

Michael A Caprio

List of Publications by Year in descending order

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38
papers

1,006
citations

516710

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434195

31
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39
docs citations

39
times ranked

598
citing authors

#	ARTICLE	IF	CITATIONS
1	Gene Flow Accelerates Local Adaptation Among Finite Populations: Simulating the Evolution of Insecticide Resistance. <i>Journal of Economic Entomology</i> , 1992, 85, 611-620.	1.8	160
2	Source-Sink Dynamics Between Transgenic and Non-Transgenic Habitats and Their Role in the Evolution of Resistance. <i>Journal of Economic Entomology</i> , 2001, 94, 698-705.	1.8	140
3	Evaluating Resistance Management Strategies for Multiple Toxins in the Presence of External Refuges. <i>Journal of Economic Entomology</i> , 1998, 91, 1021-1031.	1.8	129
4	When and where a seed mix refuge makes sense for managing insect resistance to Bt plants. <i>Crop Protection</i> , 2012, 38, 74-79.	2.1	60
5	<i>Bacillus thuringiensis</i> gene deployment and resistance management in single- and multi-tactic environments. <i>Biocontrol Science and Technology</i> , 1994, 4, 487-497.	1.3	51
6	Modeling the Impact of Alternative Hosts on <i>Helicoverpa zea</i> Adaptation to Bollgard Cotton. <i>Journal of Economic Entomology</i> , 2006, 99, 2116-2124.	1.8	41
7	Metapopulation Dynamics Affect Resistance Development in the Predatory Mite, <i>Metaseiulus occidentalis</i> (Acari: Phytoseiidae). <i>Journal of Economic Entomology</i> , 1994, 87, 525-534.	1.8	34
8	Effects of transgenic <i>Bacillus thuringiensis</i> cotton on insecticide use, heliothine counts, plant damage, and cotton yield: A meta-analysis, 1996-2015. <i>PLoS ONE</i> , 2018, 13, e0200131.	2.5	33
9	Effects of Light, Temperature, and Feeding Status on Flight Initiation in Postdiapause Colorado Potato Beetles (Coleoptera: Chrysomelidae). <i>Environmental Entomology</i> , 1990, 19, 281-285.	1.4	28
10	Premating Isolation in a Simulation Model Generates Frequency-Dependent Selection and Alters Establishment Rates of Resistant Natural Enemies. <i>Journal of Economic Entomology</i> , 1995, 88, 205-212.	1.8	28
11	Genetics and Fitness Costs of Cyromazine Resistance in the House Fly (Diptera: Muscidae). <i>Journal of Economic Entomology</i> , 2002, 95, 1251-1260.	1.8	27
12	Evaluating the impacts of refuge width on source-sink dynamics between transgenic and non-transgenic cotton. <i>Journal of Insect Science</i> , 2004, 4, 3.	1.5	25
13	Model for Implementing a Genetically Improved Strain of a Parasitoid. <i>American Entomologist</i> , 1991, 37, 232-239.	0.2	21
14	IPM Use With the Deployment of a Non-High Dose Bt Pyramid and Mitigation of Resistance for Western Corn Rootworm (<i>Diabrotica virgifera virgifera</i>). <i>Environmental Entomology</i> , 2016, 45, 747-761.	1.4	21
15	Temporal and Spatial Patterns of Allelic Frequencies in Cotton Bollworm (Lepidoptera: Noctuidae). <i>Environmental Entomology</i> , 2002, 31, 462-468.	1.4	20
16	Risk Assessment for <i>Helicoverpa zea</i> (Lepidoptera: Noctuidae) Resistance on Dual-Gene Versus Single-Gene Corn. <i>Journal of Economic Entomology</i> , 2013, 106, 382-392.	1.8	18
17	The Impact of Inter-Kernel Movement in the Evolution of Resistance to Dual-Toxin Bt-Corn Varieties in <i>Helicoverpa zea</i> (Lepidoptera: Noctuidae). <i>Journal of Economic Entomology</i> , 2016, 109, 307-319.	1.8	17
18	Theoretical and empirical assessment of a seed mix refuge in corn for southwestern corn borer. <i>Crop Protection</i> , 2013, 49, 58-65.	2.1	15

