Gregory Loeb

List of Publications by Year
in descending order

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Version: 2024-02-01

66 papers	2,483 citations	218677 26 h-index	214800 47 g-index
66 all docs	66 docs citations	66 times ranked	2595 citing authors

#	Article	IF	Citations
1	The effectiveness of flower strips and hedgerows on pest control, pollination services and crop yield: a quantitative synthesis. Ecology Letters, 2020, 23, 1488-1498.	6.4	319
2	Agriculturally dominated landscapes reduce bee phylogenetic diversity and pollination services. Science, 2019, 363, 282-284.	12.6	183
3	Historical and projected interactions between climate change and insect voltinism in a multivoltine species. Global Change Biology, 2008, 14, 951-957.	9.5	180
4	Multistate Comparison of Attractants for Monitoring Drosophila suzukii (Diptera: Drosophilidae) in Blueberries and Caneberries. Environmental Entomology, 2015, 44, 704-712.	1.4	137
5	Deciphering the routes of invasion of Drosophila suzukii by means of ABC random forest. Molecular Biology and Evolution, 2017, 34, msx050.	8.9	132
6	Drosophila suzukii (Diptera: Drosophilidae): A Decade of Research Towards a Sustainable Integrated Pest Management Program. Journal of Economic Entomology, 2021, 114, 1950-1974.	1.8	113
7	Identification and Field Evaluation of Grape Shoot Volatiles Attractive to Female Grape Berry Moth (Paralobesia viteana). Journal of Chemical Ecology, 2008, 34, 1180-1189.	1.8	91
8	Landscape simplification decreases wild bee pollination services to strawberry. Agriculture, Ecosystems and Environment, 2015, 211, 51-56.	5.3	89
9	Eavesdropping on Plant Volatiles by a Specialist Moth: Significance of Ratio and Concentration. PLoS ONE, 2011, 6, e17033.	2.5	73
10	Behavioral response of spottedâ€wing drosophila, Drosophila suzukii Matsumura, to aversive odors and a potential oviposition deterrent in the field. Pest Management Science, 2016, 72, 701-706.	3.4	62
11	Landscape Simplification Constrains Adult Size in a Native Ground-Nesting Bee. PLoS ONE, 2016, 11, e0150946.	2.5	61
12	Developmental Acclimation ofDrosophila suzukii(Diptera: Drosophilidae) and Its Effect on Diapause and Winter Stress Tolerance. Environmental Entomology, 2016, 45, 1081-1089.	1.4	59
13	Sucrose Improves Insecticide Activity Against Drosophila suzukii (Diptera: Drosophilidae). Journal of Economic Entomology, 2015, 108, 640-653.	1.8	57
14	Comparison of a Synthetic Chemical Lure and Standard Fermented Baits for TrappingDrosophila suzukii(Diptera: Drosophilidae). Environmental Entomology, 2013, 42, 1052-1060.	1.4	56
15	Simpler is better: fewer nonâ€target insects trapped with a fourâ€component chemical lure vs. a chemically more complex foodâ€type bait for <scp>D</scp>rosophila suzukii. Entomologia Experimentalis Et Applicata, 2015, 154, 251-260.	1.4	52
16	The influence of temperature and photoperiod on the reproductive diapause and cold tolerance of spottedâ€wing drosophila, <scp>D</scp>rosophila suzukii. Entomologia Experimentalis Et Applicata, 2016, 159, 327-337.	1.4	48
17	Insights Into the Ecology of Grapevine red blotch virus in a Diseased Vineyard. Phytopathology, 2018, 108, 94-102.	2.2	44
18	Grape Sour Rot: A Four-Way Interaction Involving the Host, Yeast, Acetic Acid Bacteria, and Insects. Phytopathology, 2018, 108, 1429-1442.	2.2	40

