

# Vanden Broeck, Jozef

## List of Publications by Year in descending order

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124  
papers

5,697  
citations

76196

40  
h-index

91712

69  
g-index

125  
all docs

125  
docs citations

125  
times ranked

4046  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Neuropeptides and their precursors in the fruitfly, <i>Drosophila melanogaster</i> . Peptides, 2001, 22, 241-254.   | 1.2 | 306       |
| 2  | Insulin/IGF signaling in <i>Drosophila</i> and other insects: factors that regulate production, release and post-release action of the insulin-like peptides. Cellular and Molecular Life Sciences, 2016, 73, 271-290.  | 2.4 | 269       |
| 3  | Identification and validation of housekeeping genes in brains of the desert locust <i>Schistocerca gregaria</i> under different developmental conditions. BMC Molecular Biology, 2009, 10, 56.  | 3.0 | 207       |
| 4  | RNA Interference in Insects: Protecting Beneficials and Controlling Pests. Frontiers in Physiology, 2018, 9, 1912.  | 1.3 | 153       |
| 5  | Peptides in the Locusts, <i>Locusta migratoria</i> and <i>Schistocerca gregaria</i> . Peptides, 1997, 18, 145-156.  | 1.2 | 149       |
| 6  | <i>Drosophila</i> molting neurohormone bursicon is a heterodimer and the natural agonist of the orphan receptor DLGR2. FEBS Letters, 2005, 579, 2171-2176.  | 1.3 | 144       |
| 7  | The role of octopamine in locusts and other arthropods. Journal of Insect Physiology, 2010, 56, 854-867.  | 0.9 | 142       |
| 8  | Identification, functional characterization and phylogenetic analysis of double stranded RNA degrading enzymes present in the gut of the desert locust, <i>Schistocerca gregaria</i> . Insect Biochemistry and Molecular Biology, 2014, 46, 1-8.                | 1.2 | 138       |
| 9  | Eat to reproduce: a key role for the insulin signaling pathway in adult insects. Frontiers in Physiology, 2013, 4, 202.   | 1.3 | 137       |
| 10 | Knockdown of nuclease activity in the gut enhances RNAi efficiency in the Colorado potato beetle, <i>Leptinotarsa decemlineata</i> , but not in the desert locust, <i>Schistocerca gregaria</i> . Insect Biochemistry and Molecular Biology, 2017, 81, 103-116. | 1.2 | 133       |
| 11 | Control of ecdysteroidogenesis in prothoracic glands of insects: A review. Peptides, 2010, 31, 506-519.   | 1.2 | 130       |
| 12 | From Molecules to Management: Mechanisms and Consequences of Locust Phase Polyphenism. Advances in Insect Physiology, 2017, 53, 167-285.  | 1.1 | 101       |
| 13 | Final steps in juvenile hormone biosynthesis in the desert locust, <i>Schistocerca gregaria</i> . Insect Biochemistry and Molecular Biology, 2011, 41, 219-227.   | 1.2 | 98        |
| 14 | An evolutionary comparison of leucine-rich repeat containing G protein-coupled receptors reveals a novel LGR subtype. Peptides, 2012, 34, 193-200.  | 1.2 | 95        |
| 15 | Myoinhibiting peptides are the ancestral ligands of the promiscuous <i>Drosophila</i> sex peptide receptor. Cellular and Molecular Life Sciences, 2010, 67, 3511-3522.  | 2.4 | 93        |
| 16 | Transcriptome Analysis of the Desert Locust Central Nervous System: Production and Annotation of a <i>Schistocerca gregaria</i> EST Database. PLoS ONE, 2011, 6, e17274.  | 1.1 | 90        |
| 17 | RNA interference of insulin-related peptide and neuroparsins affects vitellogenesis in the desert locust <i>Schistocerca gregaria</i> . Peptides, 2011, 32, 573-580.  | 1.2 | 86        |
| 18 | Insect G protein-coupled receptors and signal transduction. Archives of Insect Biochemistry and Physiology, 2001, 48, 1-12.   | 0.6 | 85        |

