David I Shapiro-Ilan

List of Publications by Citations

197 papers	4,533 citations	33 h-index	57 g-index
204 ext. papers	5,302 ext. citations	2.5 avg, IF	5.77 L-index

#	Paper	IF	Citations
197	Insect pathogens as biological control agents: Back to the future. *Journal of Invertebrate Pathology*, **2015**, 132, 1-41	2.6	680
196	Application technology and environmental considerations for use of entomopathogenic nematodes in biological control. *Biological Control*, **2006**, 38, 124-133	3.8	200
195	Microbial control of insect pests in temperate orchard systems: potential for incorporation into IPM. *Annual Review of Entomology*, **2008**, 53, 121-44	21.8	153
194	Effects of combining an entomopathogenic fungi or bacterium with entomopathogenic nematodes on mortality of Curculio caryae (Coleoptera: Curculionidae). *Biological Control*, **2004**, 30, 119-126	3.8	82
193	Natural product diversity associated with the nematode symbionts Photorhabdus and Xenorhabdus. *Nature Microbiology*, **2017**, 2, 1676-1685	26.6	78
192	Superior efficacy observed in entomopathogenic nematodes applied in infected-host cadavers compared with application in aqueous suspension. *Journal of Invertebrate Pathology*, **2003**, 83, 270-2	2.6	78
191	Comparison of Entomopathogenic Nematode Infectivity from Infected Hosts Versus Aqueous Suspension. *Environmental Entomology*, **1999**, 28, 907-911	2.1	74
190	Survey of Entomopathogenic Nematodes and Fungi Endemic to Pecan Orchards of the Southeastern United States and Their Virulence to the Pecan Weevil (Coleoptera: Curculionidae). *Environmental Entomology*, **2003**, 32, 187-195	2.1	69
189	Entomopathogenic nematode production and application technology. *Journal of Nematology*, **2012**, 44, 206-17	1.1	69
188	Comparison of Entomopathogenic Nematode Dispersal from Infected Hosts Versus Aqueous Suspension. *Environmental Entomology*, **1996**, 25, 1455-1461	2.1	64
187	Formulation of entomopathogenic nematode-infected cadavers. *Journal of Invertebrate Pathology*, **2001**, 78, 17-23	2.6	64
186	Definitions of pathogenicity and virulence in invertebrate pathology. *Journal of Invertebrate Pathology*, **2005**, 88, 1-7	2.6	62
185	Susceptibility of a native and an exotic lady beetle (Coleoptera: Coccinellidae) to Beauveria bassiana. *Journal of Invertebrate Pathology*, **2003**, 84, 137-44	2.6	62
184	Effects of Temperature and Host Age on Suppression of Diaprepes abbreviatus (Coleoptera: Curculionidae) by Entomopathogenic Nematodes. *Journal of Economic Entomology*, **1999**, 92, 1086-1092	2.2	62
183	Trait Stability and Fitness of the Heat Tolerant Entomopathogenic NematodeHeterorhabditis bacteriophoraIS5 Strain. *Biological Control*, **1996**, 6, 238-244	3.8	60
182	Impact of the host cadaver on survival and infectivity of entomopathogenic nematodes (Rhabditida: Steinernematidae and Heterorhabditidae) under desiccating conditions. *Journal of Invertebrate Pathology*, **2003**, 82, 111-8	2.6	55
181	Entomopathogenic Nematodes and Other Natural Enemies as Mortality Factors for Larvae of Diaprepes abbreviatus (Coleoptera: Curculionidae). *Biological Control*, **2000**, 19, 182-190	3.8	52

180	DNA restriction polymorphism in wild isolates of Spodoptera frugiperda nuclear polyhedrosis virus. *Journal of Invertebrate Pathology*, **1991**, 58, 96-105	2.6	52
179	Developmental Plasticity in Tenebrio molitor (Coleoptera: Tenebrionidae): Analysis of Instar Variation in Number and Development Time under Different Diets. *Journal of Entomological Science* , **2010**, 45, 75-90	0.4	51
178	Efficacy of Steinernema carpocapsae for control of the lesser peachtree borer, Synanthedon pictipes: Improved aboveground suppression with a novel gel application. *Biological Control*, **2010**, 54, 23-28	3.8	48
