Donald C Weber

List of Publications by Year
in descending order

48 papers	1,841 citations	304743 22 h-index	276875 41 g-index
49 all docs	49 docs citations	49 times ranked	1237 citing authors

#	Article	IF	Citations
1	Trade-offs and synergies in management of two co-occurring specialist squash pests. Journal of Pest Science, 2022, 95, 327-338.	3.7	6
2	Both maleâ€•and femaleâ€þroduced pheromones influence Colorado potato beetle movement in the field. Pest Management Science, 2022, 78, 3795-3803.	3.4	4
3	Biological and behavioral control of potato insect pests. , 2022, , 231-276.		3
4	Trapping of Crucifer-Feeding Flea Beetles (Phyllotreta spp.) (Coleoptera: Chrysomelidae) With Pheromones and Plant Kairomones. Journal of Economic Entomology, 2022, 115, 748-756.	1.8	3
5	OUP accepted manuscript. Environmental Entomology, 2022, , .	1.4	2
6	Effect of Plastic Mulch Colors on Anasa tristis (Hemiptera: Coreidae) Population Dynamics in Summer Squash, Cucurbita pepo (Cucurbitales: Cucurbitaceae). Journal of Economic Entomology, 2022, , .	1.8	1
7	Striped cucumber Beetle and Western Striped Cucumber Beetle (Coleoptera: Chrysomelidae). Journal of Integrated Pest Management, 2021, 12, .	2.0	17
8	Parasitism and Predation on Sentinel Egg Masses of Three Stink Bug Species (Hemiptera: Pentatomidae) in Native and Exotic Ornamental Landscapes. Journal of Economic Entomology, 2021, 114, 590-596.	1.8	8
9	Trap Cropping Harlequin Bug: Distance of Separation Influences Female Movement and Oviposition. Journal of Economic Entomology, 2021, 114, 848-856.	1.8	0
10	Trissolcus japonicus foraging behavior: Implications for host preference and classical biological control. Biological Control, 2021, 161, 104700.	3.0	15
11	Attractiveness of Pheromone Components With and Without the Synergist, Methyl (2E,4E,6Z)-2,4,6-Decatrienoate, to Brown Marmorated Stink Bug (Hemiptera: Pentatomidae). Journal of Economic Entomology, 2020, 113, 712-719.	1.8	3
12	Transcriptome Sequencing of the Striped Cucumber Beetle, Acalymma vittatum (F.), Reveals Numerous Sex-Specific Transcripts and Xenobiotic Detoxification Genes. BioTech, 2020, 9, 21.	2.6	7
13	Male Colorado potato beetles alter search behavior in response to prior female presence on potato plants. Journal of Pest Science, 2020, 93, 595-604.	3.7	3
14	An IDS-Type Sesquiterpene Synthase Produces the Pheromone Precursor (Z)-Î±-Bisabolene in Nezara viridula. Journal of Chemical Ecology, 2019, 45, 187-197.	1.8	30
15	Fooling the Harlequin Bug (Hemiptera: Pentatomidae) Using Synthetic Volatiles to Alter Host Plant Choice. Environmental Entomology, 2018, 47, 432-439.	1.4	8
16	Enhanced Response of Halyomorpha halys (Hemiptera: Pentatomidae) to Its Aggregation Pheromone with Ethyl Decatrienoate. Journal of Economic Entomology, 2018, 111, 495-499.	1.8	16
17	Avoiding Unwanted Vicinity Effects With Attract-and-Kill Tactics for Harlequin Bug, Murgantia histrionica (Hahn) (Hemiptera: Pentatomidae). Journal of Economic Entomology, 2018, 111, 1780-1787.	1.8	7
18	Field Attraction of Striped Cucumber Beetles to a Synthetic Vittatalactone Mixture. Journal of Economic Entomology, 2018, 111, 2988-2991.	1.8	8