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|----|--|-----|-----------|
| 19 | Role of the Halloween genes, Spook and Phantom in ecdysteroidogenesis in the desert locust, <i>Schistocerca gregaria</i> . <i>Journal of Insect Physiology</i> , 2011, 57, 1240-1248.  | 0.9 | 83        |
| 20 | Tissue-dependence and sensitivity of the systemic RNA interference response in the desert locust, <i>Schistocerca gregaria</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2012, 42, 911-917.   | 1.2 | 83        |
| 21 | Extracellular nutrient digestion and absorption in the insect gut. <i>Cell and Tissue Research</i> , 2019, 377, 397-414.   | 1.5 | 81        |
| 22 | Characterization and distribution of NKD, a receptor for <i>Drosophila</i> tachykinin-related peptide 6. <i>Peptides</i> , 2009, 30, 545-556.  | 1.2 | 78        |
| 23 | Influence of Freeze-Drying and Oven-Drying Post Blanching on the Nutrient Composition of the Edible Insect <i>Ruspolia differens</i> . <i>Insects</i> , 2017, 8, 102.  | 1.0 | 78        |
| 24 | Endocrinology of reproduction and phase transition in locusts. <i>General and Comparative Endocrinology</i> , 2009, 162, 79-92.  | 0.8 | 73        |
| 25 | Neuroparsins, a family of conserved arthropod neuropeptides. <i>General and Comparative Endocrinology</i> , 2007, 153, 64-71.  | 0.8 | 71        |
| 26 | Critical role for protein kinase A in the acquisition of gregarious behavior in the desert locust. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E381-7.   | 3.3 | 69        |
| 27 | Tachykinin-like Peptides and Their Receptors: A Review. <i>Annals of the New York Academy of Sciences</i> , 1999, 897, 374-387.  | 1.8 | 68        |
| 28 | Comparative genomics of leucine-rich repeats containing G protein-coupled receptors and their ligands. <i>General and Comparative Endocrinology</i> , 2008, 155, 14-21.  | 0.8 | 68        |
| 29 | The pleiotropic allatoprotective neuropeptides and their receptors: A mini-review. <i>Journal of Insect Physiology</i> , 2015, 80, 2-14.   | 0.9 | 67        |
| 30 | Purification and characterization of an insulin-related peptide in the desert locust, <i>Schistocerca gregaria</i> : immunolocalization, cDNA cloning, transcript profiling and interaction with neuroparsin. <i>Journal of Molecular Endocrinology</i> , 2008, 40, 137-150. | 1.1 | 66        |
| 31 | Regulation of feeding by Neuropeptide F in the desert locust, <i>Schistocerca gregaria</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2013, 43, 102-114.   | 1.2 | 63        |
| 32 | Biological Mechanisms Determining the Success of RNA Interference in Insects. <i>International Review of Cell and Molecular Biology</i> , 2014, 312, 139-167.  | 1.6 | 63        |
| 33 | Receptors for Neuronal or Endocrine Signalling Molecules as Potential Targets for the Control of Insect Pests. <i>Advances in Insect Physiology</i> , 2014, 46, 167-303.   | 1.1 | 56        |
| 34 | The possible impact of persistent virus infection on the function of the RNAi machinery in insects: a hypothesis. <i>Frontiers in Physiology</i> , 2013, 4, 319.   | 1.3 | 55        |
| 35 | Isolation and functional characterization of an allatotropin receptor from <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2011, 41, 804-814.  | 1.2 | 50        |
| 36 | Functional Characterization of the Short Neuropeptide F Receptor in the Desert Locust, <i>Schistocerca gregaria</i> . <i>PLoS ONE</i> , 2013, 8, e53604.   | 1.1 | 50        |

