

John G Vontas

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

223
papers

10,132
citations

50
h-index

93
g-index

245
ext. papers

12,582
ext. citations

5
avg, IF

6.31
L-index

| # | Paper | IF | Citations |
|-----|---|-----|-----------|
| 223 | A spatiotemporal atlas of the lepidopteran pest <i>Helicoverpa armigera</i> midgut provides insights into nutrient processing and pH regulation.. <i>BMC Genomics</i> , 2022 , 23, 75 | 4.5 | 0 |
| 222 | Historical samples reveal a combined role of agriculture and public health applications in vector resistance to insecticides.. <i>Pest Management Science</i> , 2022 , | 4.6 | 1 |
| 221 | Functionally characterized arthropod pest and pollinator cytochrome P450s associated with xenobiotic metabolism.. <i>Pesticide Biochemistry and Physiology</i> , 2022 , 181, 105005 | 4.9 | 2 |
| 220 | Identification of <i>Helicoverpa armigera</i> promoters for biotechnological applications.. <i>Insect Biochemistry and Molecular Biology</i> , 2022 , 103725 | 4.5 | 0 |
| 219 | Over-expression in cis of the midgut P450 CYP392A16 contributes to abamectin resistance in <i>Tetranychus urticae</i> .. <i>Insect Biochemistry and Molecular Biology</i> , 2022 , 103709 | 4.5 | 1 |
| 218 | Multi-insecticide resistant malaria vectors in the field remain susceptible to malathion, despite the presence of Ace1 point mutations.. <i>PLoS Genetics</i> , 2022 , 18, e1009963 | 6 | 0 |
| 217 | Multiple TaqMan qPCR and droplet digital PCR (ddPCR) diagnostics for pesticide resistance monitoring and management, in the major agricultural pest <i>Tetranychus urticae</i> . <i>Pest Management Science</i> , 2022 , 78, 263-273 | 4.6 | 3 |
| 216 | Flupyradifurone resistance in <i>Myzus persicae</i> populations from peach and tobacco in Greece. <i>Pest Management Science</i> , 2022 , 78, 304-312 | 4.6 | 0 |
| 215 | Mosquito population structure, pathogen surveillance and insecticide resistance monitoring in urban regions of Crete, Greece.. <i>PLoS Neglected Tropical Diseases</i> , 2022 , 16, e0010186 | 4.8 | 1 |
| 214 | Fungicide resistance frequencies of <i>Botrytis cinerea</i> greenhouse isolates and molecular detection of a novel SDHI resistance mutation.. <i>Pesticide Biochemistry and Physiology</i> , 2022 , 183, 105058 | 4.9 | 0 |
| 213 | Characterization of a novel pesticide transporter and P-glycoprotein orthologues in .. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022 , 289, 20220625 | 4.4 | |
| 212 | Dynamic interactions between the symbiont <i>Candidatus Erwinia dacicola</i> and its olive fruit fly host <i>Bactrocera oleae</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2022 , 146, 103793 | 4.5 | 0 |
| 211 | VectorMap-GR: A local scale operational management tool for entomological monitoring, to support vector control activities in Greece and the Mediterranean Basin.. <i>Current Research in Parasitology and Vector-borne Diseases</i> , 2021 , 1, 100053 | | 2 |
| 210 | Pyrethroid target-site resistance mutations in populations of the honey bee parasite <i>Varroa destructor</i> (Acari: Varroidae) from Flanders, Belgium. <i>Experimental and Applied Acarology</i> , 2021 , 85, 205-221 | 3.7 | 0 |
| 209 | Testing configurations of attractive toxic sugar bait (ATSB) stations in Mali, West Africa, for improving the control of malaria parasite transmission by vector mosquitoes and minimizing their effect on non-target insects. <i>Malaria Journal</i> , 2021 , 20, 184 | 3.6 | 3 |
| 208 | High insecticide resistance mediated by different mechanisms in <i>Culex quinquefasciatus</i> populations from the city of Yaoundé/Cameroon. <i>Scientific Reports</i> , 2021 , 11, 7322 | 4.9 | 2 |
| 207 | Insecticide resistance status and mechanisms in <i>Aedes aegypti</i> populations from Senegal. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0009393 | 4.8 | 8 |