177	Susceptibility of lady beetles (Coleoptera: Coccinellidae) to entomopathogenic nematodes. *Journal of Invertebrate Pathology*, **2005**, 89, 150-6	2.6	44
176	Self-selection of two diet components by Tenebrio molitor (Coleoptera: Tenebrionidae) larvae and its impact on fitness. *Environmental Entomology*, **2011**, 40, 1285-94	2.1	43
175	Effects of a novel entomopathogenic nematode-infected host formulation on cadaver integrity, nematode yield, and suppression of Diaprepes abbreviatus and Aethina tumida. *Journal of Invertebrate Pathology*, **2010**, 103, 103-8	2.6	43
174	Stabilization of beneficial traits in Heterorhabditis bacteriophora through creation of inbred lines. *Biological Control*, **2005**, 32, 220-227	3.8	41
173	Principles of Epizootiology and Microbial Control **2012**, 29-72		40
172	Effects of Soil Type on Virulence and Persistence of Entomopathogenic Nematodes in Relation to Control ofDiaprepes abbreviatus(Coleoptera: Curculionidae). *Environmental Entomology*, **2000**, 29, 1083-1087	2.1	40
171	Production of Entomopathogenic Nematodes **2014**, 321-355		39
170	Aggregative group behavior in insect parasitic nematode dispersal. *International Journal for Parasitology*, **2014**, 44, 49-54	4.3	39
169	Compatibility of Heterorhabditis indica (Rhabditida: Heterorhabditidae) and Habrobracon hebetor (Hymenoptera: Braconidae) for biological control of Plodia interpunctella (Lepidoptera: Pyralidae). *Biological Control*, **2010**, 54, 75-82	3.8	39
168	Source of trait deterioration in entomopathogenic nematodes Heterorhabditis bacteriophora and Steinernema carpocapsae during in vivo culture. *Nematology*, **2006**, 8, 397-409	0.9	39
167	Nitrogen partitioning in Heterorhabditis bacteriophora-infected hosts and the effects of nitrogen on attraction/repulsion. *Journal of Invertebrate Pathology*, **2000**, 76, 43-8	2.6	39
166	Genetic Improvement of Heat Tolerance inHeterorhabditis bacteriophorathrough Hybridization. *Biological Control*, **1997**, 8, 153-159	3.8	38
165	Virulence of entomopathogenic nematodes to pecan weevil larvae, Curculio caryae (Coleoptera: Curculionidae), in the laboratory. *Journal of Economic Entomology*, **2001**, 94, 7-13	2.2	37
164	Parasites of Harmonia axyridis: current research and perspectives. *BioControl*, **2017**, 62, 355-371	2.3	33
163	Directional movement of entomopathogenic nematodes in response to electrical field: effects of species, magnitude of voltage, and infective juvenile age. *Journal of Invertebrate Pathology*, **2012**, 109, 34-40	2.6	33

162	Earthworms as phoretic hosts for Steinernema carpocapsae and Beauveria bassiana: Implications for enhanced biological control. *Biological Control*, **2013**, 66, 41-48	3.8	33
161	Measuring field efficacy of Steinernema feltiae and Steinernema riobrave for suppression of plum curculio, Conotrachelus nenuphar, larvae. *Biological Control*, **2004**, 30, 496-503	3.8	33
160	Host cadavers protect entomopathogenic nematodes during freezing. *Journal of Invertebrate Pathology*, **2002**, 81, 25-32	2.6	32
159	Identification of the antifungal compound, trans-cinnamic acid, produced by Photorhabdus luminescens, a potential biopesticide against pecan scab. *Journal of Pest Science*, **2014**, 87, 155-162	5.5	31
158	Impact of Adult Weight, Density, and Age on Reproduction of Tenebrio molitor (Coleoptera: Tenebrionidae). *Journal of Entomological Science*, **2012**, 47, 208-220	0.4	31
157	Use of Nutrient Self-Selection as a Diet Refining Tool in Tenebrio molitor (Coleoptera: Tenebrionidae). *Journal of Entomological Science*, **2013**, 48, 206-221	0.4	30
156	Application and evaluation of entomopathogens for citrus pest control **2007**, 567-581		29
