# Baldwyn Torto

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4828206/publications.pdf

Version: 2024-02-01

| | | | |
|---|---|---|---|
| 153 papers | 4,059 citations | 109321 35 h-index | 189892 50 g-index |
| 160 all docs | 160 docs citations | 160 times ranked | 3905 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Odorants that Induce Hygienic Behavior in Honeybees: Identification of Volatile Compounds in Chalkbrood-Infected Honeybee Larvae. Journal of Chemical Ecology, 2009, 35, 1108-1116. | 1.8 | 117 |
| 2 | Aggregation pheromone system of adult gregarious desert locust schistocerca gregaria (forskal). Journal of Chemical Ecology, 1994, 20, 1749-1762. | 1.8 | 116 |
| 3 | Behavioural response of the malaria vector Anopheles gambiae to host plant volatiles and synthetic blends. Parasites and Vectors, 2012, 5, 234. | 2.5 | 103 |
| 4 | Evaluation of the Distribution and Impacts of Parasites, Pathogens, and Pesticides on Honey Bee (Apis) Tj ETQq0 0 0 rgBT /Overlock 10 T | 2.5 | 103 |
| 5 | Parasitic nematode Meloidogyne incognita interactions with different Capsicum annum cultivars reveal the chemical constituents modulating root herbivory. Scientific Reports, 2017, 7, 2903. | 3.3 | 86 |
| 6 | Effects of rhizobia and arbuscular mycorrhizal fungi on yield, size distribution and fatty acid of soybean seeds grown under drought stress. Microbiological Research, 2021, 242, 126640. | 5.3 | 86 |
| 7 | Aggregation pheromone system of nymphal gregarious desert locust,Schistocerca gregaria (forskÃ¥l). Journal of Chemical Ecology, 1996, 22, 2273-2281. | 1.8 | 85 |
| 8 | Multitrophic interaction facilitates parasite-host relationship between an invasive beetle and the honey bee. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 8374-8378. | 7.1 | 85 |
| 9 | Volatile phytochemicals as mosquito semiochemicals. Phytochemistry Letters, 2014, 8, 196-201. | 1.2 | 76 |
| 10 | Rice volatiles lure gravid malaria mosquitoes, Anopheles arabiensis. Scientific Reports, 2016, 6, 37930. | 3.3 | 66 |
| 11 | Occurrence and risk assessment of organic micropollutants in freshwater systems within the Lake Victoria South Basin, Kenya. Science of the Total Environment, 2020, 714, 136748. | 8.0 | 66 |
| 12 | 2021 Taxonomic update of phylum Negarnaviricota (Riboviria: Orthornavirae), including the large orders Bunyavirales and Mononegavirales. Archives of Virology, 2021, 166, 3513-3566. | 2.1 | 62 |
| 13 | Discovery of an oviposition attractant for gravid malaria vectors of the Anopheles gambiae species complex. Malaria Journal, 2015, 14, 119. | 2.3 | 60 |
| 14 | Elicitation of Differential Responses in the Root-Knot Nematode Meloidogyne incognita to Tomato Root Exudate Cytokinin, Flavonoids, and Alkaloids. Journal of Agricultural and Food Chemistry, 2018, 66, 11291-11300. | 5.2 | 60 |
| 15 | Chemical composition of Cupressus lusitanica and Eucalyptus saligna leaf essential oils and bioactivity against major insect pests of stored food grains. Industrial Crops and Products, 2016, 82, 51-62. | 5.2 | 58 |
| 16 | Prediction of breeding regions for the desert locust Schistocerca gregaria in East Africa. Scientific Reports, 2020, 10, 11937. | 3.3 | 57 |
| 17 | Aflatoxin Contamination Detected in Nutrient and Anti-Oxidant Rich Edible Stink Bug Stored in Recycled Grain Containers. PLoS ONE, 2016, 11, e0145914. | 2.5 | 56 |
