You-jun Zhang

List of Publications by Citations

239 papers	7,053 citations	44 h-index	75 g-index
250 ext. papers	8,986 ext. citations	4.5 avg, IF	5.71 L-index

#	Paper	IF	Citations
239	Genome sequence and analysis of the tuber crop potato. *Nature*, **2011**, 475, 189-95	50.4	1438
238	THE INTRODUCTION OF THE EXOTIC Q BIOTYPE OF BEMISIA TABACI FROM THE MEDITERRANEAN REGION INTO CHINA ON ORNAMENTAL CROPS. *Florida Entomologist*, **2006**, 89, 168-174	1	184
237	Translocation of branched-chain arginine peptides through cell membranes: flexibility in the spatial disposition of positive charges in membrane-permeable peptides. *Biochemistry*, **2002**, 41, 7925-30	3.2	146
236	MAPK signaling pathway alters expression of midgut ALP and ABCC genes and causes resistance to Bacillus thuringiensis Cry1Ac toxin in diamondback moth. *PLoS Genetics*, **2015**, 11, e1005124	6	138
235	Reference gene selection for qRT-PCR analysis in the sweetpotato whitefly, Bemisia tabaci (Hemiptera: Aleyrodidae). *PLoS ONE*, **2013**, 8, e53006	3.7	126
234	Exploring valid reference genes for quantitative real-time PCR analysis in Plutella xylostella (Lepidoptera: Plutellidae). *International Journal of Biological Sciences*, **2013**, 9, 792-802	11.2	117
233	Further spread of and domination by Bemisia tabaci (Hemiptera: Aleyrodidae) biotype Q on field crops in China. *Journal of Economic Entomology*, **2011**, 104, 978-85	2.2	117
232	Analysis of genetic diversity among different geographical populations and determination of biotypes of Bemisia tabaci in China. *Journal of Applied Entomology*, **2005**, 129, 121-128	1.7	116
231	Multiple forms of vector manipulation by a plant-infecting virus: Bemisia tabaci and tomato yellow leaf curl virus. *Journal of Virology*, **2013**, 87, 4929-37	6.6	111
230	Rapid spread of tomato yellow leaf curl virus in China is aided differentially by two invasive whiteflies. *PLoS ONE*, **2012**, 7, e34817	3.7	91
229	Cross-resistance study and biochemical mechanisms of thiamethoxam resistance in B-biotype Bemisia tabaci (Hemiptera: Aleyrodidae). *Pest Management Science*, **2010**, 66, 313-8	4.6	85
228	Progress and Prospects of CRISPR/Cas Systems in Insects and Other Arthropods. *Frontiers in Physiology*, **2017**, 8, 608	4.6	82
227	The whitefly-associated facultative symbiont Hamiltonella defensa suppresses induced plant defences in tomato. *Functional Ecology*, **2015**, 29, 1007-1018	5.6	81
226	Down-regulation of a novel ABC transporter gene (Pxwhite) is associated with Cry1Ac resistance in the diamondback moth, Plutella xylostella (L.). *Insect Biochemistry and Molecular Biology*, **2015**, 59, 30-40	4.5	74
225	Selection and evaluation of reference genes for expression analysis using qRT-PCR in the beet armyworm Spodoptera exigua (Hübner) (Lepidoptera: Noctuidae). *PLoS ONE*, **2014**, 9, e84730	3.7	73
224	Insect symbiont facilitates vector acquisition, retention, and transmission of plant virus. *Scientific Reports*, **2013**, 3, 1367	4.9	68
223	Tomato yellow leaf curl virus alters the host preferences of its vector Bemisia tabaci. *Scientific Reports*, **2013**, 3, 2876	4.9	67

222	Factors affecting population dynamics of maternally transmitted endosymbionts in Bemisia tabaci. *PLoS ONE*, **2012**, 7, e30760	3.7	65
221	Life history of western flower thrips, Frankliniella occidentalis (Thysan., Thripae), on five different vegetable leaves. *Journal of Applied Entomology*, **2007**, 131, 347-354	1.7	65
