# A natural polymorphism alters odour and DEET sensitiv

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| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Chemosensory behaviors of parasites. Trends in Parasitology, 2012, 28, 427-436. | 1.5 | 60 |
| 2 | Odorant receptor modulation: Ternary paradigm for mode of action of insect repellents. Neuropharmacology, 2012, 62, 2086-2095. | 2.0 | 77 |
| 3 | Protective efficacy of menthol propylene glycol carbonate compared to N, N-diethyl-methylbenzamide against mosquito bites in Northern Tanzania. Parasites and Vectors, 2012, 5, 189. | 1.0 | 25 |
| 4 | Lipidomic Profiling of Phosphocholine Containing Brain Lipids in Mice with Sensorimotor Deficits and Anxiety-Like Features After Exposure to Gulf War Agents. NeuroMolecular Medicine, 2012, 14, 349-361. | 1.8 | 79 |
| 5 | Selectivity of odorant receptors in insects. Frontiers in Cellular Neuroscience, 2012, 6, 29. | 1.8 | 35 |
| 6 | Mini review: Mode of action of mosquito repellents. Pesticide Biochemistry and Physiology, 2013, 106, 149-155. | 1.6 | 91 |
| 7 | Gustatory receptor neuron responds to DEET and other insect repellents in the yellow-fever mosquito, Aedes aegypti. Die Naturwissenschaften, 2013, 100, 269-273. | 0.6 | 63 |
| 8 | Odour receptors and neurons for DEET and new insect repellents. Nature, 2013, 502, 507-512. | 13.7 | 135 |
| 9 | Varieties of behavioral natural variation. Current Opinion in Neurobiology, 2013, 23, 24-28. | 2.0 | 6 |
| 10 | Olfactory responses of the antennal trichoid sensilla to chemical repellents in the mosquito, Culex quinquefasciatus. Journal of Insect Physiology, 2013, 59, 1169-1177. | 0.9 | 50 |
| 11 | Four simple stimuli that induce host-seeking and blood-feeding behaviors in two mosquito species, with a clue to DEET's mode of action. Journal of Vector Ecology, 2013, 38, 143-153. | 0.5 | 18 |
| 12 | Interactions of Anopheles gambiae Odorant-binding Proteins with a Human-derived Repellent. Journal of Biological Chemistry, 2013, 288, 4475-4485. | 1.6 | 42 |
| 13 | orco mutant mosquitoes lose strong preference for humans and are not repelled by volatile DEET. Nature, 2013, 498, 487-491. | 13.7 | 388 |
| 14 | Nervous Systems. , 2013, , 529-602. | | 1 |
| 15 | Molecular characterization and immunolocalization of the olfactory coâ€receptor <scp>O</scp>rco from two bloodâ€feeding muscid flies, the stable fly (<scp>S</scp>tomoxys calcitrans,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 182 Molecular Biology, 2013, 22, 131-142. | 1.0 | 10 |
| 16 | From Chemistry to Behavior. Molecular Structure and Bioactivity of Repellents against Ixodes ricinus Ticks. PLoS ONE, 2013, 8, e67832. | 1.1 | 9 |
| 17 | Locomotor Behaviour of Blattella germanica Modified by DEET. PLoS ONE, 2013, 8, e83433. | 1.1 | 9 |
| 18 | How Computational Studies of Mosquito Repellents Contribute to the Control of Vector Borne Diseases. Current Computer-Aided Drug Design, 2013, 9, 300-307. | 0.8 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | â€˜Decision Makingâ€™ in Larval Drosophila. Handbook of Behavioral Neuroscience, 2013, , 41-55. | 0.7 | 12 |
| 20 | Taste Sensation inDrosophila melanoganster. Hanyang Medical Reviews, 2014, 34, 130. | 0.4 | 15 |
| 22 | Sensory coding of olfaction and taste. , 0, , 49-65. | | 1 |
| 23 | The enigmatic reception of DEET â€" the gold standard of insect repellents. Current Opinion in Insect Science, 2014, 6, 93-98. | 2.2 | 102 |
| 24 | Field Evaluation of Picaridin Repellents Reveals Differences in Repellent Sensitivity between Southeast Asian Vectors of Malaria and Arboviruses. PLoS Neglected Tropical Diseases, 2014, 8, e3326. | 1.3 | 32 |
