

Robert L Meagher Jr

List of Publications by Year in descending order

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95
papers

3,524
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101543

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#	ARTICLE	IF	CITATIONS
1	Areawide management of fall armyworm, <i>Spodoptera frugiperda</i> (Lepidoptera: Noctuidae), using selected cover crop plants. <i>CABI Agriculture and Bioscience</i> , 2022, 3, .	2.4	5
2	Choice behavior of the generalist pentatomid predator <i>Podisus maculiventris</i> when offered lepidopteran larvae infected with an entomopathogenic fungus. <i>BioControl</i> , 2022, 67, 201-211.	2.0	2
3	Genetic studies of fall armyworm indicate a new introduction into Africa and identify limits to its migratory behavior. <i>Scientific Reports</i> , 2022, 12, 1941.	3.3	23
4	Diversity, composition, and freedom to choose drive the effects of St. Augustinegrass cultivar blends on an herbivorous insect. <i>Itsrsj</i> , 2022, 14, 989-993.	0.3	0
5	Monitoring <i>Spodoptera frugiperda</i> in Benin: assessing the influence of trap type, pheromone blends, and habitat on pheromone trapping. <i>Florida Entomologist</i> , 2022, 105, .	0.5	7
6	Comparison of Bee Composition in Sunn Hemp and Other Cover Crops. <i>Florida Entomologist</i> , 2021, 103, .	0.5	0
7	Occurrence of arthropod pests associated with <i>Brassica carinata</i> and impact of defoliation on yield. <i>GCB Bioenergy</i> , 2021, 13, 570-581.	5.6	10
8	Whole genome comparisons reveal panmixia among fall armyworm (<i>Spodoptera frugiperda</i>) from diverse locations. <i>BMC Genomics</i> , 2021, 22, 179.	2.8	37
9	Trapping <i>Spodoptera frugiperda</i> (Lepidoptera: Noctuidae) Moths in Different Crop Habitats in Togo and Ghana. <i>Journal of Economic Entomology</i> , 2021, 114, 1138-1144.	1.8	11
10	The fall armyworm strain associated with most rice, millet, and pasture infestations in the Western Hemisphere is rare or absent in Ghana and Togo. <i>PLoS ONE</i> , 2021, 16, e0253528.	2.5	16
11	Global crop impacts, yield losses and action thresholds for fall armyworm (<i>Spodoptera frugiperda</i>): A review. <i>Crop Protection</i> , 2021, 145, 105641.	2.1	99
12	A novel reference dated phylogeny for the genus <i>Spodoptera</i> (Lepidoptera: Noctuidae). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Evolution</i> , 2021, 161, 107161.	2.7	30
13	Approaches for Assessing the Impact of <i>Zea mays</i> (Poaceae) on the Behavior of <i>Spodoptera frugiperda</i> (Lepidoptera: Noctuidae) and Its Parasitoid <i>Cotesia marginiventris</i> (Hymenoptera: Braconidae). <i>Florida Entomologist</i> , 2021, 103, .	0.5	2
14	Assessing the Use of Wing Morphometrics to Identify Fall Armyworm (Lepidoptera: Noctuidae) Host Strains in Field Collections. <i>Journal of Economic Entomology</i> , 2020, 113, 800-807.	1.8	8
15	Assessment of impacts of fall armyworm, <i>Spodoptera frugiperda</i> (Lepidoptera: Noctuidae) on maize production in Ghana. <i>Journal of Integrated Pest Management</i> , 2020, 11, .	2.0	21
16	Maize Infestation of Fall Armyworm (Lepidoptera: Noctuidae) Within Agro-Ecological Zones of Togo and Ghana in West Africa 3 Yr After Its Invasion. <i>Environmental Entomology</i> , 2020, 49, 645-650.	1.4	34
17	Critical PO_2 as a diagnostic biomarker for the effects of low oxygen modified and controlled atmospheres on phytosanitary irradiation treatments in the cabbage looper <i>Trichoplusia ni</i> (<i>Hübner</i>). <i>Pest Management Science</i> , 2020, 76, 2333-2341.	3.4	6
18	Natural Enemies of the Fall Armyworm, <i>Spodoptera frugiperda</i> (J.E. Smith) (Lepidoptera: Noctuidae) in Ghana. <i>Florida Entomologist</i> , 2020, 103, 85.	0.5	52

