

John G Vontas

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#	Paper	IF	Citations
223	Acaricide resistance mechanisms in the two-spotted spider mite <i>Tetranychus urticae</i> and other important Acari: a review. <i>Insect Biochemistry and Molecular Biology</i> , 2010 , 40, 563-72	4.5	444
222	Glutathione S-transferases as antioxidant defence agents confer pyrethroid resistance in <i>Nilaparvata lugens</i> . <i>Biochemical Journal</i> , 2001 , 357, 65-72	3.8	376
221	Mosquito genomics. Highly evolvable malaria vectors: the genomes of 16 <i>Anopheles</i> mosquitoes. <i>Science</i> , 2015 , 347, 1258522	33.3	372
220	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
219	Over-expression of cytochrome P450 CYP6CM1 is associated with high resistance to imidacloprid in the B and Q biotypes of <i>Bemisia tabaci</i> (Hemiptera: Aleyrodidae). <i>Insect Biochemistry and Molecular Biology</i> , 2008 , 38, 634-44	4.5	281
218	The <i>Anopheles gambiae</i> detoxification chip: a highly specific microarray to study metabolic-based insecticide resistance in malaria vectors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 4080-4	11.5	261
217	A link between host plant adaptation and pesticide resistance in the polyphagous spider mite <i>Tetranychus urticae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E113-22	11.5	252
216	Glutathione S-transferases as antioxidant defence agents confer pyrethroid resistance in <i>Nilaparvata lugens</i> . <i>Biochemical Journal</i> , 2001 , 357, 65-72	3.8	235
215	Insecticide resistance in the major dengue vectors <i>Aedes albopictus</i> and <i>Aedes aegypti</i> . <i>Pesticide Biochemistry and Physiology</i> , 2012 , 104, 126-131	4.9	229
214	An overview of insecticide resistance. <i>Science</i> , 2002 , 298, 96-7	33.3	229
213	Detection of knockdown resistance (kdr) mutations in <i>Anopheles gambiae</i> : a comparison of two new high-throughput assays with existing methods. <i>Malaria Journal</i> , 2007 , 6, 111	3.6	215
212	Cross-induction of detoxification genes by environmental xenobiotics and insecticides in the mosquito <i>Aedes aegypti</i> : impact on larval tolerance to chemical insecticides. <i>Insect Biochemistry and Molecular Biology</i> , 2008 , 38, 540-51	4.5	198
211	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
210	Genome sequence of the Asian Tiger mosquito, <i>Aedes albopictus</i> , reveals insights into its biology, genetics, and evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E5907-15	11.5	172
209	Structural model and functional characterization of the <i>Bemisia tabaci</i> CYP6CM1vQ, a cytochrome P450 associated with high levels of imidacloprid resistance. <i>Insect Biochemistry and Molecular Biology</i> , 2009 , 39, 697-706	4.5	159
208	Gene expression in insecticide resistant and susceptible <i>Anopheles gambiae</i> strains constitutively or after insecticide exposure. <i>Insect Molecular Biology</i> , 2005 , 14, 509-21	3.4	148
207	Heterologous expression of four glutathione transferase genes genetically linked to a major insecticide-resistance locus from the malaria vector <i>Anopheles gambiae</i> . <i>Biochemical Journal</i> , 2003 , 373, 957-63	3.8	141