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19	De novo formation of an aggregation pheromone precursor by an isoprenyl diphosphate synthase-related terpene synthase in the harlequin bug. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E8634-E8641.	7.1	43
20	Semiochemistry of Pentatomoidea. , 2018, , 677-726.		20
21	Expedient synthesis of bisabolenol stink bug pheromones via stereodefined cyclohex-2-enones. Tetrahedron Letters, 2017, 58, 2066-2068.	1.4	2
22	Chemical ecology of Halyomorpha halys: discoveries and applications. Journal of Pest Science, 2017, 90, 989-1008.	3.7	75
23	Indigenous arthropod natural enemies of the invasive brown marmorated stink bug in North America and Europe. Journal of Pest Science, 2017, 90, 1009-1020.	3.7	137
24	Color Preference of Harlequin Bug (Heteroptera: Pentatomidae). Journal of Economic Entomology, 2017, 110, 2275-2277.	1.8	6
25	Special issue on the brown marmorated stink bug, Halyomorpha halys: an emerging pest of global concern. Journal of Pest Science, 2017, 90, 987-988.	3.7	38
26	A Transcriptome Survey Spanning Life Stages and Sexes of the Harlequin Bug, Murgantia histrionica. Insects, 2017, 8, 55.	2.2	20
27	Attack and Success of Native and Exotic Parasitoids on Eggs of Halyomorpha halys in Three Maryland Habitats. PLoS ONE, 2016, 11, e0150275.	2.5	98
28	Biological control of sentinel egg masses of the exotic invasive stink bug Halyomorpha halys (StÃ¥l) in Mid-Atlantic USA ornamental landscapes. Biological Control, 2016, 103, 11-20.	3.0	62
29	Supercooling Points ofMurgantia histrionica(Hemiptera: Pentatomidae) and Field Mortality in the Mid-Atlantic United States Following Lethal Low Temperatures. Environmental Entomology, 2016, 45, 1294-1299.	1.4	11
30	Marking and retention of harlequin bug, Murgantia histrionica (Hahn) (Hemiptera: Pentatomidae), on pheromone-baited and unbaited plants. Journal of Pest Science, 2016, 89, 21-29.	3.7	11
31	Attraction of the Invasive Halyomorpha halys (Hemiptera: Pentatomidae) to Traps Baited with Semiochemical Stimuli Across the United States. Environmental Entomology, 2015, 44, 746-756.	1.4	86
32	Behavioral Responses of the Invasive Halyomorpha halys (StÃ¥l) to Traps Baited with Stereoisomeric Mixtures of 10,11-Epoxy-1-bisabolen-3-OL. Journal of Chemical Ecology, 2015, 41, 418-429.	1.8	43
33	Determination of the Stereochemistry of the Aggregation Pheromone of Harlequin Bug, Murgantia histrionica. Journal of Chemical Ecology, 2014, 40, 1260-1268.	1.8	30
34	Attractiveness of Harlequin Bug, Murgantia histrionica, Aggregation Pheromone: Field Response to Isomers, Ratios, and Dose. Journal of Chemical Ecology, 2014, 40, 1251-1259.	1.8	32
35	Synergy of Aggregation Pheromone With Methyl (<I>E,E,Z</I>)-2,4,6-Decatrienoate in Attraction of <I>Halyomorpha halys</I> (Hemiptera: Pentatomidae). Journal of Economic Entomology, 2014, 107, 1061-1068.	1.8	131
36	The detectability halfâ€life in arthropod predatorâ€“prey research: what it is, why we need it, how to measure it, and how to use it. Molecular Ecology, 2014, 23, 3799-3813.	3.9	102

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37	Discovery of the Aggregation Pheromone of the Brown Marmorated Stink Bug (Halyomorpha) Tj ETQq1 1 0.784314 rgBT /Overloc Products, 2014, 77, 1708-1717.	3.0	162
38	Biological Control of Potato Insect Pests. , 2013, , 399-437.		5
39	Unnecessary roughness? Testing the hypothesis that predators destined for molecular gutâ€content analysis must be handâ€collected to avoid crossâ€contamination. Molecular Ecology Resources, 2011, 11, 286-293.	4.8	38
40	Effect of prior diet on consumption and digestion of prey and non-prey food by adults of the generalist predator Coleomegilla maculata. Entomologia Experimentalis Et Applicata, 2011, 140, 146-152.	1.4	20
41	Sugar feeding by coccinellids under field conditions: the effects of sugar sprays in soybean. BioControl, 2011, 56, 305-314.	2.0	26
42	Changes in digestive rate of a predatory beetle over its larval stage: Implications for dietary breadth. Journal of Insect Physiology, 2010, 56, 431-437.	2.0	34
43	Choosing natural enemies for conservation biological control: use of the prey detectability halfâ€life to rank key predators of Colorado potato beetle. Entomologia Experimentalis Et Applicata, 2010, 136, 97-107.	1.4	83
44	Assessing the trophic ecology of the Coccinellidae: Their roles as predators and as prey. Biological Control, 2009, 51, 199-214.	3.0	115
45	Coccinellidae as predators of mites: Stethorini in biological control. Biological Control, 2009, 51, 268-283.	3.0	124
46	Detection of Predation Using qPCR: Effect of Prey Quantity, Elapsed Time, Chaser Diet, and Sample Preservation on Detectable Quantity of Prey DNA. Journal of Insect Science, 2009, 9, 1-12.	1.5	82
47	Lady beetle (Coleoptera: Coccinellidae) tracks deter oviposition by the goldeneyed lacewing,Chrysopa oculata. Biocontrol Science and Technology, 2008, 18, 727-731.	1.3	7
48	Ovipositional and Flight Behavior of Overwintered Colorado Potato Beetle (Coleoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td (C	1.4	57