220	Midgut transcriptome response to a Cry toxin in the diamondback moth, Plutella xylostella (Lepidoptera: Plutellidae). *Gene*, **2014**, 533, 180-7	3.8	64
219	Transcriptome profiling of the whitefly Bemisia tabaci reveals stage-specific gene expression signatures for thiamethoxam resistance. *Insect Molecular Biology*, **2013**, 22, 485-96	3.4	64
218	Further insights into the strange role of bacterial endosymbionts in whitefly, Bemisia tabaci: comparison of secondary symbionts from biotypes B and Q in China. *Bulletin of Entomological Research*, **2011**, 101, 477-86	1.7	64
217	Two cytochrome P450 genes are involved in imidacloprid resistance in field populations of the whitefly, Bemisia tabaci, in China. *Pesticide Biochemistry and Physiology*, **2013**, 107, 343-50	4.9	63
216	Fitness costs and morphological change of laboratory-selected thiamethoxam resistance in the B-type Bemisia tabaci (Hemiptera: Aleyrodidae). *Journal of Applied Entomology*, **2009**, 133, 466-472	1.7	62
215	Genome sequencing of the sweetpotato whitefly Bemisia tabaci MED/Q. *GigaScience*, **2017**, 6, 1-7	7.6	60
214	Sublethal effects of spinosad on Plutella xylostella (Lepidoptera: Yponomeutidae). *Crop Protection*, **2008**, 27, 1385-1391	2.7	57
213	Pyrosequencing the Bemisia tabaci transcriptome reveals a highly diverse bacterial community and a robust system for insecticide resistance. *PLoS ONE*, **2012**, 7, e35181	3.7	56
212	Glutathione S-transferases are involved in thiamethoxam resistance in the field whitefly Bemisia tabaci Q (Hemiptera: Aleyrodidae). *Pesticide Biochemistry and Physiology*, **2016**, 134, 73-78	4.9	56
211	Status of insecticide resistance and associated mutations in Q-biotype of whitefly, Bemisia tabaci, from eastern China. *Crop Protection*, **2012**, 31, 67-71	2.7	54
210	Transmission of Tomato Yellow Leaf Curl Virus by Bemisia tabaci as Affected by Whitefly Sex and Biotype. *Scientific Reports*, **2015**, 5, 10744	4.9	53
209	Synthesis and insecticidal activity of N-tert-butyl-N,NRdiacylhydrazines containing 1,2,3-thiadiazoles. *Journal of Agricultural and Food Chemistry*, **2011**, 59, 628-34	5.7	53
208	Insecticides promote viral outbreaks by altering herbivore competition **2015**, 25, 1585-95		52
207	MAPK-directed activation of the whitefly transcription factor leads to P450-mediated imidacloprid resistance. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 10246-10253	11.5	52
206	CRISPR/Cas9-mediated knockout of both the PxABCC2 and PxABCC3 genes confers high-level resistance to Bacillus thuringiensis Cry1Ac toxin in the diamondback moth, Plutella xylostella (L.). *Insect Biochemistry and Molecular Biology*, **2019**, 107, 31-38	4.5	51
205	Induction effects of host plants on insecticide susceptibility and detoxification enzymes of Bemisia tabaci (Hemiptera: Aleyrodidae). *Pest Management Science*, **2011**, 67, 87-93	4.6	50

204	Arginine carrier peptide bearing Ni(II) chelator to promote cellular uptake of histidine-tagged proteins. *Bioconjugate Chemistry*, **2004**, 15, 475-81	6.3	50
203	The novel ABC transporter ABCH1 is a potential target for RNAi-based insect pest control and resistance management. *Scientific Reports*, **2015**, 5, 13728	4.9	49
202	Difference in feeding behaviors of two invasive whiteflies on host plants with different suitability: implication for competitive displacement. *International Journal of Biological Sciences*, **2012**, 8, 697-706	11.2	49