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19	Future Fitness of Female Insect Pests in Temporally Stable and Unstable Habitats and Its Impact on Habitat Utility as Refuges for Insect Resistance Management. <i>Journal of Insect Science</i> , 2009, 9, 1-10.	1.5	13
20	Simulating the Impact of Cross Resistance Between Bt toxins in Transformed Clover and Apples in New Zealand. <i>Journal of Economic Entomology</i> , 2000, 93, 173-179.	1.8	12
21	Evidence from Genetic Markers Suggests Seasonal Variation in Dispersal in <i>Heliothis virescens</i> (Lepidoptera: Noctuidae). <i>Environmental Entomology</i> , 2004, 33, 1223-1231.	1.4	12
22	Density Dependence and Growth Rate: Evolutionary Effects on Resistance Development to Bt (<i>Bacillus thuringiensis</i>) in <i>Heliothis virescens</i> . <i>Journal of Economic Entomology</i> , 2001, 94, 100-107.	1.8	12
23	The Corn Belt Cotton Agroecosystem in the Mid-Southern United States: What Insecticidal Event Pyramids Should be Used in Each Crop to Extend Vip3A Durability. <i>Journal of Economic Entomology</i> , 2019, 112, 2894-2906.	1.8	12
24	Experimental and theoretical landscape influences on <i>Spodoptera frugiperda</i> movement and resistance evolution in contaminated refuge areas of Bt cotton. <i>Journal of Pest Science</i> , 2020, 93, 329-340.	3.7	11
25	Characterization of male and female wingbeat frequencies in the <i>Anopheles quadrimaculatus</i> complex in Mississippi. <i>Journal of the American Mosquito Control Association</i> , 2001, 17, 186-9.	0.7	8
26	Evaluating transgenic plants for suitability in pest and resistance management programs. <i>Journal of Economic Entomology</i> , 2007, 99, 769-789.		7
27	Population analyses of <i>Amblyomma maculatum</i> ticks and <i>Rickettsia parkeri</i> using single-strand conformation polymorphism. <i>Ticks and Tick-borne Diseases</i> , 2013, 4, 439-444.	2.7	6
28	Evolutionary process modeling with Bayesian inference of <i>Spodoptera frugiperda</i> ballooning and walking dispersal in Bt and non-Bt cotton plant mixtures. <i>Entomologia Experimentalis Et Applicata</i> , 2021, 169, 721-731.	1.4	6
29	Assessing Risk of Resistance to Aerial Applications of Methyl-Parathion in Western Corn Rootworm (<i>Coleoptera: Chrysomelidae</i>). <i>Journal of Economic Entomology</i> , 2006, 99, 483-493.	1.8	6
30	Prevalence of <i>Helicoverpa zea</i> (Lepidoptera: Noctuidae) on late season volunteer corn in Mississippi: Implications on Bt resistance management. <i>Crop Protection</i> , 2014, 64, 207-214.	2.1	5
31	Impact of Insect Management on Population Dynamics and Insecticide Resistance of Tarnished Plant Bug (Hemiptera: Miridae). <i>Journal of Economic Entomology</i> , 2016, 109, 2517-2524.	1.8	5
32	Models of <i>Diabrotica</i> Populations: Demography, Population Genetics, Geographic Spread, and Management. <i>Insects</i> , 2020, 11, 712.	2.2	5
33	Educating the Next Generation of Insect Rearing Professionals: Lessons from the International Insect Rearing Workshop, Mississippi State University, 2000-2017. <i>American Entomologist</i> , 2018, 64, 102-111.	0.2	4
34	Location of <i>Helicoverpa zea</i> (Lepidoptera: Noctuidae) larvae on different plant parts of determinate and indeterminate soybean. <i>Bulletin of Entomological Research</i> , 2020, 110, 725-731.	1.0	4
35	Vertical and temporal distribution of <i>Helicoverpa zea</i> (Lepidoptera: Noctuidae) larvae in determinate and indeterminate soybean. <i>Bulletin of Entomological Research</i> , 2021, 111, 282-288.	1.0	4
36	Diffusion Rates and Dispersal Patterns of Unfed versus Recently Fed Bed Bugs (<i>Cimex lectularius</i> L.). <i>Insects</i> , 2015, 6, 792-804.	2.2	2

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37	Quantifying the Contribution of Seed Blended Refugia in Field Corn to <i>Helicoverpa zea</i> (Lepidoptera: Noctuidae) Populations. <i>Journal of Economic Entomology</i> , 2021, 114, 1771-1778.	1.8	2
38	Characteristics of 11 polymorphic microsatellite markers in the red imported fire ant, <i>Solenopsis invicta</i> Buren. <i>Molecular Ecology Resources</i> , 2009, 9, 822-824.	4.8	0