155	Laboratory Evaluation of Virulence of Heterorhabditid Nematodes toPlodia interpunctellaHÜbner (Lepidoptera: Pyralidae). *Environmental Entomology*, **2005**, 34, 676-682	2.1	27
154	Heterorhabditis mexicana n. sp. (Rhabditida: Heterorhabditidae) from Tamaulipas, Mexico, and morphological studies of the bursa of Heterorhabditis spp.. *Nematology*, **2004**, 6, 231-244	0.9	27
153	Comparison of beneficial traits among strains of the entomopathogenic nematode, Steinernema carpocapsae, for control of Curculio caryae (Coleoptera: Curculionidae). *Biological Control*, **2003**, 28, 129-136	3.8	27
152	Relative potency of culture supernatants of Xenorhabdus and Photorhabdus spp. on growth of some fungal phytopathogens. *European Journal of Plant Pathology*, **2016**, 146, 369-381	2.1	27
151	Field suppression of the peachtree borer, Synanthedon exitiosa, using Steinernema carpocapsae: Effects of irrigation, a sprayable gel and application method. *Biological Control*, **2015**, 82, 7-12	3.8	26
150	Effects of single and combined applications of entomopathogenic fungi and nematodes against Rhynchophorus ferrugineus (Olivier). *Scientific Reports*, **2017**, 7, 5971	4.9	26
149	Characterization of biocontrol traits in the entomopathogenic nematode Heterorhabditis georgiana (Kesha strain), and phylogenetic analysis of the nematode symbiotic bacteria. *Biological Control*, **2009**, 51, 377-387	3.8	26
148	Virulence of Hypocreales fungi to pecan aphids (Hemiptera: Aphididae) in the laboratory. *Journal of Invertebrate Pathology*, **2008**, 99, 312-7	2.6	25
147	STATE-SPACE BASED MASS EVENT-HISTORY MODEL I: MANY DECISION-MAKING AGENTS WITH ONE TARGET. *Annals of Applied Statistics*, **2008**, 2, 1503-1522	2.1	25
146	Evaluation of Application Technologies of Entomopathogenic Nematodes for Control of the Black Vine Weevil. *Journal of Economic Entomology*, **2005**, 98, 1884-1889	2.2	25
145	Virulence of new and mixed strains of the entomopathogenic nematode Steinernema riobrave to larvae of the citrus root weevil Diaprepes abbreviatus. *Biological Control*, **2004**, 30, 439-445	3.8	25

144	Pheromone extracts act as boosters for entomopathogenic nematodes efficacy. *Journal of Invertebrate Pathology*, **2019**, 164, 38-42	2.6	24
143	Magnetic and electric fields induce directional responses in Steinernema carpocapsae. *International Journal for Parasitology*, **2013**, 43, 781-4	4.3	24
142	Suppressive effects of metabolites from Photorhabdus and Xenorhabdus spp. on phytopathogens of peach and pecan. *Archives of Phytopathology and Plant Protection*, **2009**, 42, 715-728	1	24
141	The potential for enhanced fungicide resistance in Beauveria bassiana through strain discovery and artificial selection. *Journal of Invertebrate Pathology*, **2002**, 81, 86-93	2.6	24
140	Automated technology for in vivo mass production of entomopathogenic nematodes. *Biological Control*, **2002**, 24, 199-206	3.8	24
139	Effects of fertilizers on virulence of Steinernema carpocapsae. *Applied Soil Ecology*, **1996**, 3, 27-34	5	24
138	A novel approach to biological control with entomopathogenic nematodes: Prophylactic control of the peachtree borer, Synanthedon exitiosa. *Biological Control*, **2009**, 48, 259-263	3.8	23
137	Directional movement of steinernematid nematodes in response to electrical current. *Journal of Invertebrate Pathology*, **2009**, 100, 134-7	2.6	22
136	Post-application of anti-desiccant agents improves efficacy of entomopathogenic nematodes in formulated host cadavers or aqueous suspension against diapausing codling moth larvae (Lepidoptera: Tortricidae). *Biocontrol Science and Technology*, **2010**, 20, 909-921	1.7	21
135	Evaluation of soyscreen in an oil-based formulation for UV protection of Beauveria bassiana conidia. *Journal of Economic Entomology*, **2009**, 102, 1759-66	2.2	21