| 18 | Plasmodium falciparum Infection Increases Anopheles gambiae Attraction to Nectar Sources and Sugar Uptake. Current Biology, 2014, 24, 217-221. | 3.9 | 55 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Volatile biomarkers of symptomatic and asymptomatic malaria infection in humans. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5780-5785. | 7.1 | 55 |
| 20 | Host plant forensics and olfactory-based detection in Afro-tropical mosquito disease vectors. PLoS Neglected Tropical Diseases, 2018, 12, e0006185. | 3.0 | 52 |
| 21 | A scientific note onVarroa destructorfound in East Africa; threat or opportunity?. Apidologie, 2010, 41, 463-465. | 2.0 | 51 |
| 22 | Response of the small hive beetle (Aethina tumida) to a blend of chemicals identified from honeybee (Apis mellifera) volatiles. Apidologie, 2005, 36, 523-532. | 2.0 | 49 |
| 23 | New Mosquito Larvicidal Tetranortriterpenoids fromTurraea wakefieldiiandTurraea floribunda. Journal of Agricultural and Food Chemistry, 2004, 52, 5027-5031. | 5.2 | 48 |
| 24 | Toxicity of six plant extracts and two pyridone alkaloids from Ricinus communis against the malaria vector Anopheles gambiae. Parasites and Vectors, 2014, 7, 312. | 2.5 | 48 |
| 25 | Identification of Key Root Volatiles Signaling Preference of Tomato over Spinach by the Root Knot Nematode Meloidogyne incognita. Journal of Agricultural and Food Chemistry, 2018, 66, 7328-7336. | 5.2 | 48 |
| 26 | Chemistry and Sensory Characterization of a Bakery Product Prepared with Oils from African Edible Insects. Foods, 2020, 9, 800. | 4.3 | 48 |
| 27 | Potential of the Desert Locust Schistocerca gregaria (Orthoptera: Acrididae) as an Unconventional Source of Dietary and Therapeutic Sterols. PLoS ONE, 2015, 10, e0127171. | 2.5 | 47 |
| 28 | Development and Assessment of Plant-Based Synthetic Odor Baits for Surveillance and Control of Malaria Vectors. PLoS ONE, 2014, 9, e89818. | 2.5 | 46 |
| 29 | Effects of shifting to crowded or solitary conditions on pheromone release and morphometrics of the desert locust, Schistocerca gregaria (ForskÃ¥l) (Orthoptera: Acrididae). Journal of Insect Physiology, 1996, 42, 771-776. | 2.0 | 45 |
| 30 | Studies on the maturation-accelerating pheromone of the desert locustSchistocerca gregaria (Orthoptera: Acrididae). Chemoecology, 1993, 4, 159-164. | 1.1 | 44 |
| 31 | Response of the small hive beetle (Aethina tumida) to honey bee (Apis mellifera) and beehive-produced volatiles. Apidologie, 2003, 34, 525-533. | 2.0 | 43 |
| 32 | Common Host-Derived Chemicals Increase Catches of Disease-Transmitting Mosquitoes and Can Improve Early Warning Systems for Rift Valley Fever Virus. PLoS Neglected Tropical Diseases, 2013, 7, e2007. | 3.0 | 43 |
| 33 | Sweet attraction: sugarcane pollen-associated volatiles attract gravid Anopheles arabiensis. Malaria Journal, 2018, 17, 90. | 2.3 | 43 |
| 34 | Plant growth-promoting rhizobacteria do not pose any deleterious effect on cowpea and detectable amounts of ethylene are produced. World Journal of Microbiology and Biotechnology, 2007, 23, 747-752. | 3.6 | 41 |
| 35 | Insights into malaria transmission among Anopheles funestus mosquitoes, Kenya. Parasites and Vectors, 2018, 11, 577. | 2.5 | 39 |
| 36 | Coffee Berry Borer Joins Bark Beetles in Coffee Klatch. PLoS ONE, 2013, 8, e74277. | 2.5 | 39 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Hygienic and grooming behaviors in African and European honeybeesâ€"New damage categories in Varroa destructor. PLoS ONE, 2017, 12, e0179329. | 2.5 | 38 |
| 38 | Ring A-seco mosquito larvicidal limonoids from Turraea wakefieldii. Phytochemistry, 2003, 64, 817-823. | 2.9 | 37 |