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| 206 | Analyses of Insecticide Resistance Genes in and Mosquito Populations from Cameroon. <i>Genes</i> , 2021 , 12, | 4.2 | 2 |
| 205 | High-resolution genetic mapping reveals cis-regulatory and copy number variation in loci associated with cytochrome P450-mediated detoxification in a generalist arthropod pest. <i>PLoS Genetics</i> , 2021 , 17, e1009422 | 6 | 10 |
| 204 | Comparative and functional genomics of the ABC transporter superfamily across arthropods. <i>BMC Genomics</i> , 2021 , 22, 553 | 4.5 | 4 |
| 203 | Identification and characterization of striking multiple-insecticide resistance in a <i>Tetranychus urticae</i> field population from Greece. <i>Pest Management Science</i> , 2021 , 77, 666-676 | 4.6 | 9 |
| 202 | Heterologous expression of insect P450 enzymes that metabolize xenobiotics. <i>Current Opinion in Insect Science</i> , 2021 , 43, 78-84 | 5.1 | 15 |
| 201 | Functional characterization and transcriptomic profiling of a spheroid-forming midgut cell line from <i>Helicoverpa zea</i> (Lepidoptera: Noctuidae). <i>Insect Biochemistry and Molecular Biology</i> , 2021 , 128, 103510 | 4.5 | 1 |
| 200 | Can the mammalian organoid technology be applied to the insect gut?. <i>Pest Management Science</i> , 2021 , 77, 55-63 | 4.6 | 5 |
| 199 | Transcriptomic analysis of s-methoprene resistance in the lesser grain borer, <i>Rhyzopertha dominica</i> , and evaluation of piperonyl butoxide as a resistance breaker. <i>BMC Genomics</i> , 2021 , 22, 65 | 4.5 | 1 |
| 198 | Stably inherited transfer of the bacterial symbiont <i>Erwinia dacicola</i> from wild olive fruit flies to a laboratory strain. <i>Bulletin of Entomological Research</i> , 2021 , 111, 379-384 | 1.7 | |
| 197 | Reduced proinsecticide activation by cytochrome P450 confers coumaphos resistance in the major bee parasite. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118, | 11.5 | 19 |
| 196 | Evolution of Adaptive Variation in the Mosquito : Multiple Independent Origins of Insecticide Resistance Mutations. <i>Insects</i> , 2021 , 12, | 2.8 | 2 |
| 195 | Population structure and insecticide resistance status of <i>Tuta absoluta</i> populations from Turkey. <i>Pest Management Science</i> , 2021 , 77, 4741-4748 | 4.6 | 2 |
| 194 | Global patterns in genomic diversity underpinning the evolution of insecticide resistance in the aphid crop pest <i>Myzus persicae</i> . <i>Communications Biology</i> , 2021 , 4, 847 | 6.7 | 14 |
| 193 | Molecular innovations underlying resistance to nicotine and neonicotinoids in the aphid <i>Myzus persicae</i> . <i>Pest Management Science</i> , 2021 , 77, 5311-5320 | 4.6 | 1 |
| 192 | Chemical control and insecticide resistance status of sand fly vectors worldwide. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0009586 | 4.8 | 4 |
| 191 | Highly sensitive droplet digital PCR-based diagnostics for the surveillance of malaria vector populations in low transmission and incipient resistance settings. <i>Expert Review of Molecular Diagnostics</i> , 2021 , 21, 1105-1114 | 3.8 | 1 |
| 190 | Pyrethroid and Etofenprox Resistance in and from Vegetable Farms in Yaoundé-Cameroon: Dynamics, Intensity and Molecular Basis. <i>Molecules</i> , 2021 , 26, | 4.8 | 2 |
| 189 | Assessing the anti-resistance potential of public health vaporizer formulations and insecticide mixtures with pyrethroids using transgenic <i>Drosophila</i> lines. <i>Parasites and Vectors</i> , 2021 , 14, 495 | 4 | 0 |