| 25 | Repellence Produced by Monoterpenes on Rhodnius prolixus (Hemiptera: Reduviidae) Decreases After Continuous Exposure to These Compounds. Journal of Insect Science, 2014, 14, . | 0.6 | 8 |
| 27 | Olfactory learning and memory in the disease vector mosquito,Aedes aegypti. Journal of Experimental Biology, 2014, 217, 2321-30. | 0.8 | 54 |
| 28 | Antennal Olfactory Sensilla Responses to Insect Chemical Repellents in the Common Bed Bug, Cimex lectularius. Journal of Chemical Ecology, 2014, 40, 522-533. | 0.9 | 24 |
| 29 | Evolution of mosquito preference for humans linked to an odorant receptor. Nature, 2014, 515, 222-227. | 13.7 | 389 |
| 30 | A Determinant of Odorant Specificity Is Located at the Extracellular Loop 2-Transmembrane Domain 4 Interface of an Anopheles gambiae Odorant Receptor Subunit. Chemical Senses, 2014, 39, 761-769. | 1.1 | 44 |
| 31 | Drosophila Learn Opposing Components of a Compound Food Stimulus. Current Biology, 2014, 24, 1723-1730. | 1.8 | 90 |
| 32 | Bdor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:mo>â§¹</mml:mo></mml:mrow></mml:math>Orco is important for oviposition-deterring behavior induced by both the volatile and non-volatile repellents in Bactrocera dorsalis (Diptera: Tephritidae). Journal of Insect Physiology, 2014, 65, 51-56. | 0.9 | 32 |
| 33 | Terminology of Insect Repellents. , 2014, , 3-30. | | 5 |
| 37 | Cell-free expression, purification and ligand-binding analysis of Drosophila melanogaster olfactory receptors DmOR67a, DmOR85b and DmORCO. Scientific Reports, 2015, 5, 7867. | 1.6 | 20 |
| 38 | Insect olfaction and the evolution of receptor tuning. Frontiers in Ecology and Evolution, 2015, 3, . | 1.1 | 139 |
| 39 | Positive selection in extra cellular domains in the diversification of Strigamia maritima chemoreceptors. Frontiers in Ecology and Evolution, 2015, 3, . | 1.1 | 3 |
| 40 | Evolution of two receptors detecting the same pheromone compound in crop pest moths of the genus Spodoptera. Frontiers in Ecology and Evolution, 2015, 3, . | 1.1 | 35 |
| 41 | The Repellent DEET Potentiates Carbamate Effects via Insect Muscarinic Receptor Interactions: An Alternative Strategy to Control Insect Vector-Borne Diseases. PLoS ONE, 2015, 10, e0126406. | 1.1 | 33 |

| # | Article | IF | Citations |
|---|---|---|---|
| 42 | Inhibition of Anopheles gambiae Odorant Receptor Function by Mosquito Repellents. Journal of Biological Chemistry, 2015, 290, 7961-7972. | 1.6 | 32 |
| 43 | Towards an understanding of the structural basis for insect olfaction by odorant receptors. Insect Biochemistry and Molecular Biology, 2015, 66, 31-41. | 1.2 | 69 |
| 44 | Olfactory Disruption. Progress in Molecular Biology and Translational Science, 2015, 130, 81-108. | 0.9 | 11 |
| 45 | Amino acid coevolution reveals three-dimensional structure and functional domains of insect odorant receptors. Nature Communications, 2015, 6, 6077. | 5.8 | 113 |
| 46 | Repellency of Î±-pinene against the house fly, Musca domestica. Phytochemistry, 2015, 117, 469-475. | 1.4 | 29 |
| 47 | Insensitivity to the Spatial Repellent Action of Transfluthrin in Aedes aegypti: A Heritable Trait Associated with Decreased Insecticide Susceptibility. PLoS Neglected Tropical Diseases, 2015, 9, e0003726. | 1.3 | 56 |
| 48 | The effect of DEET on chemosensing of the honey bee and its parasite Varroa destructor. Apidologie, 2015, 46, 380-391. | 0.9 | 17 |
| 49 | Rapid evolution of chemosensory receptor genes in a pair of sibling species of orchid bees (Apidae:) Tj ETQq1 1 0.784314 rgBT /Overlock | 3.2 | 56 |
| 50 | Identification and functional analysis of olfactory receptor family reveal unusual characteristics of the olfactory system in the migratory locust. Cellular and Molecular Life Sciences, 2015, 72, 4429-4443. | 2.4 | 107 |
| 51 | The mysterious multi-modal repellency of DEET. Fly, 2015, 9, 45-51. | 0.9 | 73 |