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|----|---|-----|-----------|
| 37 | The ecdysone receptor complex is essential for the reproductive success in the female desert locust, <i>Schistocerca gregaria</i> . <i>Scientific Reports</i> , 2019, 9, 15.  | 1.6 | 49        |
| 38 | The evolution of animal Argonautes: evidence for the absence of antiviral AGO Argonautes in vertebrates. <i>Scientific Reports</i> , 2017, 7, 9230.   | 1.6 | 46        |
| 39 | CRF-Like Diuretic Hormone Negatively Affects Both Feeding and Reproduction in the Desert Locust, <i>Schistocerca gregaria</i> . <i>PLoS ONE</i> , 2012, 7, e31425.  | 1.1 | 44        |
| 40 | RNAi-mediated knockdown of Shade negatively affects ecdysone-20-hydroxylation in the desert locust, <i>Schistocerca gregaria</i> . <i>Journal of Insect Physiology</i> , 2012, 58, 890-896.   | 0.9 | 44        |
| 41 | The ecdysis triggering hormone system is essential for successful moulting of a major hemimetabolous pest insect, <i>Schistocerca gregaria</i> . <i>Scientific Reports</i> , 2017, 7, 46502.  | 1.6 | 44        |
| 42 | Generation of Virus- and dsRNA-Derived siRNAs with Species-Dependent Length in Insects. <i>Viruses</i> , 2019, 11, 738.   | 1.5 | 43        |
| 43 | Design of Novel Neurokinin 1 Receptor Antagonists Based on Conformationally Constrained Aromatic Amino Acids and Discovery of a Potent Chimeric Opioid Agonist-Neurokinin 1 Receptor Antagonist. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 2467-2476. | 2.9 | 41        |
| 44 | Ecdysteroid signalling components in metamorphosis and development of the desert locust, <i>Schistocerca gregaria</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2016, 75, 10-23.   | 1.2 | 40        |
| 45 | Characterization of an allatotropin-like peptide receptor in the red flour beetle, <i>Tribolium castaneum</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2011, 41, 815-822.   | 1.2 | 39        |
| 46 | Neuropeptidergic regulation of reproduction in insects. <i>General and Comparative Endocrinology</i> , 2013, 188, 23-34.  | 0.8 | 39        |
| 47 | The cloning, phylogenetic relationship and distribution pattern of two new putative GPCR-type octopamine receptors in the desert locust ( <i>Schistocerca gregaria</i> ). <i>Journal of Insect Physiology</i> , 2010, 56, 868-875.                            | 0.9 | 38        |
| 48 | Orcokinin neuropeptides regulate ecdysis in the hemimetabolous insect <i>Rhodnius prolixus</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2017, 81, 91-102.   | 1.2 | 38        |
| 49 | Neuropeptide Receptors as Possible Targets for Development of Insect Pest Control Agents. <i>Advances in Experimental Medicine and Biology</i> , 2010, 692, 211-226.  | 0.8 | 38        |
| 50 | Effects of different dietary conditions on the expression of trypsin- and chymotrypsin-like protease genes in the digestive system of the migratory locust, <i>Locusta migratoria</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2014, 48, 100-109. | 1.2 | 37        |
| 51 | Analysis of Peptide Ligand Specificity of Different Insect Adipokinetic Hormone Receptors. <i>International Journal of Molecular Sciences</i> , 2018, 19, 542.  | 1.8 | 37        |
| 52 | PIWI pathway against viruses in insects. <i>Wiley Interdisciplinary Reviews RNA</i> , 2019, 10, e1555.  | 3.2 | 37        |
| 53 | Neuropeptide F regulates male reproductive processes in the desert locust, <i>Schistocerca gregaria</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2013, 43, 252-259.   | 1.2 | 36        |
| 54 | Identification of the short neuropeptide F precursor in the desert locust: Evidence for an inhibitory role of sNPF in the control of feeding. <i>Peptides</i> , 2014, 53, 134-139.  | 1.2 | 36        |