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| 188 | The Role of Cytochrome P450s in Insect Toxicology and Resistance. <i>Annual Review of Entomology</i> , 2021 , | 21.8 | 15 |
| 187 | Untangling a Gordian knot: the role of a GluCL3 I321T mutation in abamectin resistance in <i>Tetranychus urticae</i> . <i>Pest Management Science</i> , 2021 , 77, 1581-1593 | 4.6 | 7 |
| 186 | Transcriptomic analysis of resistance and short-term induction response to pyrethroids, in <i>Anopheles coluzzii</i> legs.. <i>BMC Genomics</i> , 2021 , 22, 891 | 4.5 | 1 |
| 185 | VectorDisk: A Microfluidic Platform Integrating Diagnostic Markers for Evidence-Based Mosquito Control. <i>Processes</i> , 2020 , 8, 1677 | 2.9 | 1 |
| 184 | Identification and detection of a novel point mutation in the Chitin Synthase gene of <i>Culex pipiens</i> associated with diflubenzuron resistance. <i>PLoS Neglected Tropical Diseases</i> , 2020 , 14, e0008284 | 4.8 | 14 |
| 183 | The genetic architecture of a host shift: An adaptive walk protected an aphid and its endosymbiont from plant chemical defenses. <i>Science Advances</i> , 2020 , 6, eaba1070 | 14.3 | 13 |
| 182 | What I cannot create, I do not understand: functionally validated synergism of metabolic and target site insecticide resistance. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020 , 287, 20200838 | 4.4 | 20 |
| 181 | Using CRISPR/Cas9 genome modification to understand the genetic basis of insecticide resistance: <i>Drosophila</i> and beyond. <i>Pesticide Biochemistry and Physiology</i> , 2020 , 167, 104595 | 4.9 | 19 |
| 180 | Population dynamics, pathogen detection and insecticide resistance of mosquito and sand fly in refugee camps, Greece. <i>Infectious Diseases of Poverty</i> , 2020 , 9, 30 | 10.4 | 8 |
| 179 | Monitoring and molecular profiling of contemporary insecticide resistance status of malaria vectors in Guinea-Bissau. <i>Acta Tropica</i> , 2020 , 206, 105440 | 3.2 | 2 |
| 178 | Efficient genome editing in the olive fruit fly, <i>Bactrocera oleae</i> . <i>Insect Molecular Biology</i> , 2020 , 29, 363-374 | 3.4 | 5 |
| 177 | Bioassay and molecular monitoring of insecticide resistance status in <i>Aedes albopictus</i> populations from Greece, to support evidence-based vector control. <i>Parasites and Vectors</i> , 2020 , 13, 328 | 4 | 6 |
| 176 | A transcriptomic and proteomic atlas of expression in the <i>Nezara viridula</i> (Heteroptera: Pentatomidae) midgut suggests the compartmentalization of xenobiotic metabolism and nutrient digestion. <i>BMC Genomics</i> , 2020 , 21, 129 | 4.5 | 5 |
| 175 | Targeted mutagenesis using CRISPR-Cas9 in the chelicerate herbivore <i>Tetranychus urticae</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2020 , 120, 103347 | 4.5 | 26 |
| 174 | Large-scale field trial of attractive toxic sugar baits (ATSB) for the control of malaria vector mosquitoes in Mali, West Africa. <i>Malaria Journal</i> , 2020 , 19, 72 | 3.6 | 16 |
| 173 | Significance and interpretation of molecular diagnostics for insecticide resistance management of agricultural pests. <i>Current Opinion in Insect Science</i> , 2020 , 39, 69-76 | 5.1 | 23 |
| 172 | Molecular and genetic analysis of resistance to MET-I acaricides in Iranian populations of the citrus red mite <i>Panonychus citri</i> . <i>Pesticide Biochemistry and Physiology</i> , 2020 , 164, 73-84 | 4.9 | 8 |
| 171 | A sensory appendage protein protects malaria vectors from pyrethroids. <i>Nature</i> , 2020 , 577, 376-380 | 50.4 | 57 |