| 39 | Interactions Among Plants, Insects, and Microbes: Elucidation of Inter-Organismal Chemical Communications in Agricultural Ecology. Journal of Agricultural and Food Chemistry, 2018, 66, 6663-6674. | 5.2 | 37 |
| 40 | The Invasive American Weed Parthenium hysterophorus Can Negatively Impact Malaria Control in Africa. PLoS ONE, 2015, 10, e0137836. | 2.5 | 34 |
| 41 | Management of Cyst and Root Knot Nematodes: A Chemical Ecology Perspective. Journal of Agricultural and Food Chemistry, 2018, 66, 8672-8678. | 5.2 | 34 |
| 42 | Effects of Fifth-Instar Volatiles on Sexual Maturation of Adult Desert Locust Schistocerca gregaria. Journal of Chemical Ecology, 1997, 23, 1373-1388. | 1.8 | 33 |
| 43 | AN EFFECTIVE TRAP AND BAIT COMBINATION FOR MONITORING THE SMALL HIVE BEETLE, AETHINA TUMIDA (COLEOPTERA: NITIDULIDAE). Florida Entomologist, 2007, 90, 404-406. | 0.5 | 33 |
| 44 | Detection and characterization ofKodamaea ohmeriassociated with small hive beetleAethina tumidainfesting honey bee hives. Journal of Apicultural Research, 2008, 47, 194-201. | 1.5 | 32 |
| 45 | Population Genetics of Two Key Mosquito Vectors of Rift Valley Fever Virus Reveals New Insights into the Changing Disease Outbreak Patterns in Kenya. PLoS Neglected Tropical Diseases, 2014, 8, e3364. | 3.0 | 31 |
| 46 | Pesticide pollution in freshwater paves the way for schistosomiasis transmission. Scientific Reports, 2020, 10, 3650. | 3.3 | 31 |
| 47 | Composition of volatiles from fermenting pollen dough and attractiveness to the small hive beetleAethina tumida, a parasite of the honeybeeApismellifera. Apidologie, 2007, 38, 380-389. | 2.0 | 30 |
| 48 | Identification of Methyl Farnesoate from the Hemolymph of Insects. Journal of Natural Products, 2014, 77, 402-405. | 3.0 | 29 |
| 49 | An improved odor bait for monitoring populations of Aedes aegypti-vectors of dengue and chikungunya viruses in Kenya. Parasites and Vectors, 2015, 8, 253. | 2.5 | 29 |
| 50 | Title is missing!. Journal of Chemical Ecology, 1999, 25, 1029-1042. | 1.8 | 28 |
| 51 | Responses of nymphs of desert locust,Schistocerca gregaria to volatiles of plants used as rearing diet. Chemoecology, 1996, 7, 172-178. | 1.1 | 27 |
| 52 | The nature of the gregarizing signal responsible for maternal transfer of phase to the offspring in the desert locust Schistocerca gregaria. Journal of Chemical Ecology, 2001, 27, 1423-1435. | 1.8 | 27 |
| 53 | Elucidation of the biosynthesis of the di-C-glycosylflavone isoschaftoside, an allelopathic component from Desmodium spp. that inhibits Striga spp. development. Phytochemistry, 2012, 84, 169-176. | 2.9 | 27 |
| 54 | Differences in essential oil content of berries and leaves of Solanum sarrachoides (Solanaceae) and the effects on oviposition of the tomato spider mite (Tetranychus evansi). Industrial Crops and Products, 2013, 46, 73-79. | 5.2 | 26 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Responses of the ambrosia beetle Xylosandrus compactus (Coleoptera: Curculionidea: Scolytinae) to volatile constituents of its symbiotic fungus Fusarium solani (Hypocreales: Nectriaceae). Arthropod-Plant Interactions, 2018, 12, 9-20. | 1.1 | 26 |
| 56 | Residual contact toxicity and repellence of Cupressus lusitanica Miller and Eucalyptus saligna Smith essential oils against major stored product insect pests. Industrial Crops and Products, 2017, 110, 65-74. | 5.2 | 25 |
| 57 | Sand Flyâ€"Associated Phlebovirus with Evidence of Neutralizing Antibodies in Humans, Kenya. Emerging Infectious Diseases, 2019, 25, 681-690. | 4.3 | 25 |