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|----|---|-----|-----------|
| 55 | Lipophorins can adhere to dsRNA, bacteria and fungi present in the hemolymph of the desert locust: A role as general scavenger for pathogens in the open body cavity. <i>Journal of Insect Physiology</i> , 2014, 64, 7-13. | 0.9 | 36        |
| 56 | Microarray-Based Transcriptomic Analysis of Differences between Long-Term Gregarious and Solitary Desert Locusts. <i>PLoS ONE</i> , 2011, 6, e28110.  | 1.1 | 36        |
| 57 | The role of hemocytes, serine protease inhibitors and pathogen-associated patterns in prophenoloxidase activation in the desert locust, <i>Schistocerca gregaria</i> . <i>Peptides</i> , 2008, 29, 235-241.                 | 1.2 | 35        |
| 58 | Neuroparsin transcripts as molecular markers in the process of desert locust ( <i>Schistocerca gregaria</i> ) phase transition. <i>Biochemical and Biophysical Research Communications</i> , 2006, 341, 599-606.            | 1.0 | 34        |
| 59 | Characterisation and pharmacological analysis of a crustacean G protein-coupled receptor: the red pigment-concentrating hormone receptor of <i>Daphnia pulex</i> . <i>Scientific Reports</i> , 2017, 7, 6851.               | 1.6 | 34        |
| 60 | First draft genome assembly of the desert locust, <i>Schistocerca gregaria</i> . <i>F1000Research</i> , 2020, 9, 775.   | 0.8 | 34        |
| 61 | Pharmacological Characterization of a 5-HT <sub>1</sub> -Type Serotonin Receptor in the Red Flour Beetle, <i>Tribolium castaneum</i> . <i>PLoS ONE</i> , 2013, 8, e65052.   | 1.1 | 33        |
| 62 | Sulfakinin is an important regulator of digestive processes in the migratory locust, <i>Locusta migratoria</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2015, 61, 8-16.   | 1.2 | 32        |
| 63 | Cloning, constitutive activity and expression profiling of two receptors related to relaxin receptors in <i>Drosophila melanogaster</i> . <i>Peptides</i> , 2015, 68, 83-90.  | 1.2 | 31        |
| 64 | Peptides in insect oogenesis. <i>Current Opinion in Insect Science</i> , 2019, 31, 58-64.   | 2.2 | 31        |
| 65 | Analgesic Properties of Opioid/NK1 Multitarget Ligands with Distinct in Vitro Profiles in Naive and Chronic Constriction Injury Mice. <i>ACS Chemical Neuroscience</i> , 2017, 8, 2315-2324.                                | 1.7 | 30        |
| 66 | Identification and Expression of the CCAP Receptor in the Chagasâ€™ Disease Vector, <i>Rhodnius prolixus</i> , and Its Involvement in Cardiac Control. <i>PLoS ONE</i> , 2013, 8, e68897.                                   | 1.1 | 28        |
| 67 | In vivo effect of Neuropeptide F on ecdysteroidogenesis in adult female desert locusts ( <i>Schistocerca</i> ) Tj ETQq1 1 0.784314 rgBT /Ove<br>0.9 27  | 0.9 | 27        |
| 68 | Synthesis and biological evaluation of compact, conformationally constrained bifunctional opioid agonist â€œ Neurokinin-1 antagonist peptidomimetics. <i>European Journal of Medicinal Chemistry</i> , 2015, 92, 64-77.     | 2.6 | 27        |
| 69 | Pharmacological characterization of STKR, an insect G protein-coupled receptor for tachykinin-like peptides. <i>Archives of Insect Biochemistry and Physiology</i> , 2001, 48, 39-49.                                       | 0.6 | 26        |
| 70 | Regulation of <i>Schistocerca gregaria</i> neuroparsin transcript levels by juvenile hormone and 20-hydroxyecdysone. <i>Archives of Insect Biochemistry and Physiology</i> , 2006, 62, 107-115.                             | 0.6 | 26        |
| 71 | Functional comparison of two evolutionary conserved insect neurokinin-like receptors. <i>Peptides</i> , 2007, 28, 103-108.  | 1.2 | 26        |
| 72 | Silencing <i>D. melanogaster</i> <i>lgr1</i> impairs transition from larval to pupal stage. <i>General and Comparative Endocrinology</i> , 2014, 209, 135-147.  | 0.8 | 26        |