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| 170 | Detection of diflubenzuron and pyrethroid resistance mutations in <i>Culex pipiens</i> from Muğla, Turkey. <i>Acta Tropica</i> , 2020 , 203, 105294 | 3.2 | 9 |
| 169 | Functional Genomics of a Symbiotic Community: Shared Traits in the Olive Fruit Fly Gut Microbiota. <i>Genome Biology and Evolution</i> , 2020 , 12, 3778-3791 | 3.9 | 10 |
| 168 | Development of efficient RNAi in <i>Nezara viridula</i> for use in insecticide target discovery. <i>Archives of Insect Biochemistry and Physiology</i> , 2020 , 103, e21650 | 2.3 | 11 |
| 167 | The Identification and Evolutionary Trends of the Solute Carrier Superfamily in Arthropods. <i>Genome Biology and Evolution</i> , 2020 , 12, 1429-1439 | 3.9 | 5 |
| 166 | Co-Expression of a Homologous Cytochrome P450 Reductase Is Required for In Vivo Validation of the CYP392A16-Based Abamectin Resistance in. <i>Insects</i> , 2020 , 11, | 2.8 | 5 |
| 165 | Fly-Tox: A panel of transgenic flies expressing pest and pollinator cytochrome P450s. <i>Pesticide Biochemistry and Physiology</i> , 2020 , 169, 104674 | 4.9 | 9 |
| 164 | Cytochrome P450-based metabolic insecticide resistance in <i>Anopheles</i> and <i>Aedes</i> mosquito vectors: Muddying the waters. <i>Pesticide Biochemistry and Physiology</i> , 2020 , 170, 104666 | 4.9 | 28 |
| 163 | Overexpression of an alternative allele of carboxyl/choline esterase 4 (CCE04) of <i>Tetranychus urticae</i> is associated with high levels of resistance to the keto-enol acaricide spiroticlofen. <i>Pest Management Science</i> , 2020 , 76, 1142-1153 | 4.6 | 17 |
| 162 | Identification and geographical distribution of pyrethroid resistance mutations in the poultry red mite <i>Dermanyssus gallinae</i> . <i>Pest Management Science</i> , 2020 , 76, 125-133 | 4.6 | 14 |
| 161 | Identification and functional characterization of a novel acetyl-CoA carboxylase mutation associated with ketoenol resistance in <i>Bemisia tabaci</i> . <i>Pesticide Biochemistry and Physiology</i> , 2020 , 166, 104583 | 4.9 | 11 |
| 160 | Vector population monitoring tools for insecticide resistance management: Myth or fact?. <i>Pesticide Biochemistry and Physiology</i> , 2019 , 161, 54-60 | 4.9 | 13 |
| 159 | Status of Insecticide Resistance and Its Mechanisms in and Populations from Forest Settings in South Cameroon. <i>Genes</i> , 2019 , 10, | 4.2 | 15 |
| 158 | Identification of <i>Leishmania</i> Species in Naturally Infected Sand Flies from Refugee Camps, Greece. <i>Emerging Infectious Diseases</i> , 2019 , 25, 361-364 | 10.2 | 10 |
| 157 | Insecticide resistance in the tomato pinworm <i>Tuta absoluta</i> : patterns, spread, mechanisms, management and outlook. <i>Journal of Pest Science</i> , 2019 , 92, 1329-1342 | 5.5 | 81 |
| 156 | Two functionally distinct CYP4G genes of <i>Anopheles gambiae</i> contribute to cuticular hydrocarbon biosynthesis. <i>Insect Biochemistry and Molecular Biology</i> , 2019 , 110, 52-59 | 4.5 | 28 |
| 155 | Focal distribution of diflubenzuron resistance mutations in <i>Culex pipiens</i> mosquitoes from Northern Italy. <i>Acta Tropica</i> , 2019 , 193, 106-112 | 3.2 | 18 |
| 154 | Substrate specificity and promiscuity of horizontally transferred UDP-glycosyltransferases in the generalist herbivore <i>Tetranychus urticae</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2019 , 109, 116-127 | 4.5 | 17 |
| 153 | Functional characterization of CYP6A51, a cytochrome P450 associated with pyrethroid resistance in the Mediterranean fruit fly <i>Ceratitis capitata</i> . <i>Pesticide Biochemistry and Physiology</i> , 2019 , 157, 196-203 | 4.9 | 11 |