201	Tissue-specific transcriptome profiling of Plutella xylostella third instar larval midgut. *International Journal of Biological Sciences*, **2012**, 8, 1142-55	11.2	47
200	Manipulation of Host Quality and Defense by a Plant Virus Improves Performance of Whitefly Vectors. *Journal of Economic Entomology*, **2015**, 108, 11-9	2.2	46
199	Effects of Temperature on the Age-Stage, Two-Sex Life Table of Bradysia odoriphaga (Diptera: Sciaridae). *Journal of Economic Entomology*, **2015**, 108, 126-34	2.2	46
198	Differential effects of an exotic plant virus on its two closely related vectors. *Scientific Reports*, **2013**, 3, 2230	4.9	46
197	Symbiont-mediated functions in insect hosts. *Communicative and Integrative Biology*, **2013**, 6, e23804	1.7	45
196	Selection of Reference Genes for the Normalization of RT-qPCR Data in Gene Expression Studies in Insects: A Systematic Review. *Frontiers in Physiology*, **2018**, 9, 1560	4.6	44
195	Transcriptomic and proteomic responses of sweetpotato whitefly, Bemisia tabaci, to thiamethoxam. *PLoS ONE*, **2013**, 8, e61820	3.7	43
194	Evaluation of Housekeeping Genes for Quantitative Real-Time PCR Analysis of Bradysia odoriphaga (Diptera: Sciaridae). *International Journal of Molecular Sciences*, **2016**, 17,	6.3	43
193	Dynamic monitoring (B versus Q) and further resistance status of Q-type Bemisia tabaci in China. *Crop Protection*, **2017**, 94, 115-122	2.7	42
192	Genome-wide analysis of ATP-binding cassette (ABC) transporters in the sweetpotato whitefly, Bemisia tabaci. *BMC Genomics*, **2017**, 18, 330	4.5	42
191	Invasive mechanism and management strategy of Bemisia tabaci (Gennadius) biotype B: progress report of 973 Program on invasive alien species in China. *Science in China Series C: Life Sciences*, **2009**, 52, 88-95		42
190	Host preference and nymph performance of B and Q putative species of Bemisia tabaci on three host plants. *Journal of Pest Science*, **2012**, 85, 423-430	5.5	41
189	Transmission Efficiency, Preference and Behavior of MEAM1 and MED under the Influence of Tomato Chlorosis Virus. *Frontiers in Plant Science*, **2017**, 8, 2271	6.2	40
188	Gramicidin-based channel systems for the detection of protein-ligand interaction. *Bioorganic and Medicinal Chemistry*, **2004**, 12, 1343-50	3.4	39
187	Tomato yellow leaf curl virus differentially influences plant defence responses to a vector and a non-vector herbivore. *Plant, Cell and Environment*, **2016**, 39, 597-607	8.4	39

186	Cryptic Invasion of the ExoticBemisia tabaciBiotype Q Occurred Widespread in Shandong Province of China. *Florida Entomologist*, **2010**, 93, 203-207	1	38
185	Whitefly hijacks a plant detoxification gene that neutralizes plant toxins. *Cell*, **2021**, 184, 1693-1705.e17	56.2	37
184	Bemisia tabaci Q carrying tomato yellow leaf curl virus strongly suppresses host plant defenses. *Scientific Reports*, **2014**, 4, 5230	4.9	36
183	The endosymbiont Hamiltonella increases the growth rate of its host Bemisia tabaci during periods of nutritional stress. *PLoS ONE*, **2014**, 9, e89002	3.7	36
182	Facultative symbiont Hamiltonella confers benefits to Bemisia tabaci (Hemiptera: Aleyrodidae), an invasive agricultural pest worldwide. *Environmental Entomology*, **2013**, 42, 1265-71	2.1	35
181	Plant virus differentially alters the plant's defense response to its closely related vectors. *PLoS ONE* , **2013**, 8, e83520	3.7	35
