

Frank J Byrne

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,603
citations

236925

25
h-index

302126

39
g-index

48
all docs

48
docs citations

48
times ranked

1060
citing authors

#	ARTICLE	IF	CITATIONS
1	Pyrethroid and organophosphate resistance in the tobacco whitefly <i>Bemisia tabaci</i> (Homoptera: Tj ETQq1 1,0,784314 rgBT /Ove 149	1.0	149
2	Spatial and temporal distribution of imidacloprid and thiamethoxam in citrus and impact on <i>Homalodisca coagulata</i> populations. <i>Pest Management Science</i> , 2005, 61, 75-84.	3.4	109
3	Distribution of <i>Bemisia tabaci</i> (Hemiptera: Aleyrodidae) Biotypes in Florida—Investigating the Q Invasion. <i>Journal of Economic Entomology</i> , 2009, 102, 670-676.	1.8	99
4	Biochemical study of resistance to imidacloprid in B biotype <i>Bemisia tabaci</i> from Guatemala. <i>Pest Management Science</i> , 2003, 59, 347-352.	3.4	92
5	Extraordinary Resistance to Insecticides Reveals Exotic Q Biotype of <i>Bemisia tabaci</i> in the New World. <i>Journal of Economic Entomology</i> , 2010, 103, 2174-2186.	1.8	91
6	Distribution of <i>Bemisia tabaci</i> (Hemiptera: Aleyrodidae) Biotypes in North America After the Q Invasion. <i>Journal of Economic Entomology</i> , 2012, 105, 753-766.	1.8	81
7	The role of B-type esterases in conferring insecticide resistance in the tobacco whitefly, <i>Bemisia tabaci</i> (Genn). <i>Pest Management Science</i> , 2000, 56, 867-874.	3.4	68
8	Biochemical identification of interbreeding between B-type and non B-type strains of the tobacco whitefly <i>Bemisia tabaci</i> . <i>Biochemical Genetics</i> , 1995, 33, 13-23.	1.7	54
9	First Report of B-Biotype <i>Bemisia tabaci</i> (Gennadius) (Hemiptera: Aleyrodidae) in Australia. <i>Australian Journal of Entomology</i> , 1995, 34, 116-116.	1.1	52
10	In vivo inhibition of esterase and acetylcholinesterase activities by profenofos treatments in the tobacco whitefly <i>Bemisia tabaci</i> (Genn.): Implications for routine biochemical monitoring of these enzymes. <i>Pesticide Biochemistry and Physiology</i> , 1991, 40, 198-204.	3.6	51
11	A biochemical and toxicological study of the role of insensitive acetylcholinesterase in organophosphorus resistant <i>Bemisia tabaci</i> (Homoptera: Aleyrodidae) from Israel. <i>Bulletin of Entomological Research</i> , 1994, 84, 179-184.	1.0	46
12	Uptake and persistence of imidacloprid in grapevines treated by chemigation. <i>Crop Protection</i> , 2006, 25, 831-834.	2.1	44
13	Considerations for the use of neonicotinoid pesticides in management of <i>Bactericera cockerelli</i> (Åulk) (Hemiptera: Triozidae). <i>Crop Protection</i> , 2013, 54, 84-91.	2.1	42
14	Effects of Insecticides on Behavior of Adult <i>Bactericera cockerelli</i> (Hemiptera: Triozidae) and Transmission of <i>Candidatus Liberibacter psyllaurous</i> . <i>Journal of Economic Entomology</i> , 2011, 104, 586-594.	1.8	39
15	Determination of exposure levels of honey bees foraging on flowers of mature citrus trees previously treated with imidacloprid. <i>Pest Management Science</i> , 2014, 70, 470-482.	3.4	39
16	Evaluation of neonicotinoid, organophosphate and avermectin trunk injections for the management of avocado thrips in California avocado groves. <i>Pest Management Science</i> , 2012, 68, 811-817.	3.4	38
17	Kinetics of Insensitive Acetylcholinesterases in Organophosphate-Resistant Tobacco Whitefly, <i>Bemisia tabaci</i> (Gennadius) (Homoptera: Aleyrodidae). <i>Pesticide Biochemistry and Physiology</i> , 1997, 58, 119-124.	3.6	36
18	First record of the Q biotype of the sweetpotato whitefly, <i>Bemisia tabaci</i> , in Guatemala. <i>Phytoparasitica</i> , 2009, 37, 61-64.	1.2	35