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19	Comparison of pheromone trap design and lures for <i>Spodoptera frugiperda</i> in Togo and genetic characterization of moths caught. <i>Entomologia Experimentalis Et Applicata</i> , 2019, 167, 507-516.	1.4	29
20	Genetic comparisons of fall armyworm populations from 11 countries spanning sub-Saharan Africa provide insights into strain composition and migratory behaviors. <i>Scientific Reports</i> , 2019, 9, 8311.	3.3	73
21	Genetic characterization of fall armyworm infesting South Africa and India indicate recent introduction from a common source population. <i>PLoS ONE</i> , 2019, 14, e0217755.	2.5	56
22	Turfgrass Cultivar Diversity Provides Associational Resistance in the Absence of Pest Resistant Cultivars. <i>Environmental Entomology</i> , 2019, 48, 623-632.	1.4	7
23	<i>Brassica nigra</i> and <i>Curcuma longa</i> Compounds Affecting Interactions Between <i>Spodoptera exigua</i> and Its Natural Enemies <i>Cotesia flavipes</i> and <i>Podisus maculiventris</i> . <i>Dose-Response</i> , 2019, 17, 155932581982745.	1.6	5
24	Documenting Potential Sunn Hemp (<i>Crotalaria juncea</i> L.) (Fabaceae) Pollinators in Florida. <i>Environmental Entomology</i> , 2019, 48, 343-350.	1.4	12
25	A computational model to predict the population dynamics of <i>Spodoptera frugiperda</i> . <i>Journal of Pest Science</i> , 2019, 92, 429-441.	3.7	32
26	Contrasting insect attraction and herbivore-induced plant volatile production in maize. <i>Planta</i> , 2018, 248, 105-116.	3.2	21
27	Intraspecific differences in plant defense induction by fall armyworm strains. <i>New Phytologist</i> , 2018, 218, 310-321.	7.3	42
28	Lethal and behavioral effects of synthetic and organic insecticides on <i>Spodoptera exigua</i> and its predator <i>Podisus maculiventris</i> . <i>PLoS ONE</i> , 2018, 13, e0206789.	2.5	16
29	Analysis of strain distribution, migratory potential, and invasion history of fall armyworm populations in northern Sub-Saharan Africa. <i>Scientific Reports</i> , 2018, 8, 3710.	3.3	130
30	Mechanism and DNA-based detection of field-evolved resistance to transgenic Bt corn in fall armyworm (<i>Spodoptera frugiperda</i>). <i>Scientific Reports</i> , 2017, 7, 10877.	3.3	110
31	Flowering of the Cover Crop Sunn Hemp, <i>Crotalaria juncea</i> L.. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2017, 52, 986-990.	1.0	7
32	Demonstration and Quantification of Restricted Mating Between Fall Armyworm Host Strains in Field Collections by SNP Comparisons. <i>Journal of Economic Entomology</i> , 2017, 110, 2568-2575.	1.8	21
33	Fall armyworm migration across the Lesser Antilles and the potential for genetic exchanges between North and South American populations. <i>PLoS ONE</i> , 2017, 12, e0171743.	2.5	74
34	Microsatellite Markers Reveal a Predominant Sugarcane Aphid (Homoptera: Aphididae) Clone is Found on Sorghum in Seven States and One Territory of the USA. <i>Crop Science</i> , 2017, 57, 2064-2072.	1.8	41
35	Comparative molecular analyses of invasive fall armyworm in Togo reveal strong similarities to populations from the eastern United States and the Greater Antilles. <i>PLoS ONE</i> , 2017, 12, e0181982.	2.5	105
36	Effects of Low-Oxygen Environments on the Radiation Tolerance of the Cabbage Looper Moth (Lepidoptera: Noctuidae). <i>Journal of Economic Entomology</i> , 2016, 110, tow273.	1.8	14