180	Development of Bradysia odoriphaga (Diptera: Sciaridae) as affected by humidity: an age-stage, two-sex, life-table study. *Applied Entomology and Zoology*, **2015**, 50, 3-10	1.5	34
179	Virus infection of a weed increases vector attraction to and vector fitness on the weed. *Scientific Reports*, **2013**, 3, 2253	4.9	34
178	A Highly Efficient -Mediated Method for Transient Gene Expression and Functional Studies in Multiple Plant Species. *Plant Communications*, **2020**, 1, 100028	9	33
177	Relative amount of symbionts in insect hosts changes with host-plant adaptation and insecticide resistance. *Environmental Entomology*, **2013**, 42, 74-8	2.1	33
176	Sublethal effects of spinetoram on the two-spotted spider mite, Tetranychus urticae (Acari: Tetranychidae). *Pesticide Biochemistry and Physiology*, **2016**, 132, 102-7	4.9	33
175	Identification of glutathione S-transferases in Bemisia tabaci (Hemiptera: Aleyrodidae) and evidence that GSTd7 helps explain the difference in insecticide susceptibility between B. tabaci Middle East-Minor Asia 1 and Mediterranean. *Insect Molecular Biology*, **2018**, 27, 22-35	3.4	31
174	MAPK-dependent hormonal signaling plasticity contributes to overcoming Bacillus thuringiensis toxin action in an insect host. *Nature Communications*, **2020**, 11, 3003	17.4	30
173	Cross-resistance and biochemical mechanisms of abamectin resistance in the western flower thrips, Frankliniella occidentalis. *Pesticide Biochemistry and Physiology*, **2011**, 101, 34-38	4.9	30
172	Construction and characterisation of near-isogenic Plutella xylostella (Lepidoptera: Plutellidae) strains resistant to Cry1Ac toxin. *Pest Management Science*, **2015**, 71, 225-33	4.6	29
171	The midgut cadherin-like gene is not associated with resistance to Bacillus thuringiensis toxin Cry1Ac in Plutella xylostella (L.). *Journal of Invertebrate Pathology*, **2015**, 126, 21-30	2.6	29
170	Sensitivity of Bemisia tabaci (Hemiptera: Aleyrodidae) to several new insecticides in China: effects of insecticide type and whitefly species, strain, and stage. *Journal of Insect Science*, **2014**, 14, 261	2	29
169	Investigation of the genetic diversity of an invasive whitefly (Bemisia tabaci) in China using both mitochondrial and nuclear DNA markers. *Bulletin of Entomological Research*, **2011**, 101, 467-75	1.7	29

168	Status of pesticide resistance and associated mutations in the two-spotted spider mite, Tetranychus urticae, in China. *Pesticide Biochemistry and Physiology*, **2018**, 150, 89-96	4.9	28
167	Transcriptome analysis of Barbarea vulgaris infested with diamondback moth (Plutella xylostella) larvae. *PLoS ONE*, **2013**, 8, e64481	3.7	27
166	Resistance Monitoring for Eight Insecticides on the Sweetpotato Whitefly (Hemiptera: Aleyrodidae) in China. *Journal of Economic Entomology*, **2017**, 110, 660-666	2.2	26
165	Genome-wide analysis of odorant-binding proteins and chemosensory proteins in the sweet potato whitefly, Bemisia tabaci. *Insect Science*, **2019**, 26, 620-634	3.6	26
164	A salivary ferritin in the whitefly suppresses plant defenses and facilitates host exploitation. *Journal of Experimental Botany*, **2019**, 70, 3343-3355	7	24
163	Flow cytometry and K-mer analysis estimates of the genome sizes of Bemisia tabaci B and Q (Hemiptera: Aleyrodidae). *Frontiers in Physiology*, **2015**, 6, 144	4.6	24