| 58 | Egg-laying decisions based on olfactory cues enhance offspring fitness in Stomoxys calcitrans L. (Diptera: Muscidae). Scientific Reports, 2019, 9, 3850. | 3.3 | 25 |
| 59 | Linalool oxide: generalist plant based lure for mosquito disease vectors. Parasites and Vectors, 2015, 8, 581. | 2.5 | 24 |
| 60 | Toxic Ipomeamarone Accumulation in Healthy Parts of Sweetpotato (Ipomoea batatas L. Lam) Storage Roots upon Infection by Rhizopus stolonifer. Journal of Agricultural and Food Chemistry, 2015, 63, 335-342. | 5.2 | 24 |
| 61 | Low fertility, fecundity and numbers of mated female offspring explain the lower reproductive success of the parasitic mite Varroa destructor in African honeybees. Parasitology, 2018, 145, 1633-1639. | 1.5 | 24 |
| 62 | Independent and interactive effect of plant- and mammalian- based odors on the response of the malaria vector, Anopheles gambiae. Acta Tropica, 2018, 185, 98-106. | 2.0 | 24 |
| 63 | Steroidal glycoalkaloids: chemical defence of edible African nightshades against the tomato red spider mite, Tetranychus evansi (Acari: Tetranychidae). Pest Management Science, 2016, 72, 828-836. | 3.4 | 23 |
| 64 | The Nonartemisinin Sesquiterpene Lactones Parthenin and Parthenolide Block Plasmodium falciparum Sexual Stage Transmission. Antimicrobial Agents and Chemotherapy, 2016, 60, 2108-2117. | 3.2 | 23 |
| 65 | Field evaluation of natural human odours and the biogent-synthetic lure in trapping Aedes aegypti, vector of dengue and chikungunya viruses in Kenya. Parasites and Vectors, 2014, 7, 451. | 2.5 | 22 |
| 66 | Mosquito host choices on livestock amplifiers of Rift Valley fever virus in Kenya. Parasites and Vectors, 2016, 9, 184. | 2.5 | 22 |
| 67 | Mosquito larvicidal activity of Cassia tora seed extract and its key anthraquinones aurantio-obtusin and obtusin. Parasites and Vectors, 2017, 10, 562. | 2.5 | 22 |
| 68 | Trophic Habits ofAethina tumida(Coleoptera: Nitidulidae): Their Adaptive Significance and Relevance to Dispersal. Environmental Entomology, 2009, 38, 561-568. | 1.4 | 21 |
| 69 | Monitoring Aethina tumida (Coleoptera: Nitidulidae) With Baited Bottom Board Traps: Occurrence and Seasonal Abundance in Honey Bee Colonies in Kenya. Environmental Entomology, 2010, 39, 1731-1736. | 1.4 | 21 |
| 70 | Potential for Population Growth of the Small Hive BeetleAethina tumida(Coleoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 T | 0.5 | 21 |
| 71 | Spiroacetals in the Colonization Behaviour of the Coffee Berry Borer: A â€˜Push-Pullâ€™ System. PLoS ONE, 2014, 9, e111316. | 2.5 | 21 |
| 72 | A major host plant volatile, 1-octen-3-ol, contributes to mating in the legume pod borer, Maruca vitrata (Fabricius) (Lepidoptera: Crambidae). Die Naturwissenschaften, 2015, 102, 47. | 1.6 | 21 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Zebra skin odor repels the savannah tsetse fly, Glossina pallidipes (Diptera: Glossinidae). PLoS Neglected Tropical Diseases, 2019, 13, e0007460. | 3.0 | 21 |
| 74 | Standard methods for chemical ecology research inApis mellifera. Journal of Apicultural Research, 2013, 52, 1-34. | 1.5 | 20 |
| 75 | Determination of pesticide residues in honey: a preliminary study from two of Africaâ€™s largest honey producers. International Journal of Food Contamination, 2016, 3, . | 4.3 | 20 |
| 76 | Application of superabsorbent polymers (SAP) as desiccants to dry maize and reduce aflatoxin contamination. Journal of Food Science and Technology, 2016, 53, 3157-3165. | 2.8 | 20 |