206	Purification, molecular cloning and heterologous expression of a glutathione S-transferase involved in insecticide resistance from the rice brown planthopper, Nilaparvata lugens. <i>Biochemical Journal</i> , 2002 , 362, 329-337	3.8	138
205	Gene amplification, ABC transporters and cytochrome P450s: unraveling the molecular basis of pyrethroid resistance in the dengue vector, Aedes aegypti. <i>PLoS Neglected Tropical Diseases</i> , 2012 , 6, e1692	4.8	128
204	Resistance-associated point mutations of organophosphate insensitive acetylcholinesterase, in the olive fruit fly Bactrocera oleae. <i>Insect Molecular Biology</i> , 2002 , 11, 329-36	3.4	127
203	The cys-loop ligand-gated ion channel gene family of Tetranychus urticae: implications for acaricide toxicology and a novel mutation associated with abamectin resistance. <i>Insect Biochemistry and Molecular Biology</i> , 2012 , 42, 455-65	4.5	120
202	Abamectin is metabolized by CYP392A16, a cytochrome P450 associated with high levels of acaricide resistance in Tetranychus urticae. <i>Insect Biochemistry and Molecular Biology</i> , 2014 , 46, 43-53	4.5	118
201	Insect cuticle: a critical determinant of insecticide resistance. <i>Current Opinion in Insect Science</i> , 2018 , 27, 68-74	5.1	117
200	Transcriptional analysis of insecticide resistance in Anopheles stephensi using cross-species microarray hybridization. <i>Insect Molecular Biology</i> , 2007 , 16, 315-24	3.4	106
199	Current status of insecticide resistance in Q biotype Bemisia tabaci populations from Crete. <i>Pest Management Science</i> , 2009 , 65, 313-22	4.6	99
198	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
197	Control of the olive fruit fly using genetics-enhanced sterile insect technique. <i>BMC Biology</i> , 2012 , 10, 51	7.3	96
196	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
195	PCR-based detection of Plasmodium in Anopheles mosquitoes: a comparison of a new high-throughput assay with existing methods. <i>Malaria Journal</i> , 2008 , 7, 177	3.6	94
194	Alternative strategies for mosquito-borne arbovirus control. <i>PLoS Neglected Tropical Diseases</i> , 2019 , 13, e0006822	4.8	93
193	Molecular analysis of resistance to acaricidal spirocyclic tetronic acids in Tetranychus urticae: CYP392E10 metabolizes spirodiclofen, but not its corresponding enol. <i>Insect Biochemistry and Molecular Biology</i> , 2013 , 43, 544-54	4.5	83
192	Characterization of inhibitors and substrates of Anopheles gambiae CYP6Z2. <i>Insect Molecular Biology</i> , 2008 , 17, 125-35	3.4	83
191	Ryanodine receptor point mutations confer diamide insecticide resistance in tomato leafminer, Tuta absoluta (Lepidoptera: Gelechiidae). <i>Insect Biochemistry and Molecular Biology</i> , 2017 , 80, 11-20	4.5	82
190	Identification of pyrethroid resistance associated mutations in the para sodium channel of the two-spotted spider mite Tetranychus urticae (Acari: Tetranychidae). <i>Insect Molecular Biology</i> , 2009 , 18, 583-93	3.4	82
189	Purification, molecular cloning and heterologous expression of a glutathione S-transferase involved in insecticide resistance from the rice brown planthopper, Nilaparvata lugens. <i>Biochemical Journal</i> , 2002 , 362, 329-37	3.8	82

188	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
187	Transcription profiling of eleven cytochrome P450s potentially involved in xenobiotic metabolism in the mosquito <i>Aedes aegypti</i> . <i>Insect Molecular Biology</i> , 2010 , 19, 185-93	3.4	79
186	Insecticide resistance in Tephritid flies. <i>Pesticide Biochemistry and Physiology</i> , 2011 , 100, 199-205	4.9	78
185	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
184	Pymetrozine is hydroxylated by CYP6CM1, a cytochrome P450 conferring neonicotinoid resistance in <i>Bemisia tabaci</i> . <i>Pest Management Science</i> , 2013 , 69, 457-61	4.6	69
183	Acetylcholinesterase point mutations in European strains of <i>Tetranychus urticae</i> (Acari: Tetranychidae) resistant to organophosphates. <i>Pest Management Science</i> , 2010 , 66, 220-8	4.6	68
182	Comparison of esterase gene amplification, gene expression and esterase activity in insecticide susceptible and resistant strains of the brown planthopper, <i>Nilaparvata lugens</i> (Stål). <i>Insect Molecular Biology</i> , 2000 , 9, 655-60	3.4	68
181	Truncated transcripts of nicotinic acetylcholine subunit gene <i>Bd8</i> are associated with spinosad resistance in <i>Bactrocera dorsalis</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2012 , 42, 806-15	4.5	66
180	Country-level operational implementation of the Global Plan for Insecticide Resistance Management. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 9397-402	11.5	65
179	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
178	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
177	Altered Acetylcholinesterase Confers Organophosphate Resistance in the Olive Fruit Fly <i>Bactrocera oleae</i> . <i>Pesticide Biochemistry and Physiology</i> , 2001 , 71, 124-132	4.9	58
176	A sensory appendage protein protects malaria vectors from pyrethroids. <i>Nature</i> , 2020 , 577, 376-380	50.4	57
175	Functional characterization of glutathione S-transferases associated with insecticide resistance in <i>Tetranychus urticae</i> . <i>Pesticide Biochemistry and Physiology</i> , 2015 , 121, 53-60	4.9	54
174	Assessment of the <i>Bemisia tabaci</i> CYP6CM1vQ transcript and protein levels in laboratory and field-derived imidacloprid-resistant insects and cross-metabolism potential of the recombinant enzyme. <i>Insect Science</i> , 2011 , 18, 23-29	3.6	51
173	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
172	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
171	Global distribution and origin of target site insecticide resistance mutations in <i>Tetranychus urticae</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2014 , 48, 17-28	4.5	50