162	Lack of fitness costs and inheritance of resistance to Bacillus thuringiensis Cry1Ac toxin in a near-isogenic strain of Plutella xylostella (Lepidoptera: Plutellidae). *Pest Management Science*, **2016**, 72, 289-97	4.6	23
161	Detoxification enzymes of Bemisia tabaci B and Q: biochemical characteristics and gene expression profiles. *Pest Management Science*, **2014**, 70, 1588-94	4.6	23
160	Changes in the expression of four ABC transporter genes in response to imidacloprid in Bemisia tabaci Q (Hemiptera: Aleyrodidae). *Pesticide Biochemistry and Physiology*, **2019**, 153, 136-143	4.9	23
159	A whitefly effector Bsp9 targets host immunity regulator WRKY33 to promote performance. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2019**, 374, 20180313	5.8	22
158	Whitefly aggregation on tomato is mediated by feeding-induced changes in plant metabolites that influence the behaviour and performance of conspecifics. *Functional Ecology*, **2018**, 32, 1180-1193	5.6	22
157	Differences in host selection and performance between B and Q putative species of Bemisia tabaci on three host plants. *Entomologia Experimentalis Et Applicata*, **2013**, 147, 1-8	2.1	22
156	The invasive MED/Q Bemisia tabaci genome: a tale of gene loss and gene gain. *BMC Genomics*, **2018**, 19, 68	4.5	21
155	Reduced expression of the P-glycoprotein gene PxABCB1 is linked to resistance to Bacillus thuringiensis Cry1Ac toxin in Plutella xylostella (L.). *Pest Management Science*, **2020**, 76, 712-720	4.6	21
154	Focc, a truncated nAChR subunit, positively correlates with spinosad resistance in the western flower thrips, Frankliniella occidentalis (Pergande). *Insect Biochemistry and Molecular Biology*, **2018**, 99, 1-10	4.5	21
153	Field resistance monitoring of the immature stages of the whitefly Bemisia tabaci to spirotetramat in China. *Crop Protection*, **2017**, 98, 243-247	2.7	20
152	Proteomics-based identification of midgut proteins correlated with Cry1Ac resistance in Plutella xylostella (L.). *Pesticide Biochemistry and Physiology*, **2016**, 132, 108-17	4.9	20
151	The Salicylic Acid-Mediated Release of Plant Volatiles Affects the Host Choice of Bemisia tabaci. *International Journal of Molecular Sciences*, **2016**, 17,	6.3	20

150	Transcriptomic dissection of sexual differences in Bemisia tabaci, an invasive agricultural pest worldwide. *Scientific Reports*, **2014**, 4, 4088	4.9	19
149	Odor, Not Performance, Dictates Bee Selection between Healthy and Virus Infected Plants. *Frontiers in Physiology*, **2017**, 8, 146	4.6	19
148	Tomato spotted wilt virus infection reduces the fitness of a nonvector herbivore on pepper. *Journal of Economic Entomology*, **2013**, 106, 924-8	2.2	18
147	Demographic changes in multigeneration Plutella xylostella (Lepidoptera: Plutellidae) after exposure to sublethal concentrations of spinosad. *Journal of Economic Entomology*, **2009**, 102, 357-65	2.2	18
146	Effects of Heat Shock on the Bradysia odoriphaga (Diptera: Sciaridae). *Journal of Economic Entomology*, **2017**, 110, 1630-1638	2.2	17
145	Evidence for rapid spatiotemporal changes in genetic structure of an alien whitefly during initial invasion. *Scientific Reports*, **2014**, 4, 4396	4.9	17
144	Effects of sublethal concentrations of bifenthrin on the two-spotted spider mite, Tetranychus urticae (Acari: Tetranychidae). *Systematic and Applied Acarology*, **2014**, 19, 481	0.8	17