| 77 | ABC transporter genes ABC-C6 and ABC-G33 alter plant-microbe-parasite interactions in the rhizosphere. Scientific Reports, 2019, 9, 19899. | 3.3 | 20 |
| 78 | Opposing Roles of Foliar and Glandular Trichome Volatile Components in Cultivated Nightshade Interaction with a Specialist Herbivore. PLoS ONE, 2016, 11, e0160383. | 2.5 | 19 |
| 79 | Cucumber and Tomato Volatiles: Influence on Attraction in the Melon Fly Zeugodacus cucurbitate (Diptera: Tephritidae). Journal of Agricultural and Food Chemistry, 2018, 66, 8504-8513. | 5.2 | 19 |
| 80 | Aethina tumida (Coleoptera: Nitidulidae) and Oplostomus haroldi (Coleoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Odors. Annals of the Entomological Society of America, 2010, 103, 389-396. | 2.5 | 18 |
| 81 | Sheep Skin Odor Improves Trap Captures of Mosquito Vectors of Rift Valley Fever. PLoS Neglected Tropical Diseases, 2012, 6, e1879. | 3.0 | 18 |
| 82 | Trapping of Rift Valley Fever (RVF) vectors using Light Emitting Diode (LED) CDC traps in two arboviral disease hot spots in Kenya. Parasites and Vectors, 2012, 5, 94. | 2.5 | 18 |
| 83 | Trapping of <I>Aethina tumida</I> Murray (Coleoptera: Nitidulidae) from <I>Apis mellifera</I> L. (Hymenoptera: Apidae) Colonies with an In-Hive Baited Trap. Environmental Entomology, 2007, 36, 1018-1024. | 1.4 | 17 |
| 84 | Monitoring the Small Hive BeetleAethina tumida(Coleoptera: Nitidulidae) with Baited Flight Traps: Effect of Distance from Bee Hives and Shade on the Numbers of Beetles Captured. Florida Entomologist, 2009, 92, 165-166. | 0.5 | 17 |
| 85 | Eavesdropping on Plantâ€“Insectâ€“Microbe Chemical Communications in Agricultural Ecology: A Virtual Issue on Semiochemicals. Journal of Agricultural and Food Chemistry, 2017, 65, 5101-5103. | 5.2 | 17 |
| 86 | Insights into the Evolutionary Origin of Mediterranean Sandfly Fever Viruses. MSphere, 2020, 5, . | 2.9 | 17 |
| 87 | Jingmen Tick Virus in Ticks from Kenya. Viruses, 2022, 14, 1041. | 3.3 | 17 |
| 88 | Evidence for Potential of Managing Some African Fruit Fly Species (Diptera: Tephritidae) Using the Mango Fruit Fly Host-Marking Pheromone. Journal of Economic Entomology, 2012, 105, 2068-2075. | 1.8 | 16 |
| 89 | Identification of the Ubiquitous Antioxidant Tripeptide Glutathione as a Fruit Fly Semiochemical. Journal of Agricultural and Food Chemistry, 2017, 65, 8560-8568. | 5.2 | 16 |
| 90 | Aedes vectorâ€“host olfactory interactions in sylvatic and domestic dengue transmission environments. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20192136. | 2.6 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Differential response to plant- and human-derived odorants in field surveillance of the dengue vector, Aedes aegypti. Acta Tropica, 2019, 200, 105163. | 2.0 | 15 |
| 92 | Caterpillar-induced plant volatiles attract conspecific and heterospecific adults for oviposition within a community of lepidopteran stemborers on maize plant. Chemoecology, 2019, 29, 89-101. | 1.1 | 15 |
| 93 | Title is missing!. Journal of Chemical Ecology, 1999, 25, 835-845. | 1.8 | 14 |
| 94 | Visual, vibratory, and olfactory cues affect interactions between the red spider mite Tetranychus evansi and its predator Phytoseiulus longipes. Journal of Pest Science, 2016, 89, 137-152. | 3.7 | 13 |
| 95 | The impact of hive type on the behavior and health of honey bee colonies (Apis mellifera) in Kenya. Apidologie, 2017, 48, 703-715. | 2.0 | 13 |
| 96 | Mediation of Potatoâ€“Potato Cyst Nematode, G. rostochiensis Interaction by Specific Root Exudate Compounds. Frontiers in Plant Science, 2020, 11, 649. | 3.6 | 13 |