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19	Phenotypic Plasticity Promotes Overwintering Survival in A Globally Invasive Crop Pest, Drosophila suzukii. Insects, 2018, 9, 105.	2.2	39
20	Landscape context shifts the balance of costs and benefits from wildflower borders on multiple ecosystem services. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20181102.	2.6	37
21	How gut transcriptional function of Drosophila melanogaster varies with the presence and composition of the gut microbiota. Molecular Ecology, 2018, 27, 1848-1859.	3.9	36
22	Interactions Between Biotic and Abiotic Factors Affect Survival in OverwinteringDrosophila suzukii(Diptera: Drosophilidae). Environmental Entomology, 2019, 48, 454-464.	1.4	36
23	Non-Crop Host Sampling Yields Insights into Small-Scale Population Dynamics of Drosophila suzukii (Matsumura). Insects, 2018, 9, 5.	2.2	34
24	Habitat enhancements rescue bee body size from the negative effects of landscape simplification. Journal of Applied Ecology, 2019, 56, 2144-2154.	4.0	33
25	Comparison of Commercial Lures and Food Baits for Early Detection of Fruit Infestation Risk by Drosophila suzukii (Diptera: Drosophilidae). Journal of Economic Entomology, 2018, 111, 645-652.	1.8	32
26	Robust Manipulations of Pest Insect Behavior Using Repellents and Practical Application for Integrated Pest Management. Environmental Entomology, 2017, 46, 1041-1050.	1.4	31
27	Not berry hungry? Discovering the hidden food sources of a small fruit specialist, Drosophila suzukii. Ecological Entomology, 2019, 44, 810-822.	2.2	30
28	Flight Tunnel Responses of Female Grape Berry Moth (Paralobesia viteana) to Host Plants. Journal of Chemical Ecology, 2008, 34, 622-627.	1.8	28
29	Interactions among morphotype, nutrition, and temperature impact fitness of an invasive fly. Ecology and Evolution, 2019, 9, 2615-2628.	1.9	23
30	Control of Sour Rot Using Chemical and Canopy Management Techniques. American Journal of Enology and Viticulture, 2018, 69, 342-350.	1.7	21
31	Laboratory and Field Evaluation of Host-Related Foraging Odor-Cue Combinations to Attract Drosophila suzukii (Diptera: Drosophilidae). Journal of Economic Entomology, 2019, 112, 2850-2860.	1.8	21
32	Grapevine Red Blotch Virus Is Transmitted by the Three-Cornered Alfalfa Hopper in a Circulative, Nonpropagative Mode with Unique Attributes. Phytopathology, 2021, 111, 1851-1861.	2.2	20
33	Overwintering Behavior of Drosophila suzukii, and Potential Springtime Diets for Egg Maturation. Environmental Entomology, 2018, 47, 1266-1273.	1.4	19
34	<scp>CropPol</scp>: A dynamic, open and global database on crop pollination. Ecology, 2022, 103, e3614.	3.2	19
35	2â€Pentylfuran: a novel repellent of Drosophila suzukii. Pest Management Science, 2021, 77, 1757-1764.	3.4	17
36	Responses of Crop Pests and Natural Enemies to Wildflower Borders Depends on Functional Group. Insects, 2017, 8, 73.	2.2	16