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| 152 | Phenotypic and genotypic pyrethroid resistance of <i>Aedes albopictus</i> , with focus on the 2017 chikungunya outbreak in Italy. <i>Pest Management Science</i> , 2019 , 75, 2642-2651 | 4.6 | 10 |
| 151 | Mosquitoes cloak their legs to resist insecticides. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019 , 286, 20191091 | 4.4 | 32 |
| 150 | Convergent evolution of cytochrome P450s underlies independent origins of keto-carotenoid pigmentation in animals. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019 , 286, 20191039 | 4.4 | 14 |
| 149 | Susceptibility Profiles of (Hßner) (Lepidoptera: Noctuidae) to Deltamethrin Reveal a Contrast between the Northern and the Southern Benin. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16, | 4.6 | 7 |
| 148 | Management of insecticide resistance in the major <i>Aedes</i> vectors of arboviruses: Advances and challenges. <i>PLoS Neglected Tropical Diseases</i> , 2019 , 13, e0007615 | 4.8 | 73 |
| 147 | The evolution of multiple-insecticide resistance in UK populations of tomato leafminer, <i>Tuta absoluta</i> . <i>Pest Management Science</i> , 2019 , 75, 2079-2085 | 4.6 | 17 |
| 146 | Genome-wide gene expression profiling reveals that cuticle alterations and P450 detoxification are associated with deltamethrin and DDT resistance in <i>Anopheles arabiensis</i> populations from Ethiopia. <i>Pest Management Science</i> , 2019 , 75, 1808-1818 | 4.6 | 27 |
| 145 | Functional validation of target-site resistance mutations against sodium channel blocker insecticides (SCBIs) via molecular modeling and genome engineering in <i>Drosophila</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2019 , 104, 73-81 | 4.5 | 13 |
| 144 | Alternative strategies for mosquito-borne arbovirus control. <i>PLoS Neglected Tropical Diseases</i> , 2019 , 13, e0006822 | 4.8 | 93 |
| 143 | Rapid multiplex gene expression assays for monitoring metabolic resistance in the major malaria vector <i>Anopheles gambiae</i> . <i>Parasites and Vectors</i> , 2019 , 12, 9 | 4 | 26 |
| 142 | Insect cuticle: a critical determinant of insecticide resistance. <i>Current Opinion in Insect Science</i> , 2018 , 27, 68-74 | 5.1 | 117 |
| 141 | Detection of Pyrethroid Resistance Mutations in the Major Leishmaniasis Vector <i>Phlebotomus papatasi</i> . <i>Journal of Medical Entomology</i> , 2018 , 55, 1225-1230 | 2.2 | 5 |
| 140 | Rapid selection of a pyrethroid metabolic enzyme CYP9K1 by operational malaria control activities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 4619-4624 | 11.5 | 50 |
| 139 | New rapid one-step PCR diagnostic assay for <i>Plasmodium falciparum</i> infective mosquitoes. <i>Scientific Reports</i> , 2018 , 8, 1462 | 4.9 | 10 |
| 138 | First evidence of resistance to pyrethroid insecticides in Italian <i>Aedes albopictus</i> populations 26 years after invasion. <i>Pest Management Science</i> , 2018 , 74, 1319-1327 | 4.6 | 22 |
| 137 | The role of glutathione S-transferases (GSTs) in insecticide resistance in crop pests and disease vectors. <i>Current Opinion in Insect Science</i> , 2018 , 27, 97-102 | 5.1 | 94 |
| 136 | Fitness costs of key point mutations that underlie acaricide target-site resistance in the two-spotted spider mite. <i>Evolutionary Applications</i> , 2018 , 11, 1540-1553 | 4.8 | 25 |
| 135 | Molecular characterization of pyrethroid resistance in the olive fruit fly <i>Bactrocera oleae</i> . <i>Pesticide Biochemistry and Physiology</i> , 2018 , 148, 1-7 | 4.9 | 11 |