| 97 | Afrotropical sand fly-host plant relationships in a leishmaniasis endemic area, Kenya. PLoS Neglected Tropical Diseases, 2021, 15, e0009041. | 3.0 | 13 |
| 98 | Responses of the stem borer larval endoparasitoidCotesia flavipes(Hymenoptera: Braconidae) to plant derived synomones: Laboratory and field cage experiments. Biocontrol Science and Technology, 2005, 15, 271-279. | 1.3 | 12 |
| 99 | Chemical Communication in the Honey Bee Scarab Pest Oplostomus haroldi: Role of (Z)-9-Pentacosene. Journal of Chemical Ecology, 2012, 38, 1463-1473. | 1.8 | 12 |
| 100 | Occurrence, diversity and pattern of damage of Oplostomus species (Coleoptera: Scarabaeidae), honey bee pests in Kenya. Apidologie, 2013, 44, 11-20. | 2.0 | 12 |
| 101 | Compounds Associated with Infection by the Root-Knot Nematode, Meloidogyne javanica, Influence the Ability of Infective Juveniles to Recognize Host Plants. Journal of Agricultural and Food Chemistry, 2020, 68, 9100-9109. | 5.2 | 12 |
| 102 | Stable Flies, Stomoxys calcitrans L. (Diptera: Muscidae), Improve Offspring Fitness by Avoiding Oviposition Substrates With Competitors or Parasites. Frontiers in Ecology and Evolution, 2020, 8, . | 2.2 | 12 |
| 103 | Derivatization increases mosquito larvicidal activity of the sesquiterpene lactone parthenin isolated from the invasive weed <scp>Parthenium hysterophorus</scp>. Pest Management Science, 2021, 77, 659-665. | 3.4 | 12 |
| 104 | Identification of Repellents from Four Non-Host Asteraceae Plants for the Root Knot Nematode, Meloidogyne incognita. Journal of Agricultural and Food Chemistry, 2021, 69, 15145-15156. | 5.2 | 12 |
| 105 | Identification of kairomones of second instar nymphs of the variegated coffee bug Antestiopsis thunbergii (Heteroptera: Pentatomidae). Chemoecology, 2017, 27, 239-248. | 1.1 | 11 |
| 106 | Lemon Terpenes Influence Behavior of the African Citrus Triozid Trioza erytreae (Hemiptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 T | 1.8 | 11 |
| 107 | Cyst nematode bioâ€communication with plants: implications for novel management approaches. Pest Management Science, 2021, 77, 1150-1159. | 3.4 | 11 |
| 108 | Plant sugar feeding patterns of wildâ€caught <scp>Aedes aegypti</scp> from dengue endemic and nonâ€endemic areas of Kenya. Medical and Veterinary Entomology, 2021, 35, 417-425. | 1.5 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Multi-compartment chemical characterization and risk assessment of chemicals of emerging concern in freshwater systems of western Kenya. Environmental Sciences Europe, 2020, 32, . | 5.5 | 11 |
| 110 | Ethylene Response Factor (ERF) genes modulate plant root exudate composition and the attraction of plant parasitic nematodes. International Journal for Parasitology, 2019, 49, 999-1003. | 3.1 | 10 |
| 111 | Effect of larval density and substrate quality on the wing geometry of Stomoxys calcitrans L. (Diptera: Muscidae). Parasites and Vectors, 2019, 12, 222. | 2.5 | 10 |
| 112 | Innovative approaches to exploit host plant metabolites in malaria control. Pest Management Science, 2019, 75, 2341-2345. | 3.4 | 10 |
| 113 | Large herbivore loss has complex effects on mosquito ecology and vectorâ€borne disease risk. Transboundary and Emerging Diseases, 2021, 68, 2503-2513. | 3.0 | 10 |
| 114 | Root exudate chemical cues of an invasive plant modulate oviposition behavior and survivorship of a malaria mosquito vector. Scientific Reports, 2021, 11, 14785. | 3.3 | 10 |