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|----|---|-----|-----------|
| 73 | Insights into RNAi-based antiviral immunity in Lepidoptera: acute and persistent infections in <i>Bombyx mori</i> and <i>Trichoplusia ni</i> cell lines. <i>Scientific Reports</i> , 2018, 8, 2423.                   | 1.6 | 26        |
| 74 | Systemic RNA interference in locusts: reverse genetics and possibilities for locust pest control. <i>Current Opinion in Insect Science</i> , 2014, 6, 9-14.   | 2.2 | 25        |
| 75 | First draft genome assembly of the desert locust, <i>Schistocerca gregaria</i> . <i>F1000Research</i> , 2020, 9, 775.   | 0.8 | 24        |
| 76 | Pharmacological and signalling properties of a D2-like dopamine receptor (Dop3) in <i>Tribolium castaneum</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2015, 56, 9-20.                                    | 1.2 | 23        |
| 77 | Persistent RNA virus infection of lepidopteran cell lines: Interactions with the RNAi machinery. <i>Journal of Insect Physiology</i> , 2016, 93-94, 81-93.  | 0.9 | 23        |
| 78 | Accelerated delivery of dsRNA in lepidopteran midgut cells by a <i>Galanthus nivalis</i> lectin (GNA)-dsRNA-binding domain fusion protein. <i>Pesticide Biochemistry and Physiology</i> , 2021, 175, 104853.          | 1.6 | 23        |
| 79 | Analysis of C-terminally substituted tachykinin-like peptide agonists by means of aequorin-based luminescent assays for human and insect neurokinin receptors. <i>Biochemical Pharmacology</i> , 2002, 63, 1675-1682. | 2.0 | 22        |
| 80 | Sex peptides and MIPs can activate the same G protein-coupled receptor. <i>General and Comparative Endocrinology</i> , 2013, 188, 137-143.  | 0.8 | 21        |
| 81 | Juvenile Hormone receptor Met is essential for ovarian maturation in the Desert Locust, <i>Schistocerca gregaria</i> . <i>Scientific Reports</i> , 2019, 9, 10797.  | 1.6 | 21        |
| 82 | Characterisation of a functional allatotropin receptor in the bumblebee, <i>Bombus terrestris</i> (Hymenoptera, Apidae). <i>General and Comparative Endocrinology</i> , 2013, 193, 193-200.                           | 0.8 | 20        |
| 83 | Dual Alleviation of Acute and Neuropathic Pain by Fused Opioid Agonist-Neurokinin 1 Antagonist Peptidomimetics. <i>ACS Medicinal Chemistry Letters</i> , 2015, 6, 1209-1214.  | 1.3 | 20        |
| 84 | Role of peptide hormones in insect gut physiology. <i>Current Opinion in Insect Science</i> , 2020, 41, 71-78.  | 2.2 | 20        |
| 85 | Transcriptional Analysis of The Adaptive Digestive System of The Migratory Locust in Response to Plant Defensive Protease Inhibitors. <i>Scientific Reports</i> , 2016, 6, 32460.                                     | 1.6 | 19        |
| 86 | Substitution of conserved glycine residue by alanine in natural and synthetic neuropeptide ligands causes partial agonism at the stomoxytachykinin receptor. <i>Journal of Neurochemistry</i> , 2004, 90, 472-478.    | 2.1 | 18        |
| 87 | Insect Neuropeptides and Their Receptors. <i>Trends in Endocrinology and Metabolism</i> , 1997, 8, 321-326.   | 3.1 | 17        |
| 88 | Pharmacology of stomoxytachykinin receptor depends on second messenger system. <i>Peptides</i> , 2005, 26, 109-114.   | 1.2 | 17        |
| 89 | The presence of extracellular microRNAs in the media of cultured <i>Drosophila</i> cells. <i>Scientific Reports</i> , 2018, 8, 17312.   | 1.6 | 17        |
| 90 | Short-term persistence precedes pathogenic infection: Infection kinetics of cricket paralysis virus in silkworm-derived Bm5 cells. <i>Journal of Insect Physiology</i> , 2019, 115, 1-11.                             | 0.9 | 17        |