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19	Understanding the dynamics of neonicotinoid activity in the management of <i>Bemisia tabaci</i> whiteflies on poinsettias. <i>Crop Protection</i> , 2010, 29, 260-266.	2.1	34
20	Establishment of Baseline Susceptibility Data to Various Insecticides for <i>Homalodisca coagulata</i> (Homoptera: Cicadellidae) by Comparative Bioassay Techniques. <i>Journal of Economic Entomology</i> , 2006, 99, 141-154.	1.8	32
21	An Insensitive Acetylcholinesterase Confers Resistance to Methomyl in the Beet Armyworm <i>Spodoptera exigua</i> (Lepidoptera: Noctuidae). <i>Journal of Economic Entomology</i> , 2001, 94, 524-528.	1.8	29
22	Toxicity of systemic neonicotinoid insecticides to avocado thrips in nursery avocado trees. <i>Pest Management Science</i> , 2007, 63, 860-866.	3.4	29
23	Esterase variation and squash induction in B-type <i>Bemisia tabaci</i> (Homoptera: Aleyrodidae). <i>Bulletin of Entomological Research</i> , 1995, 85, 175-179.	1.0	28
24	Biochemical evidence of haplodiploidy in the whitefly <i>Bemisia tabaci</i> . <i>Biochemical Genetics</i> , 1996, 34, 93-107.	1.7	27
25	Quantification of imidacloprid toxicity to avocado thrips, <i>Scirtothrips perseae</i> Nakahara (Thysanoptera: Thripidae), using a combined bioassay and ELISA approach. <i>Pest Management Science</i> , 2005, 61, 754-758.	3.4	26
26	Seasonal timing of neonicotinoid and organophosphate trunk injections to optimize the management of avocado thrips in California avocado groves. <i>Crop Protection</i> , 2014, 57, 20-26.	2.1	26
27	Application of Competitive Enzyme-Linked Immunosorbent Assay for the Quantification of Imidacloprid Titters in Xylem Fluid Extracted from Grapevines. <i>Journal of Economic Entomology</i> , 2005, 98, 182-187.	1.8	25
28	Biochemical evidence of haplodiploidy in the whitefly <i>Bemisia tabaci</i> . <i>Biochemical Genetics</i> , 1996, 34, 93-107.	1.7	24
29	Evaluation of systemic neonicotinoid insecticides for the management of the Asian citrus psyllid <i>Diaphorina citri</i> on containerized citrus. <i>Pest Management Science</i> , 2017, 73, 506-514.	3.4	20
30	Electrophoretic Analysis of Non-B and B-Biotype <i>Bemisia tabaci</i> (Gennaduis) (Homoptera: Aleyrodidae) in Australia. <i>Australian Journal of Entomology</i> , 1997, 36, 245-250.	1.1	19
31	Managing resistance is critical to future use of pyrethroids and neonicotinoids. <i>California Agriculture</i> , 2005, 59, 11-15.	0.8	17
32	Lethal toxicity of systemic residues of imidacloprid against <i>Homalodisca vitripennis</i> (Homoptera: Cicadellidae). <i>Journal of Economic Entomology</i> , 2007, 43, 130-135.	3.0	14
33	Insecticide resistance in California populations of the glassy-winged sharpshooter <i>Homalodisca vitripennis</i> . <i>Pest Management Science</i> , 2021, 77, 2315-2323.	3.4	14
34	Application of Competitive Enzyme-Linked Immunosorbent Assay for the Quantification of Imidacloprid Titters in Xylem Fluid Extracted from Grapevines. <i>Journal of Economic Entomology</i> , 2005, 98, 182-187.	1.8	12
35	Field evaluation of systemic imidacloprid for the management of avocado thrips and avocado lace bug in California avocado groves. <i>Pest Management Science</i> , 2010, 66, 1129-1136.	3.4	11
36	Evaluation of trunk-injected emamectin benzoate as a potential management strategy for Kuroshio shot hole borer in avocado trees. <i>Crop Protection</i> , 2020, 132, 105136.	2.1	10