143	A 36-bp deletion in the alpha subunit of glutamate-gated chloride channel contributes to abamectin resistance in Plutella xylostella. *Entomologia Experimentalis Et Applicata*, **2014**, 153, 85-92	2.1	17
142	Molecular cloning and characterization of a P-glycoprotein from the diamondback moth, Plutella xylostella (Lepidoptera: Plutellidae). *International Journal of Molecular Sciences*, **2013**, 14, 22891-905	6.3	17
141	Identification and Characterization of the Gene CYP340W1 from Plutella xylostella and Its Possible Involvement in Resistance to Abamectin. *International Journal of Molecular Sciences*, **2016**, 17, 274	6.3	17
140	Three-way interactions between the tomato plant, tomato yellow leaf curl virus, and Bemisia tabaci (Hemiptera: Aleyrodidae) facilitate virus spread. *Journal of Economic Entomology*, **2014**, 107, 920-6	2.2	16
139	Gene expression profiling in the thiamethoxam resistant and susceptible B-biotype sweetpotato whitefly, Bemisia tabaci. *Journal of Insect Science*, **2012**, 12, 46	2	16
138	Insect Transcription Factors: A Landscape of Their Structures and Biological Functions in and beyond. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	16
137	RNA interference-mediated knockdown of the hydroxyacid-oxoacid transhydrogenase gene decreases thiamethoxam resistance in adults of the whitefly Bemisia tabaci. *Scientific Reports*, **2017**, 7, 41201	4.9	15
136	Fitness Trade-Off Associated With Spinosad Resistance in Frankliniella occidentalis (Thysanoptera: Thripidae). *Journal of Economic Entomology*, **2017**, 110, 1755-1763	2.2	15
135	The β nicotinic acetylcholine receptor subunit of Frankliniella occidentalis is not involved in resistance to spinosad. *Pesticide Biochemistry and Physiology*, **2014**, 111, 60-7	4.9	15
134	Effects of host, temperature and relative humidity on competitive displacement of two invasive Bemisia tabaci biotypes [Q and B]. *Insect Science*, **2012**, 19, 595-603	3.6	15
133	Interspecific interactions between Bemisia tabaci (Hem., Aleyrodidae) and Liriomyza sativae (Dipt., Agromyzidae). *Journal of Applied Entomology*, **2005**, 129, 443-446	1.7	15

132	Insight into the Migration Routes of Plutella xylostella in China Using mtCOI and ISSR Markers. *PLoS ONE*, **2015**, 10, e0130905	3.7	15
131	Expression of cadherin, aminopeptidase N and alkaline phosphatase genes in Cry1Ac-susceptible and Cry1Ac-resistant strains of Plutella xylostella (L.). *Journal of Applied Entomology*, **2012**, 136, 539-548	1.7	14
130	Identification and characterization of doublesex in Bemisia tabaci. *Insect Molecular Biology*, **2018**, 27, 620-632	3.4	13
129	Implication of heat-shock protein 70 and UDP-glucuronosyltransferase in thiamethoxam-induced whitefly Bemisia tabaci thermotolerance. *Journal of Pest Science*, **2018**, 91, 469-478	5.5	13
128	Differing effects of cabbage and pepper on B and Q putative species of Bemisia tabaci. *Journal of Pest Science*, **2014**, 87, 629-637	5.5	13
127	The suitability of biotypes Q and B of Bemisia tabaci (Gennadius) (Hemiptera: Aleyrodidae) at different nymphal instars as hosts for Encarsia formosa Gahan (Hymenoptera: Aphelinidae). *PeerJ*, **2016**, 4, e1863	3.1	13
126	Tissue-specific Proteogenomic Analysis of Plutella xylostella Larval Midgut Using a Multialgorithm Pipeline. *Molecular and Cellular Proteomics*, **2016**, 15, 1791-807	7.6	12