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|-----|---|-----|-----------|
| 91  | Microbial quality of edible grasshoppers <i>Ruspolia differens</i> (Orthoptera: Tettigoniidae): From wild harvesting to fork in the Kagera Region, Tanzania. <i>Journal of Food Safety</i> , 2019, 39, e12549.  | 1.1 | 17        |
| 92  | Functional analysis of a pancreatic secretory trypsin inhibitor-like protein in insects: Silencing effects resemble the human pancreatic autodigestion phenotype. <i>Insect Biochemistry and Molecular Biology</i> , 2011, 41, 688-695.   | 1.2 | 16        |
| 93  | Mode of action of allatostatins in the regulation of juvenile hormone biosynthesis in the cockroach, <i>Diploptera punctata</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2014, 54, 61-68.   | 1.2 | 16        |
| 94  | Signaling Properties and Pharmacological Analysis of Two Sulfakinin Receptors from the Red Flour Beetle, <i>Tribolium castaneum</i> . <i>PLoS ONE</i> , 2014, 9, e94502.  | 1.1 | 16        |
| 95  | Comparison of antagonist activity of spantide family at human neurokinin receptors measured by aequorin luminescence-based functional calcium assay. <i>Regulatory Peptides</i> , 2005, 131, 23-28.   | 1.9 | 15        |
| 96  | Molecular cloning and characterization of the SIFamide precursor and receptor in a hymenopteran insect, <i>Bombus terrestris</i> . <i>General and Comparative Endocrinology</i> , 2018, 258, 39-52.   | 0.8 | 15        |
| 97  | Molecular cloning and characterization of the allatotropin precursor and receptor in the desert locust, <i>Schistocerca gregaria</i> . <i>Frontiers in Neuroscience</i> , 2015, 9, 84.  | 1.4 | 14        |
| 98  | Nutrient-dependent control of short neuropeptide F transcript levels via components of the insulin/IGF signaling pathway in the desert locust, <i>Schistocerca gregaria</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2016, 68, 64-70.                                       | 1.2 | 14        |
| 99  | Drosha, Dicer-1 and Argonaute-1 in the desert locust: Phylogenetic analyses, transcript profiling and regulation during phase transition and feeding. <i>Journal of Insect Physiology</i> , 2015, 75, 20-29.  | 0.9 | 12        |
| 100 | Extracellular vesicles spread the RNA interference signal of <i>Tribolium castaneum</i> TcA cells. <i>Insect Biochemistry and Molecular Biology</i> , 2020, 122, 103377.  | 1.2 | 12        |
| 101 | Role of the venus kinase receptor in the female reproductive physiology of the desert locust, <i>Schistocerca gregaria</i> . <i>Scientific Reports</i> , 2017, 7, 11730.  | 1.6 | 11        |
| 102 | Affordable Processing of Edible Orthopterans Provides a Highly Nutritive Source of Food Ingredients. <i>Foods</i> , 2021, 10, 144.  | 1.9 | 11        |
| 103 | Crucial Role of Juvenile Hormone Receptor Components Methoprene-Tolerant and Taiman in Sexual Maturation of Adult Male Desert Locusts. <i>Biomolecules</i> , 2021, 11, 244.   | 1.8 | 11        |
| 104 | Characterization of a novel brain barrier ex vivo insect-based PaCglycoprotein screening model. <i>Pharmacology Research and Perspectives</i> , 2014, 2, e00050.  | 1.1 | 10        |
| 105 | <i>Schistocerca</i> neuropeptides – An update. <i>Journal of Insect Physiology</i> , 2022, 136, 104326.   | 0.9 | 10        |
| 106 | Pleiotropic and novel phenotypes in the <i>Drosophila</i> gut caused by mutation of drop-dead. <i>Journal of Insect Physiology</i> , 2018, 105, 76-84.  | 0.9 | 8         |
| 107 | Precocious Downregulation of Krüppel-Homolog 1 in the Migratory Locust, <i>Locusta migratoria</i> , Gives Rise to An Adultoid Phenotype with Accelerated Ovarian Development but Disturbed Mating and Oviposition. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6058. | 1.8 | 8         |
| 108 | Oxytocin/vasopressin-like neuropeptide signaling in insects. <i>Vitamins and Hormones</i> , 2020, 113, 29-53.   | 0.7 | 8         |