| 115 | Naturally Occurring Compounds With Larvicidal Activity Against Malaria Mosquitoes. Frontiers in Tropical Diseases, 2021, 2, . | 1.4 | 10 |
| 116 | Analysing chemical attraction of gravid Anopheles gambiae sensu stricto with modified BG-Sentinel traps. Parasites and Vectors, 2015, 8, 301. | 2.5 | 9 |
| 117 | Behavioral responses of the small hive beetle, <scp>A</scp>ethina tumida, to odors of three meliponine bee species and honey bees, <scp>A</scp>pis mellifera scutellata. Entomologia Experimentalis Et Applicata, 2018, 166, 528-534. | 1.4 | 9 |
| 118 | Grand Challenges in Vector-Borne Disease Control Targeting Vectors. Frontiers in Tropical Diseases, 2021, 1, . | 1.4 | 9 |
| 119 | An Overview of Antimicrobial Compounds from African Edible Insects and Their Associated Microbiota. Antibiotics, 2021, 10, 621. | 3.7 | 9 |
| 120 | Outdoor malaria vector species profile in dryland ecosystems of Kenya. Scientific Reports, 2022, 12, 7131. | 3.3 | 9 |
| 121 | Laboratory evaluation of some eastern African Meliaceae as sources of larvicidal botanicals for Anopheles gambiae. International Journal of Tropical Insect Science, 2004, 24, . | 1.0 | 8 |
| 122 | Plant Volatiles Influence the African Weaver Ant-Cashew Tree Mutualism. Journal of Chemical Ecology, 2014, 40, 1167-1175. | 1.8 | 8 |
| 123 | Behavioral Evidence for Olfactory-Based Location of Honeybee Colonies by the Scarab Oplostomus haroldi. Journal of Chemical Ecology, 2016, 42, 1063-1069. | 1.8 | 8 |
| 124 | Responses of Glossina fuscipes fuscipes to visually attractive stationary devices baited with 4-methylguaiacol and certain repellent compounds in waterbuck odour. PLoS Neglected Tropical Diseases, 2019, 13, e0007510. | 3.0 | 8 |
| 125 | Evidence of Aggregationâ€“Sex Pheromone Use by Longhorned Beetles (Coleoptera: Cerambycidae) Species Native to Africa. Environmental Entomology, 2019, 48, 189-192. | 1.4 | 8 |
| 126 | Plant nutrient quality impacts survival and reproductive fitness of the dengue vector Aedes aegypti. Parasites and Vectors, 2021, 14, 4. | 2.5 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Survival rate, blood feeding habits and sibling species composition of Aedes simpsoni complex: Implications for arbovirus transmission risk in East Africa. PLoS Neglected Tropical Diseases, 2022, 16, e0010171. | 3.0 | 8 |
| 128 | Chemo-Ecological Insights into the Use of the Non-Host Plant Vegetable Black-Jack to Protect Two Susceptible Solanaceous Crops from Root-Knot Nematode Parasitism. Journal of Agricultural and Food Chemistry, 2022, 70, 6658-6669. | 5.2 | 8 |
| 129 | Metabolites From Trypanosome-Infected Cattle as Sensitive Biomarkers for Animal Trypanosomosis. Frontiers in Microbiology, 0, 13, . | 3.5 | 8 |
| 130 | Effects of vector control on the population structure of tsetse ( Glossina fuscipes fuscipes ) in western Kenya. Acta Tropica, 2018, 179, 1-9. | 2.0 | 7 |
| 131 | Sticky small target: an effective sampling tool for tsetse fly Glossina fuscipes fuscipes Newstead, 1910. Parasites and Vectors, 2018, 11, 268. | 2.5 | 7 |
| 132 | Isopentyl Butanoate: Aggregation Pheromone of the Brown Spiny Bug, Clavigralla tomentosicollis (Hemiptera: Coreidae), and Kairomone for the Egg Parasitoid Gryon sp. (Hymenoptera: Scelionidae). Journal of Chemical Ecology, 2019, 45, 570-578. | 1.8 | 7 |
| 133 | Exploring nonâ€host plantâ€based management strategy with lemongrass, garlic and guava volatiles for the African citrus triozid. Journal of Applied Entomology, 2021, 145, 757-766. | 1.8 | 7 |
| 134 | Odor composition of field versus laboratory desert locust populations. Journal of Insect Physiology, 2021, 134, 104296. | 2.0 | 7 |
