-induced apoptosis in a continuous midgut cell line. <i>Virology</i> , 1996 , 222, 201-13 | 3.6 | 37 |

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| 146 | The synthesis of hemolymph proteins by the larval midgut of an insect <i>Calpododes ethlius</i> (Lepidoptera:Hesperiidae). <i>Insect Biochemistry</i> , 1987 , 17, 561-572 | | 37 |
| 145 | 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 |
| 144 | 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 |
| 143 | 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 |
| 142 | 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 |
| 141 | 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 |
| 140 | The ultraspiracle gene of the spruce budworm, <i>Choristoneura fumiferana</i> : cloning of cDNA and developmental expression of mRNA. <i>Genesis</i> , 1998 , 22, 169-79 | | 34 |
| 139 | Patterns of MHR3 expression in the epidermis during a larval molt of the tobacco hornworm <i>Manduca sexta</i> . <i>Developmental Biology</i> , 2000 , 227, 481-94 | 3.1 | 34 |
| 138 | The synthesis of hemolymph proteins by the larval fat body of an insect <i>Calpododes ethlius</i> (Lepidoptera: Hesperiidae). <i>Insect Biochemistry</i> , 1988 , 18, 405-413 | | 33 |
| 137 | Purification and reassessment of ligand binding by the recombinant, putative juvenile hormone receptor of the tobacco hornworm, <i>Manduca sexta</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 1996 , 31, 371-393 | 2.3 | 32 |
| 136 | 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 |
| 135 | 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 |
| 134 | Identification and characterization of juvenile hormone esterase gene from the yellow fever mosquito, <i>Aedes aegypti</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2007 , 37, 829-37 | 4.5 | 31 |
| 133 | Molecular and biochemical aspects of chitin synthesis inhibition. <i>Exs</i> , 1999 , 87, 85-98 | | 31 |
| 132 | A determining factor for insect feeding preference in the silkworm, <i>Bombyx mori</i> . <i>PLoS Biology</i> , 2019 , 17, e3000162 | 9.7 | 31 |
| 131 | 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 |
| 130 | <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 |
| 129 | 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 |

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| 128 | The influence of heterodimer partner ultraspiracle/retinoid X receptor on the function of ecdysone receptor. <i>FEBS Journal</i> , 2005 , 272, 5979-90 | 5.7 | 30 |
| 127 | Analysis of ecdysteroid action in <i>Malacosoma disstria</i> cells: cloning selected regions of E75- and MHR3-like genes. <i>Insect Biochemistry and Molecular Biology</i> , 1995 , 25, 697-707 | 4.5 | 29 |
| 126 | The localization of arylphorin in an insect, <i>Calpodes ethlius</i> . <i>Journal of Insect Physiology</i> , 1989 , 35, 223-231 | 4.4 | 29 |
| 125 | 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 |
| 124 | 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 |
| 123 | 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 |
| 122 | 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 |
| 121 | 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 |
| 120 | Development of a methoxyfenozide-responsive gene switch for applications in plants. <i>Plant Journal</i> , 2006 , 45, 457-69 | 6.9 | 27 |
| 119 | Epigenetic modifications acetylation and deacetylation play important roles in juvenile hormone action. <i>BMC Genomics</i> , 2018 , 19, 934 | 4.5 | 27 |
| 118 | Effect of RH-5992 on adult development in the spruce budworm, <i>Choristoneura fumiferana</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2002 , 32, 225-31 | 4.5 | 25 |
| 117 | Transcriptional activation of the cloned <i>Heliothis virescens</i> (Lepidoptera) ecdysone receptor (HvEcR) by muristeroneA. <i>Insect Biochemistry and Molecular Biology</i> , 1999 , 29, 915-30 | 4.5 | 25 |
| 116 | Protein kinase C mediated phosphorylation blocks juvenile hormone action. <i>Molecular and Cellular Endocrinology</i> , 2006 , 247, 127-34 | 4.4 | 24 |
| 115 | CncC/Maf-mediated xenobiotic response pathway in insects. <i>Archives of Insect Biochemistry and Physiology</i> , 2020 , 104, e21674 | 2.3 | 24 |
| 114 | Reconstruction of ligand-dependent transactivation of <i>Choristoneura fumiferana</i> ecdysone receptor in yeast. <i>Molecular Endocrinology</i> , 2001 , 15, 1140-53 | | 23 |
| 113 | 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 |
| 112 | Toxicity of Ecdysone Agonists Correlates with the Induction of CHR3 mRNA in the Spruce Budworm. <i>Pesticide Biochemistry and Physiology</i> , 1998 , 62, 201-208 | 4.9 | 21 |
| 111 | The acidic activation domains of the baculovirus transactivators IE1 and IE0 are functional for transcriptional activation in both insect and mammalian cells. <i>Journal of General Virology</i> , 2004 , 85, 573-582 | 4.9 | 21 |

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