134	Susceptibility of endemic and exotic North American ladybirds (Coleoptera: Coccinellidae) to endemic fungal entomopathogens. *European Journal of Entomology*, **2008**, 105, 455-460		21
133	Transcriptional profiling of trait deterioration in the insect pathogenic nematode Heterorhabditis bacteriophora. *BMC Genomics*, **2009**, 10, 609	4.5	20
132	Targeted improvement of Steinernema carpocapsae for control of the pecan weevil, Curculio caryae (Horn) (Coleoptera: Curculionidae) through hybridization and bacterial transfer. *Biological Control*, **2005**, 34, 215-221	3.8	20
131	Efficacy of Steinernema carpocapsae plus fire gel applied as a single spray for control of the lesser peachtree borer, Synanthedon pictipes. *Biological Control*, **2016**, 94, 33-36	3.8	19
130	Optimization of inoculation for in vivo production of entomopathogenic nematodes. *Journal of Nematology*, **2002**, 34, 343-50	1.1	19
129	Morphometric Analysis of Instar Variation in Tenebrio molitor (Coleoptera: Tenebrionidae). *Annals of the Entomological Society of America*, **2015**, 108, 146-159	2	18
128	Suppression of pecan and peach pathogens on different substrates using Xenorhabdus bovienii and Photorhabdus luminescens. *Biological Control*, **2014**, 77, 1-6	3.8	18
127	Outcrossing and crossbreeding recovers deteriorated traits in laboratory cultured Steinernema carpocapsae nematodes. *International Journal for Parasitology*, **2011**, 41, 801-9	4.3	18

126	Responses of the entomopathogenic nematode, Steinernema riobrave to its insect hosts, Galleria mellonella and Tenebrio molitor. *Parasitology*, **2007**, 134, 889-98	2.7	18
125	Stability of entomopathogenic bacteria, Xenorhabdus nematophila and Photorhabdus luminescens, during in vitro culture. *Journal of Industrial Microbiology and Biotechnology*, **2007**, 34, 73-81	4.2	18
124	Establishment of Beauveria bassiana as a fungal endophyte in pecan (Carya illinoinensis) seedlings and its virulence against pecan insect pests. *Biological Control*, **2020**, 140, 104102	3.8	18
123	A novel approach to biocontrol: Release of live insect hosts pre-infected with entomopathogenic nematodes. *Journal of Invertebrate Pathology*, **2015**, 130, 56-60	2.6	17
122	Heterorhabditis georgiana n. sp. (Rhabditida: Heterorhabditidae) from Georgia, USA. *Nematology*, **2008**, 10, 433-448	0.9	17
121	Freezing and desiccation tolerance in entomopathogenic nematodes: diversity and correlation of traits. *Journal of Nematology*, **2014**, 46, 27-34	1.1	17
120	In Vivo Production of Entomopathogenic Nematodes. *Methods in Molecular Biology*, **2016**, 1477, 137-58	1.4	16
119	Using entomopathogenic nematodes for biological control of plum curculio, Conotrachelus nenuphar: Effects of irrigation and species in apple orchards. *Biological Control*, **2013**, 67, 123-129	3.8	16
118	Susceptibility of the peachtree borer, Synanthedon exitiosa, to Steinernema carpocapsae and Steinernema riobrave in laboratory and field trials. *Journal of Invertebrate Pathology*, **2006**, 92, 85-8	2.6	16
117	The Effects of Nutrient Concentration, Addition of Thickeners, and Agitation Speed on Liquid Fermentation of Steinernema feltiae. *Journal of Nematology*, **2016**, 48, 126-33	1.1	16
116	Virulence of Entomopathogenic Fungi to Rhagoletis pomonella (Diptera: Tephritidae) and Interactions With Entomopathogenic Nematodes. *Journal of Economic Entomology*, **2020**, 113, 2627-2633	2.2	16
115	Multifaceted effects of host plants on entomopathogenic nematodes. *Journal of Invertebrate Pathology*, **2016**, 135, 53-9	2.6	15
114	Control of key pecan insect pests using biorational pesticides. *Journal of Economic Entomology*, **2013**, 106, 257-66	2.2	15
113	Susceptibility of the Lesser Peachtree Borer (Lepidoptera: Sesiidae) to Entomopathogenic Nematodes Under Laboratory Conditions. *Environmental Entomology*, **2006**, 35, 358-365	2.1	15