| 52 | Diversification of the ant odorant receptor gene family and positive selection on candidate cuticular hydrocarbon receptors. BMC Research Notes, 2015, 8, 380. | 0.6 | 58 |
| 53 | Prior Exposure to DEET Interrupts Positive and Negative Responses to Olfactory Cues in Drosophila Melanogaster. Journal of Insect Behavior, 2015, 28, 1-14. | 0.4 | 2 |
| 54 | Modulation of the behavioral and electrical responses to the repellent DEET elicited by the pre-exposure to the same compound inBlattella germanica. PeerJ, 2016, 4, e2150. | 0.9 | 7 |
| 55 | Disruption of Mosquito Olfaction. , 2016, , 227-252. | | 0 |
| 56 | A Sex Pheromone Receptor in the Hessian Fly Mayetiola destructor (Diptera, Cecidomyiidae). Frontiers in Cellular Neuroscience, 2016, 10, 212. | 1.8 | 38 |
| 57 | Neuroethology of Olfactory-Guided Behavior and Its Potential Application in the Control of Harmful Insects. Frontiers in Physiology, 2016, 7, 271. | 1.3 | 42 |
| 58 | On the Air: Broadcasting and Reception of Volatile Messages in Brood-Site Pollination Mutualisms. Signaling and Communication in Plants, 2016, , 227-255. | 0.5 | 9 |
| 59 | Antennal transcriptome analysis and expression profiles of odorant binding proteins in Eogystia hippophaecolus (Lepidoptera: Cossidae). BMC Genomics, 2016, 17, 651. | 1.2 | 36 |

| # | Article | IF | Citations |
|---|---|---|---|
| 60 | Repellent activity of the creams formulated from Annona senegalensis and Boswellia dalzielii leaf fractions and essential oils against Anopheles gambiae (Diptera: Culicidae). Asian Pacific Journal of Tropical Disease, 2016, 6, 973-978. | 0.5 | 5 |
| 61 | Olfactory Mechanisms for Discovery of Odorants to Reduce Insect-Host Contact. Journal of Chemical Ecology, 2016, 42, 919-930. | 0.9 | 28 |
| 62 | Deciphering Chemical Language of Plant Communication. Signaling and Communication in Plants, 2016, , . | 0.5 | 18 |
| 63 | Effects of Preexposure to DEET on the Downstream Blood-Feeding Behaviors ofAedes aegypti(Diptera: Culicidae) Mosquitoes. Journal of Medical Entomology, 2016, 53, 1100-1104. | 0.9 | 11 |
| 64 | Efficacy of the repellent N,N-diethyl-3-methyl-benzamide (DEET) against tabanid flies on horses evaluated in a field test in Switzerland. Veterinary Parasitology, 2016, 221, 64-67. | 0.7 | 6 |
| 65 | Responses of the aquatic midge Chironomus riparius to DEET exposure. Aquatic Toxicology, 2016, 172, 80-85. | 1.9 | 44 |
| 66 | Are insect repellents toxic to freshwater insects? A case study using caddisflies exposed to DEET. Chemosphere, 2016, 149, 177-182. | 4.2 | 26 |
| 67 | Cambrian trilobites as archives for Anthropocene biomarkers and other chemical compounds. Anthropocene, 2017, 17, 99-106. | 1.6 | 2 |
| 68 | Quantitative structureâ€“activity relationship study of amide mosquito repellents. SAR and QSAR in Environmental Research, 2017, 28, 341-353. | 1.0 | 3 |
| 69 | Mini review: Gustatory reception of chemicals affecting host feeding in aedine mosquitoes. Pesticide Biochemistry and Physiology, 2017, 142, 15-20. | 1.6 | 14 |
| 70 | Medicinal Plants and Environmental Challenges. , 2017, , . | | 37 |
| 71 | Mutant cycle analysis identifies a ligand interaction site in an odorant receptor of the malaria vector Anopheles gambiae. Journal of Biological Chemistry, 2017, 292, 18916-18923. | 1.6 | 15 |
| 72 | Plant Derived Essential Oils Against Aedes aegypti L. and Their Biotechnological Production. , 2017, , 345-357. | | 4 |
| 73 | Prospects for malaria control through manipulation of mosquito larval habitats and olfactory-mediated behavioural responses using plant-derived compounds. Parasites and Vectors, 2017, 10, 184. | 1.0 | 32 |
| 74 | The Evolutionary Dynamics of the Odorant Receptor Gene Family in Corbiculate Bees. Genome Biology and Evolution, 2017, 9, 2023-2036. | 1.1 | 44 |