170	Functional characterization of the <i>Tetranychus urticae</i> CYP392A11, a cytochrome P450 that hydroxylates the METI acaricides cyenopyrafen and fenpyroximate. <i>Insect Biochemistry and Molecular Biology</i> , 2015 , 65, 91-9	4.5	49
169	Genomewide transcriptional signatures of migratory flight activity in a globally invasive insect pest. <i>Molecular Ecology</i> , 2015 , 24, 4901-11	5.7	49
168	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
167	Detection of resistance-associated point mutations of organophosphate-insensitive acetylcholinesterase in the olive fruit fly, <i>Bactrocera oleae</i> (Gmelin). <i>Pesticide Biochemistry and Physiology</i> , 2005 , 81, 154-163	4.9	48
166	Development of high-throughput real-time PCR assays for the identification of insensitive acetylcholinesterase (ace-1R) in <i>Anopheles gambiae</i> . <i>Pesticide Biochemistry and Physiology</i> , 2010 , 96, 80-85	4.9	47
165	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
164	Identification of mutations in the para sodium channel of <i>Bemisia tabaci</i> from Crete, associated with resistance to pyrethroids. <i>Pesticide Biochemistry and Physiology</i> , 2006 , 85, 161-166	4.9	45
163	Insecticide resistance status of the codling moth <i>Cydia pomonella</i> (Lepidoptera: Tortricidae) from Greece. <i>Pesticide Biochemistry and Physiology</i> , 2011 , 100, 229-238	4.9	42
162	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
161	Dissecting the organ specificity of insecticide resistance candidate genes in <i>Anopheles gambiae</i> : known and novel candidate genes. <i>BMC Genomics</i> , 2014 , 15, 1018	4.5	41
160	Genetic elimination of field-cage populations of Mediterranean fruit flies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014 , 281,	4.4	41
159	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
158	Molecular characterization and detection of overexpressed C-14 alpha-demethylase-based DMI resistance in <i>Cercospora beticola</i> field isolates. <i>Pesticide Biochemistry and Physiology</i> , 2009 , 95, 18-27	4.9	40
157	Mechanisms of Acaricide Resistance in the Two-Spotted Spider Mite <i>Tetranychus urticae</i> 2009 , 347-393		40
156	Biological and molecular characterization of laboratory mutants of <i>Cercospora beticola</i> resistant to Qo inhibitors. <i>European Journal of Plant Pathology</i> , 2006 , 116, 155-166	2.1	40
155	Insecticide resistance in <i>Bemisia tabaci</i> from Cyprus. <i>Insect Science</i> , 2011 , 18, 30-39	3.6	39
154	Framework for rapid assessment and adoption of new vector control tools. <i>Trends in Parasitology</i> , 2014 , 30, 191-204	6.4	38
153	The Vector Population Monitoring Tool (VPMT): High-Throughput DNA-Based Diagnostics for the Monitoring of Mosquito Vector Populations. <i>Malaria Research and Treatment</i> , 2010 , 2010, 190434	2.5	37

152	Engineering sensitive glutathione transferase for the detection of xenobiotics. <i>Biosensors and Bioelectronics</i> , 2008 , 24, 498-503	11.8	37
151	Transcriptome Profiling and Genetic Study Reveal Amplified Carboxylesterase Genes Implicated in Temephos Resistance, in the Asian Tiger Mosquito <i>Aedes albopictus</i> . <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0003771	4.8	36
150	Transcription analysis of neonicotinoid resistance in Mediterranean (MED) populations of <i>B. tabaci</i> reveal novel cytochrome P450s, but no nAChR mutations associated with the phenotype. <i>BMC Genomics</i> , 2015 , 16, 939	4.5	36
149	Efficacy of the pyrethroid alpha-cypermethrin against <i>Bactrocera oleae</i> populations from Greece, and improved diagnostic for an iAChE mutation. <i>Pest Management Science</i> , 2008 , 64, 900-8	4.6	36
148	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
147	Resurgence of the cotton bollworm <i>Helicoverpa armigera</i> in northern Greece associated with insecticide resistance. <i>Insect Science</i> , 2013 , 20, 505-12	3.6	35
146	A horizontally transferred cyanase gene in the spider mite <i>Tetranychus urticae</i> is involved in cyanate metabolism and is differentially expressed upon host plant change. <i>Insect Biochemistry and Molecular Biology</i> , 2012 , 42, 881-9	4.5	34
145	Distribution and hybridization of <i>Culex pipiens</i> forms in Greece during the West Nile virus outbreak of 2010. <i>Infection, Genetics and Evolution</i> , 2013 , 16, 218-25	4.5	33
144	Molecular diagnostics for detecting pyrethroid and organophosphate resistance mutations in the Q biotype of the whitefly <i>Bemisia tabaci</i> (Hemiptera: Aleyrodidae). <i>Pesticide Biochemistry and Physiology</i> , 2009 , 94, 49-54	4.9	33
143	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
142	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
141	Mosquitoes cloak their legs to resist insecticides. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019 , 286, 20191091	4.4	32
140	Identification of a novel point mutation in the β -tubulin gene of <i>Botrytis cinerea</i> and detection of benzimidazole resistance by a diagnostic PCR-RFLP assay. <i>European Journal of Plant Pathology</i> , 2009 , 125, 97-107	2.1	32
139	Analysis of the Olive Fruit Fly <i>Bactrocera oleae</i> Transcriptome and Phylogenetic Classification of the Major Detoxification Gene Families. <i>PLoS ONE</i> , 2013 , 8, e66533	3.7	32
138	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
137	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
136	Affordable assays for genotyping single nucleotide polymorphisms in insects. <i>Insect Molecular Biology</i> , 2007 , 16, 377-87	3.4	30
135	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