| 135 | Mass spectral determination of phenylacetonitrile (PAN) levels in body tissues of adult desert locust, Schistocerca gregaria. Journal of Insect Physiology, 2012, 58, 1037-1041. | 2.0 | 6 |
| 136 | Ripe coffee berry volatiles repel second instar nymphs of Antestia bugs (Heteroptera: Pentatomidae:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 1.1 | 6 |
| 137 | Exploring the influence of different habitats and their volatile chemistry in modulating sand fly population structure in a leishmaniasis endemic foci, Kenya. PLoS Neglected Tropical Diseases, 2021, 15, e0009062. | 3.0 | 6 |
| 138 | Identification of Glutamic Acid as a Host Marking Pheromone of the African Fruit Fly Species Ceratitis rosa (Diptera: Tephritidae). Journal of Agricultural and Food Chemistry, 2018, 66, 9933-9941. | 5.2 | 5 |
| 139 | Shared volatile organic compounds between camel metabolic products elicits strong Stomoxys calcitrans attraction. Scientific Reports, 2020, 10, 21454. | 3.3 | 5 |
| 140 | Cellular and Molecular Targets of Waterbuck Repellent Blend Odors in Antennae of Glossina fuscipes fuscipes Newstead, 1910. Frontiers in Cellular Neuroscience, 2020, 14, 137. | 3.7 | 5 |
| 141 | Wrap-and-plant technology to manage sustainably potato cyst nematodes in East Africa. Nature Sustainability, 0, , . | 23.7 | 5 |
| 142 | Chemical Ecology of African Tephritid Fruit Flies. , 2016, , 163-205. | | 4 |
| 143 | Strategies for the Manipulation of Root Knot Nematode Behavior with Natural Products in Small Scale Farming Systems. ACS Symposium Series, 2018, , 115-126. | 0.5 | 4 |
| 144 | Host species and site of collection shape the microbiota of Rift Valley fever vectors in Kenya. PLoS Neglected Tropical Diseases, 2019, 13, e0007361. | 3.0 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Semiochemical modulation of oviposition behaviour in the gregarious desert locustSchistocerca gregaria. Pest Management Science, 1999, 55, 570-571. | 0.4 | 3 |
| 146 | Cashew Volatiles Mediate Short-Range Location Responses in <I>Pseudotheraptus wayi</I> (Heteroptera: Coreidae). Environmental Entomology, 2013, 42, 1400-1407. | 1.4 | 3 |
| 147 | Larval experience of stable fly, <scp>Stomoxys calcitrans</scp> Linneaus, 1758 (Diptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 1 44, 690-701. | 2.2 | 1 |
| 148 | Odor-Mediated Group Organization and Coordination in the Termite-Raiding Ant Megaponera analis (Mayr). Chemical Senses, 2020, 45, 635-644. | 2.0 | 1 |
| 149 | Effect of zebra skin-derived compounds on field catches of the human African trypanosomiasis vector Glossina fuscipes fuscipes. Acta Tropica, 2021, 213, 105745. | 2.0 | 1 |
| 150 | The effects of crude propolis, its volatiles and ethanolic extracts on the ecto-parasitic mite, Varroa destructor and health of the African savannah honey bee, Apis mellifera scutellata. Parasitology, 2021, 148, 696-702. | 1.5 | 1 |
| 151 | Exploring levels of egg parasitism and variation in egg cuticular chemistry in different Clavigralla spp.. Journal of Applied Entomology, 2019, 143, 842-854. | 1.8 | 0 |
| 152 | Biological traits of wild-caught populations of Aedes aegypti in dengue endemic and non-endemic regions of Kenya. Journal of Vector Ecology, 2021, 46, 19-23. | 1.0 | 0 |
| 153 | Characterization of flavonoids from candidate striga grass in controlling diet legumes Cicer arietinum and Vigna radiata. Biofarmasi Journal of Natural Product Biochemistry, 2018, 16, 83-98. | 0.8 | 0 |