| 75 | Molecular Basis of N,N-Diethyl-3-Methylbenzamide (DEET) in Repelling the Common Bed Bug, Cimex lectularius. Frontiers in Physiology, 2017, 8, 418. | 1.3 | 10 |
| 76 | Current and Future Repellent Technologies: The Potential of Spatial Repellents and Their Place in Mosquito-Borne Disease Control. International Journal of Environmental Research and Public Health, 2017, 14, 124. | 1.2 | 112 |
| 77 | Two single-point mutations shift the ligand selectivity of a pheromone receptor between two closely related moth species. ELife, 2017, 6, . | 2.8 | 63 |

| # | Article | IF | Citations |
|---|---|---|---|
| 78 | Endogenous insensitivity to the Orco agonist VUAA1 reveals novel olfactory receptor complex properties in the specialist fly Mayetiola destructor. Scientific Reports, 2018, 8, 3489. | 1.6 | 36 |
| 79 | Unusual modes of action of the repellent DEET in insects highlight some human side effects. European Journal of Pharmacology, 2018, 825, 92-98. | 1.7 | 29 |
| 80 | Hemimetabolous genomes reveal molecular basis of termite eusociality. Nature Ecology and Evolution, 2018, 2, 557-566. | 3.4 | 223 |
| 81 | Comparison of single cell sensitivities to acetone, 1-octen-3-ol and 3-methylphenol in the riverine tsetse species Glossina fuscipes fuscipes and G. palpalis palpalis. Journal of Insect Physiology, 2018, 107, 144-151. | 0.9 | 7 |
| 82 | A natural variant and engineered mutation in a GPCR promote DEET resistance in C. elegans. Nature, 2018, 562, 119-123. | 13.7 | 18 |
| 83 | Evolutionary ecology of chemosensation and its role in sensory drive. Environmental Epigenetics, 2018, 64, 525-533. | 0.9 | 42 |
| 84 | Identification of novel bioinspired synthetic mosquito repellents by combined ligand-based screening and OBP-structure-based molecular docking. Insect Biochemistry and Molecular Biology, 2018, 98, 48-61. | 1.2 | 32 |
| 85 | Effect of the Topical Repellent para-Menthane-3,8-diol on Blood Feeding Behavior and Fecundity of the Dengue Virus Vector Aedes aegypti. Insects, 2018, 9, 60. | 1.0 | 5 |
| 86 | Scaling the interactive effects of attractive and repellent odours for insect search behaviour. Scientific Reports, 2019, 9, 15309. | 1.6 | 13 |
| 87 | Commonly Used Insect Repellents Hide Human Odors from Anopheles Mosquitoes. Current Biology, 2019, 29, 3669-3680.e5. | 1.8 | 63 |
| 88 | Aedes aegypti Mosquitoes Use Their Legs to Sense DEET on Contact. Current Biology, 2019, 29, 1551-1556.e5. | 1.8 | 79 |
| 89 | Cell-free expression, purification and characterization of Drosophila melanogaster odorant receptor OR42a and its co-receptor. Protein Expression and Purification, 2019, 159, 27-33. | 0.6 | 5 |
| 90 | Highâ€throughput screening method for evaluating spatial repellency and vapour toxicity to mosquitoes. Medical and Veterinary Entomology, 2019, 33, 388-396. | 0.7 | 21 |
| 91 | Use of machine learning to identify novel, behaviorally active antagonists of the insect odorant receptor co-receptor (Orco) subunit. Scientific Reports, 2019, 9, 4055. | 1.6 | 31 |
| 92 | Massive Loss of Olfactory Receptors But Not Trace Amine-Associated Receptors in the Worldâ€™s Deepest-Living Fish (Pseudoliparis swirei). Genes, 2019, 10, 910. | 1.0 | 12 |
| 93 | Molecular evidence for the inhibition of cytochrome p450s and cholinesterases in ticks by the repellent DEET. Ticks and Tick-borne Diseases, 2019, 10, 515-522. | 1.1 | 12 |
| 94 | Molecular Evolution of the Major Arthropod Chemoreceptor Gene Families. Annual Review of Entomology, 2019, 64, 227-242. | 5.7 | 156 |