125	Control of Bradysia odoriphaga (Diptera: Sciaridae) by soil solarization. *Crop Protection*, **2018**, 114, 76-82	2.7	12
124	Demonstration of an adaptive response to preconditioning Frankliniella occidentalis (Pergande) to sublethal doses of spinosad: a hormetic-dose response. *Ecotoxicology*, **2015**, 24, 1141-51	2.9	12
123	Stage-Specific Expression of Resistance to Different Acaricides in Four Field Populations of Tetranychus urticae (Acari: Tetranychidae). *Journal of Economic Entomology*, **2014**, 107, 1900-7	2.2	12
122	Location of symbionts in the whitefly Bemisia tabaci affects their densities during host development and environmental stress. *PLoS ONE*, **2014**, 9, e91802	3.7	12
121	Effects of Host Plant Factors on the Bacterial Communities Associated with Two Whitefly Sibling Species. *PLoS ONE*, **2016**, 11, e0152183	3.7	12
120	Transcriptome analyses reveal key genes involved in skin color changes of Xinlimei radish taproot. *Plant Physiology and Biochemistry*, **2019**, 139, 528-539	5.4	11
119	Direct and indirect plant defenses induced by (Z)-3-hexenol in tomato against whitefly attack. *Journal of Pest Science*, **2020**, 93, 1243-1254	5.5	11
118	Plants Pre-Infested With Viruliferous MED/Q Cryptic Species Promotes Subsequent Infestation. *Frontiers in Microbiology*, **2018**, 9, 1404	5.7	11
117	Frequencies of the M918I mutation in the sodium channel of the diamondback moth in China, Thailand and Japan and its association with pyrethroid resistance. *Pesticide Biochemistry and Physiology*, **2012**, 102, 142-145	4.9	11
116	The ability to manipulate plant glucosinolates and nutrients explains the better performance of Middle East-Asia Minor 1 than Mediterranean on cabbage plants. *Ecology and Evolution*, **2017**, 7, 6141-6150	2.8	11
115	A bioassay for evaluation of the resistance of Tetranychus urticae (Acari: Tetranychidae) to selected acaricides. *Systematic and Applied Acarology*, **2015**, 20, 579	0.8	11

114	Feeding Delivery of dsHvSnf7 Is a Promising Method for Management of the Pest (Coleoptera: Coccinellidae). *Insects*, **2019**, 11,	2.8	10
113	Population dynamics of the diamondback moth, Plutella xylostella (L.), in northern China: the effects of migration, cropping patterns and climate. *Pest Management Science*, **2018**, 74, 1845-1853	4.6	10
112	Tomato Plant Flavonoids Increase Whitefly Resistance and Reduce Spread of Tomato yellow leaf curl virus. *Journal of Economic Entomology*, **2019**, 112, 2790-2796	2.2	10
111	Neonicotinoid resistance and cDNA sequences of nicotinic acetylcholine receptor subunits of the western flower thrips Frankliniella occidentalis (Thysanoptera: Thripidae). *Applied Entomology and Zoology*, **2013**, 48, 507-513	1.5	10
110	Virus-Infected Plants Altered the Host Selection of , a Parasitoid of Whiteflies. *Frontiers in Physiology*, **2017**, 8, 937	4.6	10
109	Transcriptome analysis of host-associated differentiation in Bemisia tabaci (Hemiptera: Aleyrodidae). *Frontiers in Physiology*, **2014**, 5, 487	4.6	10
108	Relative amount of symbionts in Bemisia tabaci (Gennadius) Q changes with host plant and establishing the method of analyzing free amino acid in B. tabaci. *Communicative and Integrative Biology*, **2013**, 6, e23397	1.7	10
107	Effects of injecting cadherin gene dsRNA on growth and development in diamondback moth Plutella xylostella (Lep.: Plutellidae). *Journal of Applied Entomology*, **2009**, 133, 75-81	1.7	10