112	Characterization of biological control traits in the entomopathogenic nematode Heterorhabditis mexicana (MX4 strain). *Biological Control*, **2005**, 32, 97-103	3.8	15
111	Cumulative impact of a clover cover crop on the persistence and efficacy of Beauveria bassiana in suppressing the pecan weevil (Coleoptera: Curculionidae). *Environmental Entomology*, **2012**, 41, 298-307	2.1	14
110	Susceptibility of the Plum Curculio, Conotrachelus nenuphar, to Entomopathogenic Nematodes. *Journal of Nematology*, **2002**, 34, 246-9	1.1	14
109	Entomopathogenic Nematode Application Technology **2015**, 231-254		13

108	Comparative impact of artificial selection for fungicide resistance on Beauveria bassiana and Metarhizium brunneum. *Environmental Entomology*, **2011**, 40, 59-65	2.1	13
107	Effect of Steinernema glaseri-infected host exudates on movement of conspecific infective juveniles. *Journal of Invertebrate Pathology*, **2006**, 93, 42-9	2.6	13
106	Effects of Fertilizers on the Survival ofBeauveria bassiana. *Journal of Invertebrate Pathology*, **1996**, 68, 194-195	2.6	13
105	A Comparison of Entomopathogenic Nematode Longevity in Soil under Laboratory Conditions. *Journal of Nematology*, **2006**, 38, 119-29	1.1	13
104	Viability and Virulence of Entomopathogenic Nematodes Exposed to Ultraviolet Radiation. *Journal of Nematology*, **2015**, 47, 184-9	1.1	13
103	Biological control and nutrition: Food for thought. *Biological Control*, **2016**, 97, 131-138	3.8	13
102	Movement patterns in Entomopathogenic nematodes: Continuous vs. temporal. *Journal of Invertebrate Pathology*, **2018**, 151, 137-143	2.6	13
101	Infected host macerate enhances entomopathogenic nematode movement towards hosts and infectivity in a soil profile. *Journal of Invertebrate Pathology*, **2018**, 159, 141-144	2.6	13
100	Enhanced biological control potential of the entomopathogenic nematode, Steinernema carpocapsae, applied with a protective gel formulation. *Biocontrol Science and Technology*, **2016**, 26, 835-848	1.7	12
99	Nematodes **2017**, 415-440		12
98	Dynamics of carbon dioxide release from insects infected with entomopathogenic nematodes. *Journal of Invertebrate Pathology*, **2007**, 94, 64-9	2.6	12
97	Effect of inoculum age and physical parameters on in vitro culture of the entomopathogenic nematode Steinernema feltiae. *Journal of Helminthology*, **2017**, 91, 686-695	1.6	11
96	Effects of combining microbial and chemical insecticides on mortality of the Pecan Weevil (Coleoptera: Curculionidae). *Journal of Economic Entomology*, **2011**, 104, 14-20	2.2	11
95	INVERTEBRATE PREDATORS AND PARASITOIDS OF PLUM CURCULIO, CONOTRACHELUS NENUPHAR (COLEOPTERA: CURCULIONIDAE) IN GEORGIA AND FLORIDA. *Florida Entomologist*, **2006**, 89, 435-440	1	11
94	Entomopathogenic nematode infectivity enhancement using physical and chemical stressors. *Biological Control*, **2006**, 39, 147-153	3.8	11
93	A novel strain of Steinernema riobrave (Rhabditida: Steinernematidae) possesses superior virulence to subterranean termites (Isoptera: Rhinotermitidae). *Journal of Nematology*, **2010**, 42, 91-5	1.1	11
92	Curative Control of the Peachtree Borer Using Entomopathogenic Nematodes. *Journal of Nematology*, **2016**, 48, 170-176	1.1	11
91	Conspecific pheromone extracts enhance entomopathogenic infectivity. *Journal of Nematology*,51, 1-5	1.1	11

90	Entomopathogenic Nematodes in Sustainable Food Production. *Frontiers in Sustainable Food Systems*, **2020**, 4,	4.8	11
89	Combined Effect of Entomopathogens against Lindeman (Thysanoptera: Thripidae): Laboratory, Greenhouse and Field Trials. *Insects*, **2021**, 12,	2.8	11