| 95 | Multiple channels of DEET repellency in Drosophila. Pest Management Science, 2020, 76, 880-887. | 1.7 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 96 | Natural insensitivity and the effects of concentration on the repellency and survival of American dog ticks (Dermacentor variabilis) by DEET. Experimental and Applied Acarology, 2020, 82, 379-395. | 0.7 | 2 |
| 97 | Carboxylic acid responses by a conserved odorant receptor in culicine vector mosquitoes. Insect Molecular Biology, 2020, 29, 523-530. | 1.0 | 4 |
| 98 | Chemosensory and Behavioural Responses of Ixodes scapularis to Natural Products: Role of Chemosensory Organs in Volatile Detection. Insects, 2020, 11, 502. | 1.0 | 17 |
| 99 | Cellular and molecular mechanisms of DEET toxicity and disease-carrying insect vectors: a review. Genes and Genomics, 2020, 42, 1131-1144. | 0.5 | 11 |
| 100 | Olfactory receptor and circuit evolution promote host specialization. Nature, 2020, 579, 402-408. | 13.7 | 131 |
| 101 | Orthosteric muscarinic receptor activation by the insect repellent IR3535 opens new prospects in insecticide-based vector control. Scientific Reports, 2020, 10, 6842. | 1.6 | 15 |
| 102 | Electroantennogram reveals a strong correlation between the passion of honeybee and the properties of the volatile. Brain and Behavior, 2020, 10, e01603. | 1.0 | 9 |
| 103 | Insect repellents mediate species-specific olfactory behaviours in mosquitoes. Malaria Journal, 2020, 19, 127. | 0.8 | 39 |
| 104 | Olfaction inAnophelesmosquitoes. Chemical Senses, 2021, 46, . | 1.1 | 26 |
| 105 | Drosophilasensory receptorsâ€”a set of molecular Swiss Army Knives. Genetics, 2021, 217, 1-34. | 1.2 | 48 |
| 106 | Putative ligand binding sites of two functionally characterized bark beetle odorant receptors. BMC Biology, 2021, 19, 16. | 1.7 | 46 |
| 107 | Firefly tourism: Advancing a global phenomenon toward a brighter future. Conservation Science and Practice, 2021, 3, e391. | 0.9 | 17 |
| 108 | Impacts of OrX and cAMP-insensitive Orco to the insect olfactory heteromer activity. Molecular Biology Reports, 2021, 48, 4549-4561. | 1.0 | 4 |
| 109 | Analysis by GC (Ir), GC/MS and mosquito repellent effect of essential oils against Anopheles gambiae: Case of stem bark of Sterculia tragacantha Lindl (Sterculiaceae) from Cte dIvoire. Journal of Medicinal Plants Research, 2021, 15, 309-320. | 0.2 | 1 |
| 110 | Sodium channel activation underlies transfluthrin repellency in Aedes aegypti. PLoS Neglected Tropical Diseases, 2021, 15, e0009546. | 1.3 | 17 |
| 111 | The Olfactory Chemosensation of Hematophagous Hemipteran Insects. Frontiers in Physiology, 2021, 12, 703768. | 1.3 | 4 |
| 112 | Insights into a receptor that lets insects sense scents. Nature, 2021, 597, 37-39. | 13.7 | 0 |
| 113 | Transcriptional profiling of Dermacentor variabilis (Acari: Ixodidae) provides insights into the role of the Haller's organ in spatial DEET recognition. Ticks and Tick-borne Diseases, 2022, 13, 101827. | 1.1 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 114 | A single point mutation causes one-way alteration of pheromone receptor function in two Heliothis species. IScience, 2021, 24, 102981. | 1.9 | 10 |
| 121 | Identification of New Agonists and Antagonists of the Insect Odorant Receptor Co-Receptor Subunit. PLoS ONE, 2012, 7, e36784. | 1.1 | 60 |
| 122 | Extracellular Modulation of the Silkmoth Sex Pheromone Receptor Activity by Cyclic Nucleotides. PLoS ONE, 2013, 8, e63774. | 1.1 | 7 |
| 123 | Phenylthiophenecarboxamide Antagonists of the Olfactory Receptor Co-Receptor Subunit from a Mosquito. PLoS ONE, 2013, 8, e84575. | 1.1 | 20 |
| 124 | Identification and Differential Expression of a Candidate Sex Pheromone Receptor in Natural Populations of Spodoptera litura. PLoS ONE, 2015, 10, e0131407. | 1.1 | 7 |
| 125 | Inhibition of insect olfactory behavior by an airborne antagonist of the insect odorant receptor co-receptor subunit. PLoS ONE, 2017, 12, e0177454. | 1.1 | 9 |