106	Lack of correlation between host choice and feeding efficiency for the B and Q putative species of Bemisia tabaci on four pepper genotypes. *Journal of Pest Science*, **2018**, 91, 133-143	5.5	10
105	The Combined Effect of Elevated O3 Levels and TYLCV Infection Increases the Fitness of Bemisia tabaci Mediterranean on Tomato Plants. *Environmental Entomology*, **2019**, 48, 1425-1433	2.1	9
104	Amino Acid Utilization May Explain Why Q and B Differ in Their Performance on Plants Infected by the. *Frontiers in Physiology*, **2019**, 10, 489	4.6	9
103	Duplication of acetylcholinesterase gene in diamondback moth strains with different sensitivities to acephate. *Insect Biochemistry and Molecular Biology*, **2014**, 48, 83-90	4.5	9
102	Population genetics of an alien whitefly in China: implications for its dispersal and invasion success. *Scientific Reports*, **2017**, 7, 2228	4.9	9
101	Synthesis, Bioactivities and Structure Activity Relationship of N-4-Methyl-1,2,3-thiadiazole-5-carbonyl-N?-phenyl Ureas. *Chinese Journal of Chemistry*, **2012**, 30, 2522-2532	4.9	9
100	Sex affects the infection frequencies of symbionts in Bemisia tabaci. *Communicative and Integrative Biology*, **2012**, 5, 337-9	1.7	9
99	Comprehensive analysis of Cry1Ac protoxin activation mediated by midgut proteases in susceptible and resistant Plutella xylostella (L.). *Pesticide Biochemistry and Physiology*, **2020**, 163, 23-30	4.9	9
98	Epitranscriptomic regulation of insecticide resistance. *Science Advances*, **2021**, 7,	14.3	9
97	Oral delivery of dsHvlwr is a feasible method for managing the pest Henosepilachna vigintioctopunctata (Coleoptera: Coccinellidae). *Insect Science*, **2021**, 28, 509-520	3.6	9

96	Effects of plant virus and its insect vector on Encarsia formosa, a biocontrol agent of whiteflies. *Scientific Reports*, **2014**, 4, 5926	4.9	8
95	Double-stranded RNA targeting vATPase B reveals a potential target for pest management of Henosepilachna vigintioctopunctata. *Pesticide Biochemistry and Physiology*, **2020**, 165, 104555	4.9	8
94	Tomato spotted wilt orthotospovirus influences the reproduction of its insect vector, western flower thrips, Frankliniella occidentalis, to facilitate transmission. *Pest Management Science*, **2020**, 76, 2406-2414	4.6	8
93	Genome-wide Identification and Expression Analysis of Amino Acid Transporters in the Whitefly, (Gennadius). *International Journal of Biological Sciences*, **2017**, 13, 735-747	11.2	8
92	Control of Bradysia odoriphaga (Diptera: Sciaridae) With Allyl Isothiocyanate Under Field and Greenhouse Conditions. *Journal of Economic Entomology*, **2017**, 110, 1127-1132	2.2	8
91	Genome-Wide Characterization and Expression Profiling of Sugar Transporter Family in the Whitefly, (Gennadius) (Hemiptera: Aleyrodidae). *Frontiers in Physiology*, **2017**, 8, 322	4.6	8
90	Plant-mediated changes in the feeding behavior of an invasive whitefly. *Environmental Entomology*, **2013**, 42, 980-6	2.1	8
89	Population structure of the greenhouse whitefly, Trialeurodes vaporariorum (Westwood), an invasive species from the Americas, 60 years after invading China. *International Journal of Molecular Sciences*, **2014**, 15, 13514-28	6.3	8
88	The regulation landscape of MAPK signaling cascade for thwarting Bacillus thuringiensis infection in an insect host. *PLoS Pathogens*, **2021**, 17, e1009917	7.6	8
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