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|-----|---|-----|-----------|
| 109 | Prothoracicostatic Activity of the Ecdysis-Regulating Neuropeptide Crustacean Cardioactive Peptide (CCAP) in the Desert Locust. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13465.   | 1.8 | 8         |
| 110 | RNAi-Mediated Knockdown of Transcription Factor E93 in Nymphs of the Desert Locust ( <i>Schistocerca</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 T<br><i>Journal of Molecular Sciences</i> , 2020, 21, 7518.   | 1.8 | 7         |
| 111 | PIWI Proteins Play an Antiviral Role in Lepidopteran Cell Lines. <i>Viruses</i> , 2022, 14, 1442.   | 1.5 | 7         |
| 112 | Conformational analysis of a cyclic AKH neuropeptide analog that elicits selective activity on locust versus honeybee receptor. <i>Insect Biochemistry and Molecular Biology</i> , 2020, 125, 103362.   | 1.2 | 6         |
| 113 | RNAs on the Go: Extracellular Transfer in Insects with Promising Prospects for Pest Management. <i>Plants</i> , 2021, 10, 484.  | 1.6 | 5         |
| 114 | Assaying Visual Memory in the Desert Locust. <i>Insects</i> , 2015, 6, 409-418.   | 1.0 | 3         |
| 115 | Can BRET-based biosensors be used to characterize G-protein mediated signaling pathways of an insect GPCR, the <i>Schistocerca gregaria</i> CRF-related diuretic hormone receptor?. <i>Insect Biochemistry and Molecular Biology</i> , 2020, 122, 103392. | 1.2 | 3         |
| 116 | Knockdown of ecdysone receptor in male desert locusts affects relative weight of accessory glands and mating behavior. <i>Journal of Insect Physiology</i> , 2022, 138, 104368.   | 0.9 | 3         |
| 117 | Identification and profiling of stable microRNAs in hemolymph of young and old <i>Locusta migratoria</i> fifth instars. <i>Current Research in Insect Science</i> , 2022, 2, 100041.  | 0.8 | 2         |
| 118 | Preface: Insect signal transduction systems: Current knowledge and future directions. <i>Archives of Insect Biochemistry and Physiology</i> , 2006, 62, 105-106.  | 0.6 | 0         |
| 119 | Editorial “ Special issue of the 28th Conference of European Comparative Endocrinologists (CECE-2016) “ Golden Jubilee of the European Society for Comparative Endocrinology (ESCE). <i>General and Comparative Endocrinology</i> , 2018, 258, 1-3.       | 0.8 | 0         |
| 120 | General and comparative endocrinology: Special issue on insect neuroendocrinology and neurobiology. <i>General and Comparative Endocrinology</i> , 2019, 280, 192-193.  | 0.8 | 0         |
| 121 | General and Comparative Endocrinology: Special issue on Insect Neuroendocrinology and Neurobiology. <i>General and Comparative Endocrinology</i> , 2019, 278, 1-2.  | 0.8 | 0         |
| 122 | Effects of <i>Pergularia tomentosa</i> active fraction on the oogenesis of the desert locust, <i>Schistocerca gregaria</i> : ovarian biochemical composition, and effects on the ecdysteroid pathway. <i>Physiological Entomology</i> , 2021, 46, 70-81.  | 0.6 | 0         |
| 123 | Special issue on Invertebrate Peptides. <i>Peptides</i> , 2022, 151, 170750.  | 1.2 | 0         |
| 124 | Structural and biochemical assessment of the molecular binding of hexylresorcinol to insect immune phenoloxidase: A quest for a new insecticidal activity. <i>Entomological Research</i> , 0, , .   | 0.6 | 0         |