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| 134 | Detection of West Nile Virus - Lineage 2 in <i>Culex pipiens</i> mosquitoes, associated with disease outbreak in Greece, 2017. <i>Acta Tropica</i> , 2018 , 182, 64-68 | 3.2 | 17 |
| 133 | Insecticide resistance in <i>Trialeurodes vaporariorum</i> populations and novel diagnostics for kdr mutations. <i>Pest Management Science</i> , 2018 , 74, 59-69 | 4.6 | 20 |
| 132 | Susceptibility of <i>Ceratitis capitata</i> to deltamethrin and spinosad in Greece. <i>Journal of Pest Science</i> , 2018 , 91, 861-871 | 5.5 | 6 |
| 131 | Biochemical and molecular characterizations of cypermethrin resistance in laboratory-selected cypermethrin-resistant strains of <i>Tetranychus urticae</i> Koch. (Acari: Tetranychidae). <i>International Journal of Acarology</i> , 2018 , 44, 262-267 | 0.6 | 5 |
| 130 | Converging Human and Malaria Vector Diagnostics with Data Management towards an Integrated Holistic One Health Approach. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15, | 4.6 | 9 |
| 129 | Identification and characterization of abamectin resistance in <i>Tetranychus urticae</i> Koch populations from greenhouses in Turkey. <i>Crop Protection</i> , 2018 , 112, 112-117 | 2.7 | 29 |
| 128 | The <i>Anopheles gambiae</i> ATP-binding cassette transporter family: phylogenetic analysis and tissue localization provide clues on function and role in insecticide resistance. <i>Insect Molecular Biology</i> , 2018 , 27, 110-122 | 3.4 | 33 |
| 127 | Detection and Monitoring of Insecticide Resistance Mutations in <i>Anopheles gambiae</i> : Individual vs Pooled Specimens. <i>Genes</i> , 2018 , 9, | 4.2 | 18 |
| 126 | Multiple recombination events between two cytochrome P450 loci contribute to global pyrethroid resistance in <i>Helicoverpa armigera</i> . <i>PLoS ONE</i> , 2018 , 13, e0197760 | 3.7 | 32 |
| 125 | How do oral insecticidal compounds cross the insect midgut epithelium?. <i>Insect Biochemistry and Molecular Biology</i> , 2018 , 103, 22-35 | 4.5 | 28 |
| 124 | Recent evolution and operational impact of insecticide resistance in olive fruit fly <i>Bactrocera oleae</i> populations from Greece. <i>Journal of Pest Science</i> , 2018 , 91, 1429-1439 | 5.5 | 13 |
| 123 | Transcriptomic responses of the olive fruit fly <i>Bactrocera oleae</i> and its symbiont <i>Candidatus Erwinia dacicola</i> to olive feeding. <i>Scientific Reports</i> , 2017 , 7, 42633 | 4.9 | 31 |
| 122 | Draft Genome Sequence of Strain CBo1 Isolated from. <i>Genome Announcements</i> , 2017 , 5, | | 3 |
| 121 | A mutation in the PSST homologue of complex I (NADH:ubiquinone oxidoreductase) from <i>Tetranychus urticae</i> is associated with resistance to METI acaricides. <i>Insect Biochemistry and Molecular Biology</i> , 2017 , 80, 79-90 | 4.5 | 50 |
| 120 | Vertically transmitted rhabdoviruses are found across three insect families and have dynamic interactions with their hosts. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017 , 284, | 4.4 | 20 |
| 119 | mites do not mount an induced immune response against bacteria. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017 , 284, | 4.4 | 13 |
| 118 | International workshop on insecticide resistance in vectors of arboviruses, December 2016, Rio de Janeiro, Brazil. <i>Parasites and Vectors</i> , 2017 , 10, 278 | 4 | 15 |
| 117 | Analysis of population structure and insecticide resistance in mosquitoes of the genus <i>Culex</i> , <i>Anopheles</i> and <i>Aedes</i> from different environments of Greece with a history of mosquito borne disease transmission. <i>Acta Tropica</i> , 2017 , 174, 29-37 | 3.2 | 24 |