134	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
133	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
132	Molecular characterization of the amplified aldehyde oxidase from insecticide resistant <i>Culex quinquefasciatus</i> . <i>FEBS Journal</i> , 2002 , 269, 768-79		28
131	A Simple Biochemical Assay for Glutathione S-Transferase Activity and Its Possible Field Application for Screening Glutathione S-Transferase-Based Insecticide Resistance. <i>Pesticide Biochemistry and Physiology</i> , 2000 , 68, 184-192	4.9	28
130	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
129	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
128	How do oral insecticidal compounds cross the insect midgut epithelium?. <i>Insect Biochemistry and Molecular Biology</i> , 2018 , 103, 22-35	4.5	28
127	MIRO and IRbase: IT tools for the epidemiological monitoring of insecticide resistance in mosquito disease vectors. <i>PLoS Neglected Tropical Diseases</i> , 2009 , 3, e465	4.8	27
126	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
125	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
124	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
123	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
122	Insecticide resistance status in the major West Nile virus vector <i>Culex pipiens</i> from Greece. <i>Pest Management Science</i> , 2014 , 70, 623-7	4.6	25
121	Geographical distribution and evolutionary history of organophosphate-resistant Ace alleles in the olive fly (<i>Bactrocera oleae</i>). <i>Insect Biochemistry and Molecular Biology</i> , 2006 , 36, 593-602	4.5	25
120	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
119	Acoustic detection of DNA conformation in genetic assays combined with PCR. <i>Scientific Reports</i> , 2013 , 3, 2033	4.9	24
118	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
117	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

116	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
115	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
114	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
113	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
112	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
111	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
110	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
109	Activity of flonicamid on the sweet potato whitefly <i>Bemisia tabaci</i> (Homoptera: Aleyrodidae) and its natural enemies. <i>Pest Management Science</i> , 2014 , 70, 1460-7	4.6	19
108	Transgenic expression of the <i>Aedes aegypti</i> CYP9J28 confers pyrethroid resistance in <i>Drosophila melanogaster</i> . <i>Pesticide Biochemistry and Physiology</i> , 2012 , 104, 132-135	4.9	19
107	Use of mutagenesis, genetic mapping and next generation transcriptomics to investigate insecticide resistance mechanisms. <i>PLoS ONE</i> , 2012 , 7, e40296	3.7	19
106	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
105	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
104	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
103	Effect of DMI-resistance mechanisms on cross-resistance patterns, fitness parameters and aflatoxin production in <i>Aspergillus parasiticus</i> Speare. <i>Fungal Genetics and Biology</i> , 2012 , 49, 792-801	3.9	18
102	A dehydrochlorinase-based pH change assay for determination of DDT in sprayed surfaces. <i>Analytical Biochemistry</i> , 2008 , 378, 60-4	3.1	18
101	Detection and Monitoring of Insecticide Resistance Mutations in <i>Anopheles gambiae</i> : Individual vs Pooled Specimens. <i>Genes</i> , 2018 , 9,	4.2	18
100	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
99	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

98	Only a minority of broad-range detoxification genes respond to a variety of phytotoxins in generalist Bemisia tabaci species. <i>Scientific Reports</i> , 2015 , 5, 17975	4.9	17
97	Efficacy of ketoenols on insecticide resistant field populations of two-spotted spider mite Tetranychus urticae and sweet potato whitefly Bemisia tabaci from Greece. <i>Crop Protection</i> , 2012 , 42, 305-311	2.7	17
96	The evolution of multiple-insecticide resistance in UK populations of tomato leafminer, Tuta absoluta. <i>Pest Management Science</i> , 2019 , 75, 2079-2085	4.6	17
95	Overexpression of an alternative allele of carboxyl/choline esterase 4 (CCE04) of Tetranychus urticae 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
94	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
93	A new dibenzoylhydrazine with insecticidal activity against Anopheles mosquito larvae. <i>Pest Management Science</i> , 2013 , 69, 827-33	4.6	16
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