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37	F2 screen for resistance to <i>Bacillus thuringiensis</i> Cry2Ab2-maize in field populations of <i>Spodoptera frugiperda</i> (Lepidoptera: Noctuidae) from the southern United States. <i>Journal of Invertebrate Pathology</i> , 2016, 138, 66-72.	3.2	25
38	Distributional patterns of fall armyworm parasitoids in a corn field and a pasture field in Florida. <i>Biological Control</i> , 2016, 96, 48-56.	3.0	30
39	Parasitoids attacking fall armyworm (Lepidoptera: Noctuidae) in sweet corn habitats. <i>Biological Control</i> , 2016, 95, 66-72.	3.0	53
40	Haplotype Profile Comparisons Between <i>Spodoptera frugiperda</i> (Lepidoptera: Noctuidae) Populations From Mexico With Those From Puerto Rico, South America, and the United States and Their Implications to Migratory Behavior. <i>Journal of Economic Entomology</i> , 2015, 108, 135-144.	1.8	66
41	Demonstration Using Field Collections that Argentina Fall Armyworm Populations Exhibit Strain-specific Host Plant Preferences. <i>Journal of Economic Entomology</i> , 2015, 108, 2305-2315.	1.8	55
42	Isolation and DNA Barcode Characterization of a Permanent <i>Telenomus</i> (Hymenoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 the Entomological Society of America, 2015, 108, 729-735.	2.5	5
43	Geographic Variation in Sexual Attraction of <i>Spodoptera frugiperda</i> Corn- and Rice-Strain Males to Pheromone Lures. <i>PLoS ONE</i> , 2014, 9, e89255.	2.5	79
44	Efficacies of Four Pheromone-Baited Traps in Capturing Male <i>Helicoverpa</i> (Lepidoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	0.5	21
45	Assessing the Resolution of Haplotype Distributions to Delineate Fall Armyworm (Lepidoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.8	16
46	Tropical Sod Webworm (Lepidoptera: Crambidae): a Pest of Warm Season Turfgrasses. <i>Journal of Integrated Pest Management</i> , 2014, 5, 1-8.	2.0	1
47	Cry1F Resistance in Fall Armyworm <i>Spodoptera frugiperda</i> : Single Gene versus Pyramided Bt Maize. <i>PLoS ONE</i> , 2014, 9, e112958.	2.5	247
48	Pheromonal Divergence Between Two Strains of <i>Spodoptera frugiperda</i> . <i>Journal of Chemical Ecology</i> , 2013, 39, 364-376.	1.8	63
49	Attraction of Fall Armyworm Males (Lepidoptera: Noctuidae) to Host Strain Females. <i>Environmental Entomology</i> , 2013, 42, 751-757.	1.4	10
50	Captures and Host Strains of Fall Armyworm (Lepidoptera: Noctuidae) Males in Traps Baited with Different Commercial Pheromone Blends. <i>Florida Entomologist</i> , 2013, 96, 729-740.	0.5	11
51	Effect of fall armyworm <i>Spodoptera frugiperda</i> (Lepidoptera: Noctuidae) strain and diet on oviposition and development of the parasitoid <i>Euplectrus platyhypenae</i> (Hymenoptera: Eulophidae). <i>Biological Control</i> , 2013, 66, 21-26.	3.0	8
52	Susceptibility of Field Populations of the Fall Armyworm (Lepidoptera: Noctuidae) from Florida and Puerto Rico to Purified Cry1f Protein and Corn Leaf Tissue Containing Single and Pyramided Bt Genes. <i>Florida Entomologist</i> , 2013, 96, 701-713.	0.5	64
53	Interaction of acetic acid and phenylacetaldehyde as attractants for trapping pest species of moths (Lepidoptera: Noctuidae). <i>Pest Management Science</i> , 2013, 69, 245-249.	3.4	29
54	Examination of the Pest Status of Corn-Infesting Ulidiidae (Diptera). <i>Environmental Entomology</i> , 2012, 41, 1131-1138.	1.4	13