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37	Interactions of Light Intensity, Insecticide Concentration, and Time on the Efficacy of Systemic Insecticides in Suppressing Populations of the Sweetpotato Whitefly (Hemiptera: Aleyrodidae) and the Citrus Mealybug (Hemiptera: Pseudococcidae). <i>Journal of Economic Entomology</i> , 2012, 105, 505-517.	1.8	9
38	Improved draft reference genome for the Glassy-winged Sharpshooter (<i>Homalodisca</i>)	1.8	9
39	Evaluation of Peracid Activated Organophosphates in Studies of Insecticide Resistance Conferred by Insensitive Acetylcholinesterases. <i>Journal of Economic Entomology</i> , 2002, 95, 425-429.	1.8	7
40	Assessing the risk of containerized citrus contributing to Asian citrus psyllid (<i>Diaphorina citri</i>) spread in California: Residence times and insecticide residues at retail nursery outlets. <i>Crop Protection</i> , 2018, 109, 33-41.	2.1	5
41	Metagenome-Assembled Genomes of Bacterial Symbionts Associated with Insecticide-Resistant and -Susceptible Individuals of the Glassy-Winged Sharpshooter (<i>Homalodisca vitripennis</i>). <i>Microbiology Resource Announcements</i> , 2022, 11, .	0.6	4
42	Detection of <i>Gonatocerus ashmeadi</i> (Hymenoptera: Mymaridae) parasitism of <i>Homalodisca coagulata</i> (Homoptera: Cicadellidae) eggs by polyacrylamide gel electrophoresis of esterases. <i>Biological Control</i> , 2006, 36, 197-202.	3.0	3
43	Biochemical Monitoring of Acetylcholinesterase Sensitivity to Organophosphorus Insecticides in Glassy-Winged Sharpshooter (<i>Homalodisca coagulata</i>) Say (Homoptera: Cicadellidae) and Smoke-Tree Sharpshooter (<i>H. lacerta</i>) Fowler. <i>Journal of Economic Entomology</i> , 2003, 96, 1849-1854.	1.8	2
44	Biochemical Monitoring of Acetylcholinesterase Sensitivity to Organophosphorus Insecticides in Glassy-Winged Sharpshooter <i>Homalodisca coagulata</i> Say (Homoptera: Cicadellidae) and Smoke-Tree Sharpshooter <i>H. lacerta</i> Fowler. <i>Journal of Economic Entomology</i> , 2003, 96, 1849-1854.	1.8	2
45	Assessment of renewable compounds as biopesticides for Asian citrus psyllid, <i>Diaphorina citri</i> (Kuwayama) (Hemiptera: Psyllidae).. <i>Journal of Pest Science</i> , 2023, 96, 663-670.	3.7	1
46	Clothianidin and Imidacloprid Residues in <i>Poa annua</i> (Poales: Poaceae) and Their Effects on <i>Listronotus maculicollis</i> (Coleoptera: Curculionidae). <i>Journal of Economic Entomology</i> , 2014, 107, 2095-2102.	1.8	0
47	Rapid uptake and retention of neonicotinoids in nursery citrus trees as a safeguard against Asian citrus psyllid (<i>Diaphorina citri</i>) infestation. <i>Crop Protection</i> , 2020, 138, 105345.	2.1	0