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37	Insecticide Resistance in Drosophila melanogaster (Diptera: Drosophilidae) is Associated with Field Control Failure of Sour Rot Disease in a New York Vineyard. Journal of Economic Entomology, 2019, 112, 1498-1501.	1.8	15
38	Timing and order of different insecticide classes drive control of Drosophila suzukii; a modeling approach. Journal of Pest Science, 2021, 94, 743-755.	3.7	15
39	Factors affecting the implementation of exclusion netting to control Drosophila suzukii on primocane raspberry. Crop Protection, 2020, 135, 105191.	2.1	15
40	Evaluation of Strawberry Sap Beetle (Coleoptera: Nitidulidae) Use of Habitats Surrounding Strawberry Plantings as Food Resources and Overwintering Sites. Environmental Entomology, 2007, 36, 1059-1065.	1.4	13
41	Potential Impact of Halyomorpha halys (Hemiptera: Pentatomidae) on Grape Production in the Finger Lakes Region of New York. Journal of Entomological Science, 2014, 49, 290-303.	0.3	13
42	A Multiple-Choice Bioassay Approach for Rapid Screening of Key Attractant Volatiles. Environmental Entomology, 2018, 47, 946-950.	1.4	12
43	Behavioral evidence for contextual olfactoryâ€mediated avoidance of the ubiquitous phytopathogen Botrytis cinerea by Drosophila suzukii. Insect Science, 2020, 27, 771-779.	3.0	11
44	Automated aerosol puffers effectively deliver 1â€OCTENâ€3â€OL, an oviposition antagonist useful against spottedâ€wing drosophila. Pest Management Science, 2021, 77, 389-396.	3.4	11
45	Monitoring Grape Berry Moth (Paralobesia viteana: Lepidoptera) in Commercial Vineyards using a Host Plant Based Synthetic Lure. Environmental Entomology, 2011, 40, 1511-1522.	1.4	10
46	Transmission of Grapevine Red Blotch Virus by Spissistilus festinus [Say, 1830] (Hemiptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 T	3.3	9
47	Influence of Trap Design on Upwind Flight Behavior and Capture of Female Grape Berry Moth (Lepidoptera: Tortricidae) With a Kairomone Lure. Environmental Entomology, 2013, 42, 150-157.	1.4	8
48	A comparison of weed, pathogen and insect pests between low tunnel and open-field grown strawberries in New York. Crop Protection, 2021, 139, 105388.	2.1	8
49	Plants, microbes, and odorants involved in host plant location by a specialist moth: who's making the message?. Entomologia Experimentalis Et Applicata, 2019, 167, 313-322.	1.4	7
50	Electrophysiological and behavioral identification of a volatile blend involved in host location of female strawberry sap beetle, Stelidota geminata. Entomologia Experimentalis Et Applicata, 2011, 140, 153-162.	1.4	6
51	Insecticide resistance in Drosophila melanogaster in vineyards and evaluation of alternative insecticides. Pest Management Science, 2022, 78, 1272-1278.	3.4	6
52	Lack of trade-off between direct and indirect defence against grape powdery mildew in riverbank grape. Ecological Entomology, 2006, 31, 415-422.	2.2	5
53	Field and Laboratory Testing of Feeding Stimulants to Enhance Insecticide Efficacy Against Spotted-Wing Drosophila, Drosophila suzukii (Matsumura). Journal of Economic Entomology, 2021, 114, 1638-1646.	1.8	5
54	Progress and Challenges in Building Monitoring Systems for Drosophila suzukii. , 2020, , 111-132.		5

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55	Comparison of Three Dispenser Distribution Patterns for Pheromone Mating Disruption of <I>Paralobesia viteana</I> (Lepidoptera: Tortricidae) in Vineyards. Journal of Economic Entomology, 2012, 105, 936-942.	1.8	3
56	Proximate Mechanisms of Host Plant Location by a Specialist Phytophagous Insect, the Grape Berry Moth, Paralobesia Viteana. Journal of Chemical Ecology, 2019, 45, 946-958.	1.8	3
57	Evaluation of RNA Interference for Control of the Grape Mealybug Pseudococcus maritimus (Hemiptera: Pseudococcidae). Insects, 2020, 11, 739.	2.2	3
58	The effect of plastic low tunnels on natural enemies and pollinators in New York strawberry. Crop Protection, 2022, 151, 105820.	2.1	3
59	The Effect of Erwinia amylovora Infection in Apple Saplings and Fruit on the Behavior of Delia platura (Diptera: Anthomyiidae). Environmental Entomology, 2021, 50, 117-125.	1.4	3
60	Evaluation of Cultural Practices for Potential to Control Strawberry Sap Beetle (Coleoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 T	1.8	2
61	First Record ofOligosita sanguinea(Girault) (Hymenoptera: Trichogrammatidae) as an Egg Parasitoid ofHymetta balteataMcatee (Hemiptera: Cicadellidae) in Upstate New York. Entomologica Americana, 2013, 119, 42-43.	0.2	1
62	A fixed-spray system for Spotted Wing Drosophila management in high tunnel bramble crops. Journal of Berry Research, 2015, 5, 81-88.	1.4	1
63	Habitat cues synergize to elicit chemically mediated landing behavior in a specialist phytophagous insect, the grape berry moth. Entomologia Experimentalis Et Applicata, 2020, 168, 880-889.	1.4	1
64	Winter warm-up frequency and the degree of temperature fluctuations affect survival outcomes of spotted-wing drosophila winter morphotypes. Journal of Insect Physiology, 2021, 131, 104246.	2.0	1
65	Diet Hierarchies Guide Temporal-Spatial Variation in Drosophila suzukii Resource Use. Frontiers in Ecology and Evolution, 2022, 9, .	2.2	0
66	The effect of <scp>UVB</scp> â€blocking plastics on efficacy of Beauveria bassiana and a conventional product against Lygus lineolaris on low tunnel strawberry. Pest Management Science, 0, , .	3.4	0