88	Trans-cinnamic acid and Xenorhabdus szentirmaii metabolites synergize the potency of some commercial fungicides. *Journal of Invertebrate Pathology*, **2017**, 145, 1-8	2.6	10
87	Efficacy of entomopathogenic nematodes against the sugarbeet wireworm, Limonius californicus (Mannerheim) (Coleoptera: Elateridae). *Biological Control*, **2020**, 143, 104190	3.8	10
86	Efficacy Evaluation of Six Entomopathogenic Nematode Speciesagainst Engorged Females of Southern Cattle Fever Tick,Rhipicephalus(=Boophilus)microplus. *Southwestern Entomologist*, **2018**, 43, 1-17	0.3	10
85	The potential for controlling Pangaeus bilineatus (Heteroptera: Cydnidae) using a combination of entomopathogens and an insecticide. *Journal of Economic Entomology*, **2013**, 106, 2072-6	2.2	10
84	Control of plum curculio, Conotrachelus nenuphar, with entomopathogenic nematodes: Effects of application timing, alternate host plant, and nematode strain. *Biological Control*, **2008**, 44, 207-215	3.8	10
83	Comparison of application methods for suppressing the pecan weevil (Coleoptera: Curculionidae) with Beauveria bassiana under field conditions. *Environmental Entomology*, **2008**, 37, 162-71	2.1	10
82	Entomopathogenic Nematodes and Bacteria Applications for Control of the Pecan Root-Knot Nematode, Meloidogyne partityla, in the Greenhouse. *Journal of Nematology*, **2006**, 38, 449-54	1.1	10
81	Biocontrol Potential of Steinernema thermophilum and Its Symbiont Xenorhabdus indica Against Lepidopteran Pests: Virulence to Egg and Larval Stages. *Journal of Nematology*, **2014**, 46, 18-26	1.1	10
80	Evaluation of application technologies of entomopathogenic nematodes for control of the black vine weevil. *Journal of Economic Entomology*, **2005**, 98, 1884-9	2.2	9
79	Effects of host nutrition on virulence and fitness of entomopathogenic nematodes: Lipid- and protein-based supplements in Tenebrio molitor diets. *Journal of Nematology*, **2008**, 40, 13-9	1.1	9
78	Environmental tolerance of entomopathogenic nematodes differs among nematodes arising from host cadavers versus aqueous suspension. *Journal of Invertebrate Pathology*, **2020**, 175, 107452	2.6	9
77	The potential for using entomopathogenic nematodes and fungi in the management of the maize weevil, Sitophilus zeamais (Motschulsky) (Coleoptera: Curculionidae). *Biological Control*, **2018**, 125, 39-43	3.8	9
76	Conspecific and heterospecific pheromones stimulate dispersal of entomopathogenic nematodes during quiescence. *Scientific Reports*, **2020**, 10, 5738	4.9	8
75	Laboratory virulence and orchard efficacy of entomopathogenic nematodes against the lesser peachtree borer (Lepidoptera: Sesiidae). *Journal of Economic Entomology*, **2011**, 104, 47-53	2.2	8
74	Virulence of Entomopathogenic Nematodes to Plum Curculio, Conotrachelus nenuphar: Effects of Strain, Temperature, and Soil Type. *Journal of Nematology*, **2011**, 43, 187-95	1.1	8
73	Risk taking of educated nematodes. *PLoS ONE*, **2018**, 13, e0205804	3.7	8

72	Effect of Immersion Time on Efficacy of Entomopathogenic Nematodes against Engorged Females of Cattle Fever Tick,Rhipicephalus(=Boophilus)microplus. *Southwestern Entomologist*, **2018**, 43, 19-28	0.3	7
71	The impact of Cu, Zn and Cr salts on the relationship between insect and plant parasitic nematodes: A reduction in biocontrol efficacy. *Applied Soil Ecology*, **2016**, 107, 108-115	5	7
70	Treatment of Cattle with Steinernema riobrave and Heterorhabditis floridensis for Control of the Southern Cattle Fever Tick, Rhipicephalus (=Boophilus) microplus. *Southwestern Entomologist*, **2018** , 43, 295-301	0.3	7
69	An insect pupal cell with antimicrobial properties that suppress an entomopathogenic fungus. *Journal of Invertebrate Pathology*, **2015**, 124, 114-6	2.6	7