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| 116 | A glutathione-S-transferase (TuGSTd05) associated with acaricide resistance in <i>Tetranychus urticae</i> directly metabolizes the complex II inhibitor cyflumetofen. <i>Insect Biochemistry and Molecular Biology</i> , 2017 , 80, 101-115 | 4.5 | 41 |
| 115 | Identification and detection of indoxacarb resistance mutations in the para sodium channel of the tomato leafminer, <i>Tuta absoluta</i> . <i>Pest Management Science</i> , 2017 , 73, 1679-1688 | 4.6 | 20 |
| 114 | Carboxylesterase gene amplifications associated with insecticide resistance in <i>Aedes albopictus</i> : Geographical distribution and evolutionary origin. <i>PLoS Neglected Tropical Diseases</i> , 2017 , 11, e0005533 | 4.8 | 22 |
| 113 | Contemporary status of insecticide resistance in the major <i>Aedes</i> vectors of arboviruses infecting humans. <i>PLoS Neglected Tropical Diseases</i> , 2017 , 11, e0005625 | 4.8 | 317 |
| 112 | Mapping insecticide resistance and characterization of resistance mechanisms in <i>Anopheles arabiensis</i> (Diptera: Culicidae) in Ethiopia. <i>Parasites and Vectors</i> , 2017 , 10, 407 | 4 | 18 |
| 111 | Striking diflubenzuron resistance in <i>Culex pipiens</i> , the prime vector of West Nile Virus. <i>Scientific Reports</i> , 2017 , 7, 11699 | 4.9 | 40 |
| 110 | Contributions of cuticle permeability and enzyme detoxification to pyrethroid resistance in the major malaria vector <i>Anopheles gambiae</i> . <i>Scientific Reports</i> , 2017 , 7, 11091 | 4.9 | 63 |
| 109 | The relative contribution of target-site mutations in complex acaricide resistant phenotypes as assessed by marker assisted backcrossing in <i>Tetranychus urticae</i> . <i>Scientific Reports</i> , 2017 , 7, 9202 | 4.9 | 48 |
| 108 | Disruption of a horizontally transferred phytoene desaturase abolishes carotenoid accumulation and diapause in. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E5871-E5880 | 11.5 | 62 |
| 107 | Investigation of the contribution of RyR target-site mutations in diamide resistance by CRISPR/Cas9 genome modification in <i>Drosophila</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2017 , 87, 127-135 | 4.5 | 46 |
| 106 | Ryanodine receptor point mutations confer diamide insecticide resistance in tomato leafminer, <i>Tuta absoluta</i> (Lepidoptera: Gelechiidae). <i>Insect Biochemistry and Molecular Biology</i> , 2017 , 80, 11-20 | 4.5 | 82 |
| 105 | Molecular diagnostics for detecting pyrethroid and abamectin resistance mutations in <i>Tetranychus urticae</i> . <i>Pesticide Biochemistry and Physiology</i> , 2017 , 135, 9-14 | 4.9 | 28 |
| 104 | Insecticide resistance is mediated by multiple mechanisms in recently introduced <i>Aedes aegypti</i> from Madeira Island (Portugal). <i>PLoS Neglected Tropical Diseases</i> , 2017 , 11, e0005799 | 4.8 | 36 |
| 103 | Cytochrome P450 associated with insecticide resistance catalyzes cuticular hydrocarbon production in <i>Anopheles gambiae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 9268-73 | 11.5 | 177 |
| 102 | Tracking Insecticide Resistance in Mosquito Vectors of Arboviruses: The Worldwide Insecticide resistance Network (WIN). <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0005054 | 4.8 | 28 |
| 101 | Identification of Climatic Factors Affecting the Epidemiology of Human West Nile Virus Infections in Northern Greece. <i>PLoS ONE</i> , 2016 , 11, e0161510 | 3.7 | 15 |
| 100 | Draft Genome Sequence of the <i>Bactrocera oleae</i> Symbiont "Candidatus <i>Erwinia dacicola</i> ". <i>Genome Announcements</i> , 2016 , 4, | | 15 |
| 99 | Resistance mutation conserved between insects and mites unravels the benzoylurea insecticide mode of action on chitin biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 14692-14697 | 11.5 | 97 |

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| 98 | Functional and immunohistochemical characterization of CCEae3a, a carboxylesterase associated with temephos resistance in the major arbovirus vectors <i>Aedes aegypti</i> and <i>Ae. albopictus</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2016 , 74, 61-7 | 4.5 | 23 |
| 97 | Draft Genome Sequence of <i>Stenotrophomonas maltophilia</i> SBo1 Isolated from <i>Bactrocera oleae</i> . <i>Genome Announcements</i> , 2016 , 4, | | 8 |
| 96 | Automated innovative diagnostic, data management and communication tool, for improving malaria vector control in endemic settings. <i>Studies in Health Technology and Informatics</i> , 2016 , 224, 54-60 | 0.5 | 9 |
| 95 | Development of a lateral flow test to detect metabolic resistance in <i>Bemisia tabaci</i> mediated by CYP6CM1, a cytochrome P450 with broad spectrum catalytic efficiency. <i>Pesticide Biochemistry and Physiology</i> , 2015 , 121, 3-11 | 4.9 | 32 |
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