| 126 | BiteOscope, an open platform to study mosquito biting behavior. ELife, 2020, 9, . | 2.8 | 31 |
| 127 | Molecular mechanism underlying CO<sub>2</sub> sensing in the olfactory system. Journal of Japan Association on Odor Environment, 2015, 46, 209-217. | 0.1 | 0 |
| 128 | Arthropods of Medical Importance. , 0, , 2505-2525. | | 0 |
| 133 | Cellular and molecular basis of <scp>IR3535</scp> perception in <scp>Drosophila</scp>. Pest Management Science, 2022, 78, 793-802. | 1.7 | 11 |
| 134 | Multimodal mechanisms of repellency in arthropods. , 2022, , 113-130. | | 2 |
| 135 | Repellency Effect of Essential Oils of some Native Plants and Synthetic Repellents against Human Flea, (Siphonaptera: Pulicidae). Journal of Arthropod-Borne Diseases, 2017, 11, 105-115. | 0.9 | 5 |
| 136 | Cellulose Hydrogels Containing Geraniol and Icaridin Encapsulated in Zein Nanoparticles for Arbovirus Control. ACS Applied Bio Materials, 2022, 5, 1273-1283. | 2.3 | 5 |
| 137 | Computational investigation of aphid odorant receptor structure and binding function. Journal of Biomolecular Structure and Dynamics, 2023, 41, 3647-3658. | 2.0 | 3 |
| 139 | Protocol to identify ligands of odorant receptors using two-electrode voltage clamp combined with the Xenopus oocytes heterologous expression system. STAR Protocols, 2022, 3, 101249. | 0.5 | 6 |
| 140 | Repellent activity of transâ€anethole and tea tree oil against Aedes aegypti and their interaction with <scp>OBP1</scp>, a protein involved in olfaction. Entomologia Experimentalis Et Applicata, 2022, 170, 547-554. | 0.7 | 4 |
| 141 | Enantiomeric Discrimination in Insects: The Role of OBPs and ORs. Insects, 2022, 13, 368. | 1.0 | 14 |
| 142 | Genome-wide identification and expression profiling of odorant receptor genes in the malaria vector Anopheles sinensis. Parasites and Vectors, 2022, 15, 143. | 1.0 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 143 | A Combined Computational Methodology for the Discovery of Hit Compounds with Putative Insect Repellency Properties. ChemMedChem, 2022, 17, . | 1.6 | 3 |
| 144 | Dual assessment of transcriptional and metabolomic responses in the American dog tick following exposure to different pesticides and repellents. Ticks and Tick-borne Diseases, 2022, 13, 102033. | 1.1 | 2 |
| 145 | Nervous systems. , 2023, , 527-605. | | 0 |
| 147 | The oviposition cue indole inhibits animal host attraction in Aedes aegypti (Diptera: Culicidae) mosquitoes. Parasites and Vectors, 2022, 15, . | 1.0 | 3 |
| 148 | Functional conservation of Anopheline linalool receptors through 100 million years of evolution. Chemical Senses, 2022, 47, . | 1.1 | 1 |
| 149 | Differentiation of action mechanisms between natural and synthetic repellents through neuronal electroantennogram and proteomic in Aedes aegypti (Diptera: Culicidae). Scientific Reports, 2022, 12, . | 1.6 | 0 |
| 150 | Drosophila olfaction: past, present and future. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, . | 1.2 | 6 |
| 151 | Chapter 34: Repellents for mosquito-borne disease control: beyond the repellency effect. , 2022, , 879-911. | | 4 |
| 152 | Single amino acid residue mediates reciprocal specificity in two mosquito odorant receptors. ELife, 0, 11, . | 2.8 | 1 |
| 153 | The structure of AgamOBP5 in complex with the natural insect repellents Carvacrol and Thymol: Crystallographic, fluorescence and thermodynamic binding studies. International Journal of Biological Macromolecules, 2023, 237, 124009. | 3.6 | 6 |
| 157 | DEET (N,N-Diethyl-m-toluamide). , 2024, , 497-509. | | 0 |
| 159 | The power of Drosophila genetics in studying insect toxicology and chemical ecology. , 2023, 1, . | | 0 |