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55	Differential Feeding of Fall Armyworm Lepidoptera(Lepidoptera: Noctuidae) Host Strains on Meridic and Natural Diets. <i>Annals of the Entomological Society of America</i> , 2012, 105, 462-470.	2.5	23
56	Genetic Characterization of Fall Armyworm (Lepidoptera: Noctuidae) Host Strains in Argentina. <i>Journal of Economic Entomology</i> , 2012, 105, 418-428.	1.8	32
57	Thermal Requirements and Development of <i>Herpetogramma phaeopteralis</i>; (Lepidoptera: Crambidae: Spilomelinae). <i>Journal of Economic Entomology</i> , 2012, 105, 1573-1580.	1.8	11
58	Attraction of <i>Plecia nearctica</i> (Diptera: Bibionidae) to Floral Lures Containing Phenylacetaldehyde. <i>Florida Entomologist</i> , 2012, 95, 199-201.	0.5	7
59	Life Table Studies of <i>Rachiplusia nu</i> (GuenÄe) and <i>Chrysodeixis</i> (= <i>Pseudoplusia</i>) <i>Includens</i> (Walker) (Lepidoptera: Noctuidae) on Artificial Diet. <i>Florida Entomologist</i> , 2012, 95, 944-951.	0.5	35
60	Inferring the annual migration patterns of fall armyworm (Lepidoptera: Noctuidae) in the United States from mitochondrial haplotypes. <i>Ecology and Evolution</i> , 2012, 2, 1458-1467.	1.9	129
61	Use of DNA Barcodes to Identify Invasive Armyworm <i>Spodoptera</i> Species in Florida. <i>Journal of Insect Science</i> , 2011, 11, 1-11.	1.5	77
62	Effects of Cyanogenic Plants on Fitness in Two Host Strains of the Fall Armyworm (Spodoptera) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46	1.8	25
63	Oviposition Choice of Two Fall Armyworm (Lepidoptera: Noctuidae) Host Strains. <i>Journal of Insect Behavior</i> , 2011, 24, 337-347.	0.7	26
64	Identification of Fall Armyworm (Lepidoptera: Noctuidae) Host Strains Based on Male-Derived Spermatophores. <i>Florida Entomologist</i> , 2010, 93, 191-197.	0.5	7
65	Binary Floral Lure Attractive to Velvetbean Caterpillar Adults (Lepidoptera: Noctuidae). <i>Florida Entomologist</i> , 2010, 93, 73-79.	0.5	6
66	Puerto Rico Fall Armyworm Has Only Limited Interactions With Those From Brazil or Texas but Could Have Substantial Exchanges With Florida Populations. <i>Journal of Economic Entomology</i> , 2010, 103, 360-367.	1.8	43
67	Texas Is the Overwintering Source of Fall Armyworm in Central Pennsylvania: Implications for Migration Into the Northeastern United States. <i>Environmental Entomology</i> , 2009, 38, 1546-1554.	1.4	49
68	Attractiveness of binary blends of floral odorant compounds to moths in Florida, USA. <i>Entomologia Experimentalis Et Applicata</i> , 2008, 128, 323-329.	1.4	33
69	Using Haplotypes to Monitor the Migration of Fall Armyworm (Lepidoptera: Noctuidae) Corn-Strain Populations from Texas and Florida. <i>Journal of Economic Entomology</i> , 2008, 101, 742-749.	1.8	58
70	Genetic Variation in Neonate Behavior of Fall Armyworm (Lepidoptera: Noctuidae). <i>Florida Entomologist</i> , 2008, 91, 151-158.	0.5	13
71	Structure and Distribution of a Strain-Biased Tandem Repeat Element in Fall Armyworm (Lepidoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 46	2.5	12
72	Using Haplotypes to Monitor the Migration of Fall Armyworm (Lepidoptera: Noctuidae) Corn-Strain Populations from Texas and Florida. <i>Journal of Economic Entomology</i> , 2008, 101, 742-749.	1.8	41