68	VIRULENCE OF ENTOMOPATHOGENIC NEMATODES AGAINST DIAPREPES ABBREVIATUS IN AN OXISOL. *Florida Entomologist*, **2007**, 90, 401-403	1	7
67	Laboratory Mortality and Mycosis of Adult Curculio caryae (Coleoptera: Curculionidae) Following Application of Metarhizium anisopliae in the Laboratory or Field. *Journal of Entomological Science*, **2009**, 44, 24-36	0.4	7
66	Potential of entomopathogenic nematodes against the pupal stage of the apple maggot (Walsh) (Diptera: Tephritidae). *Journal of Nematology*, **2020**, 52, 1-9	1.1	7
65	Limiting opportunities for cheating stabilizes virulence in insect parasitic nematodes. *Evolutionary Applications*, **2016**, 9, 462-70	4.8	7
64	Survival of Steinernema feltiae in different formulation substrates: Improved longevity in a mixture of gel and vermiculite. *Biological Control*, **2018**, 126, 192-197	3.8	7
63	Insect Cadaver Applications: Pros and Cons **2015**, 207-229		6
62	Antifungal activity of Xenorhabdus spp. and Photorhabdus spp. against the soybean pathogenic Sclerotinia sclerotiorum. *Scientific Reports*, **2020**, 10, 20649	4.9	6
61	Control of Pecan Weevil With Microbial Biopesticides. *Environmental Entomology*, **2017**, 46, 1299-1304	2.1	6
60	Effect of Entomopathogenic Nematode Concentration on Survival during Cryopreservation in Liquid Nitrogen. *Journal of Nematology*, **2004**, 36, 281-4	1.1	6
59	Recycling Potential and Fitness of Steinernematid Nematodes Cultured in Curculio caryae and Galleria mellonella. *Journal of Nematology*, **2005**, 37, 12-7	1.1	6
58	Characterization of Biocontrol Traits in Heterorhabditis floridensis: A Species with Broad Temperature Tolerance. *Journal of Nematology*, **2014**, 46, 336-45	1.1	6
57	Mortality of native and invasive ladybirds co-infected by ectoparasitic and entomopathogenic fungi. *PeerJ*, **2020**, 8, e10110	3.1	6
56	Potential use of entomopathogenic nematodes against the soil dwelling stages of onion thrips, Thrips tabaci Lindeman: Laboratory, greenhouse and field trials. *Biological Control*, **2021**, 161, 104677	3.8	6
55	Entomopathogenic nematodes as biological control agent against Bactrocera zonata and Bactrocera dorsalis (Diptera: Tephritidae). *Biological Control*, **2021**, 163, 104706	3.8	6

54	Interactions Between Two Invertebrate Pathogens: An Endophytic Fungus and an Externally Applied Bacterium. *Frontiers in Microbiology*, **2020**, 11, 522368	5.7	5
53	Comparative Assessment of Four Steinernematidae and Three Heterorhabditidae Species for Infectivity of Larval Diabrotica Virgifera Virgifera. *Journal of Economic Entomology*, **2018**, 111, 542-548	2.2	5
52	Laboratory Virulence of Entomopathogenic Nematodes to Two Ornamental Plant Pests,Corythucha ciliata(Hemiptera: Tingidae) andStethobaris nemesis(Coleoptera: Curculionidae). *Florida Entomologist*, **2012**, 95, 922-927	1	5
51	Effects of entomopathogenic fungus species, and impact of fertilizers, on biological control of pecan weevil (Coleoptera: Curculionidae). *Environmental Entomology*, **2013**, 42, 253-61	2.1	5
50	Improved Control of Curculio caryae (Coleoptera: Curculionidae) through Multi-Stage Pre-Emergence Applications of Steinernema carpocapsae. *Journal of Entomological Science*, **2012**, 47, 27-34	0.4	5
49	Infectivity of Steinernema carpocapsae and S. feltiae to Larvae and Adults of the Hazelnut Weevil, Curculio nucum: Differential Virulence and Entry Routes. *Journal of Nematology*, **2014**, 46, 281-6	1.1	5
48	Comparative Efficacy of Entomopathogenic Nematodes Against a Multi-Acaricide Resistant Strain of Southern Cattle Fever Tick, Rhipicephalus microplus1. *Southwestern Entomologist*, **2019**, 44, 143	0.3	5
47	on Vegetables in the Southern United States: Incidence, Impact, and Management. *Insects*, **2021**, 12,	2.8	5
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