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73	Identification and Comparison of Fall Armyworm (Lepidoptera: Noctuidae) Host Strains in Brazil, Texas, and Florida. <i>Annals of the Entomological Society of America</i> , 2007, 100, 394-402.	2.5	89
74	CATERPILLAR (LEPIDOPTERA: NOCTUIDAE) FEEDING ON PASTURE GRASSES IN CENTRAL FLORIDA. <i>Florida Entomologist</i> , 2007, 90, 295-303.	0.5	11
75	MATING BEHAVIOR AND FEMALE-PRODUCED PHEROMONE USE IN TROPICAL SOD WEBWORM (LEPIDOPTERA: Tj ETQq1 1 0.784314 0.5 6	0.5	6
76	Using Stable Isotope Analysis to Examine Fall Armyworm (Lepidoptera: Noctuidae) Host Strains in a Cotton Habitat. <i>Journal of Economic Entomology</i> , 2007, 100, 1569-1576.	1.8	29
77	Comparison of Haplotype Frequencies Differentiate Fall Armyworm (Lepidoptera: Noctuidae) Corn-Strain Populations from Florida and Brazil. <i>Journal of Economic Entomology</i> , 2007, 100, 954-961.	1.8	58
78	Using Stable Isotope Analysis to Examine Fall Armyworm (Lepidoptera: Noctuidae) Host Strains in a Cotton Habitat. <i>Journal of Economic Entomology</i> , 2007, 100, 1569-1576.	1.8	16
79	Comparison of Haplotype Frequencies Differentiate Fall Armyworm (Lepidoptera: Noctuidae) Corn-Strain Populations from Florida and Brazil. <i>Journal of Economic Entomology</i> , 2007, 100, 954-961.	1.8	43
80	New Restriction Fragment Length Polymorphisms in the Cytochrome Oxidase I Gene Facilitate Host Strain Identification of Fall Armyworm (Lepidoptera: Noctuidae) Populations in the Southeastern United States. <i>Journal of Economic Entomology</i> , 2006, 99, 671-677.	1.8	81
81	Effects of Fall Armyworm (Lepidoptera: Noctuidae) Interstrain Mating in Wild Populations. <i>Environmental Entomology</i> , 2006, 35, 561-568.	1.4	44
82	New Restriction Fragment Length Polymorphisms in the Cytochrome Oxidase I Gene Facilitate Host Strain Identification of Fall Armyworm (Lepidoptera: Noctuidae) Populations in the Southeastern United States. <i>Journal of Economic Entomology</i> , 2006, 99, 671-677.	1.8	45
83	Lawn Caterpillars. <i>Edis</i> , 2006, 2006, .	0.1	0
84	TRAPPING MOCIS SPP. (LEPIDOPTERA: NOCTUIDAE) ADULTS WITH DIFFERENT ATTRACTANTS. <i>Florida Entomologist</i> , 2005, 88, 424-430.	0.5	14
85	Seasonal Distribution of Fall Armyworm (Lepidoptera: Noctuidae) Host Strains in Agricultural and Turf Grass Habitats. <i>Environmental Entomology</i> , 2004, 33, 881-889.	1.4	82
86	Population dynamics and occurrence of <i>Spodoptera frugiperda</i> host strains in southern Florida. <i>Ecological Entomology</i> , 2004, 29, 614-620.	2.2	57
87	BEHAVIOR AND DISTRIBUTION OF THE TWO FALL ARMYWORM HOST STRAINS IN FLORIDA. <i>Florida Entomologist</i> , 2004, 87, 440-449.	0.5	91
88	<l>FR</l> Tandem-Repeat Sequence in Fall Armyworm (Lepidoptera: Noctuidae) Host Strains. <i>Annals of the Entomological Society of America</i> , 2003, 96, 329-335.	2.5	53
89	Trapping noctuid moths with synthetic floral volatile lures. <i>Entomologia Experimentalis Et Applicata</i> , 2002, 103, 219-226.	1.4	55
90	Trapping Fall Armyworm (Lepidoptera: Noctuidae) Adults in Traps Baited with Pheromone and a Synthetic Floral Volatile Compound. <i>Florida Entomologist</i> , 2001, 84, 288.	0.5	29

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91	Collection of Fall Armyworm (Lepidoptera: Noctuidae) Adults and Nontarget Hymenoptera in Different Colored Unitraps. Florida Entomologist, 2001, 84, 77.	0.5	25
92	Collection of Soybean Looper and Other Noctuids in Phenylacetaldehyde-Baited Field Traps. Florida Entomologist, 2001, 84, 154.	0.5	39
93	Collection of Fall Armyworm (Lepidoptera: Noctuidae) Using Selected Pheromone Lures and Trap Designs. Journal of Entomological Science, 2001, 36, 135-142.	0.3	8
94	Nontarget Hymenoptera Collected in Pheromone- and Synthetic Floral Volatile-Baited Traps. Environmental Entomology, 1999, 28, 367-371.	1.4	40
95	Transcriptional differences between the two host strains of <i>Spodoptera frugiperda</i> (Lepidoptera:) Tj ETQq1 1 0.784314 rgBT /Overloc		