Vaughn M Walton

List of Publications by Year
in descending order

78 papers	5,367 citations	117625 34 h-index	91884 69 g-index
80 all docs	80 docs citations	80 times ranked	2390 citing authors

#	Article	IF	Citations
1	Comparative Insecticide Application Techniques (Micro-Sprinkler) Against Drosophila suzukii Matsumura (Diptera: Drosophilidae) in Highbush Blueberry. Environmental Entomology, 2022, 51, 413-420.	1.4	1
2	A Horticultural Cuticle Supplement Can Impact Quality Characters andDrosophila suzukiiDamage of Several Small and Stone Fruit. Environmental Entomology, 2022, 51, 772-779.	1.4	3
3	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
4	Liquid Baits with Oenococcus oeni Increase Captures of Drosophila suzukii. Insects, 2021, 12, 66.	2.2	7
5	Cultural Control of Drosophila suzukii in Small Fruitâ€"Current and Pending Tactics in the U.S.. Insects, 2021, 12, 172.	2.2	30
6	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
7	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
8	Population genomics of Drosophila suzukii reveal longitudinal population structure and signals of migrations in and out of the continental United States. G3: Genes, Genomes, Genetics, 2021, 11, .	1.8	19
9	Mulching as a cultural control strategy for Drosophila suzukii in blueberry. Pest Management Science, 2020, 76, 55-66.	3.4	22
10	Canopy spray deposition and related mortality impacts of commonly used insecticides on Drosophila suzukii Matsumura (Diptera: Drosophilidae) populations in blueberry. Pest Management Science, 2020, 76, 1531-1540.	3.4	14
11	Distinct genotypes and phenotypes in European and American strains of Drosophila suzukii: implications for biology and management of an invasive organism. Journal of Pest Science, 2020, 93, 77-89.	3.7	29
12	Development of a Mating Disruption Program for a Mealybug, Planococcus ficus, in Vineyards. Insects, 2020, 11, 635.	2.2	14
13	Lethal and sub-lethal effects of low-temperature exposures on Halyomorpha halys (Hemiptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.3	13
14	Reproductive Site Selection: Evidence of an Oviposition Cue in a Highly Adaptive Dipteran, Drosophila suzukii (Diptera: Drosophilidae). Environmental Entomology, 2020, 49, 355-363.	1.4	30
15	Pruning of small fruit crops can affect habitat suitability for Drosophila suzukii. Agriculture, Ecosystems and Environment, 2020, 294, 106860.	5.3	24
16	Drosophila suzukii daily dispersal between distinctly different habitats. Entomologia Generalis, 2020, 40, 25-37.	3.1	25
17	Factors affecting the biology of Pachycrepoideus vindemmiae (Hymenoptera: Pteromalidae), a parasitoid of spotted-wing drosophila (Drosophila suzukii). PLoS ONE, 2019, 14, e0218301.	2.5	22
18	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

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19	Interactions Between Biotic and Abiotic Factors Affect Survival in OverwinteringDrosophila suzukii(Diptera: Drosophilidae). Environmental Entomology, 2019, 48, 454-464.	1.4	36
20	Intraspecific Competition Affects the Pupation Behavior of Spotted-Wing Drosophila (Drosophila) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.3	24
21	Biological Control of Spotted-Wing Drosophila (Diptera: Drosophilidae)â€"Current and Pending Tactics. Journal of Integrated Pest Management, 2019, 10, .	2.0	105
22	Interactions among morphotype, nutrition, and temperature impact fitness of an invasive fly. Ecology and Evolution, 2019, 9, 2615-2628.	1.9	23
23	Water-Deprived Parasitic Wasps (Pachycrepoideus vindemmiae) Kill More Pupae of a Pest (Drosophila) Tj ETQq1 1 0.784314 rgBT /Over	3.3	21
24	Spatial Associations of Vines Infected With Grapevine Red Blotch Virus in Oregon Vineyards. Plant Disease, 2019, 103, 1507-1514.	1.4	29
25	Drip and Overhead Sprinkler Irrigation in Blueberry as Cultural Control forDrosophila suzukii(Diptera: Drosophilidae) in Northwestern United States. Journal of Economic Entomology, 2019, 112, 745-752.	1.8	28
26	Title is missing!. , 2019, 14, e0218301.		0
27	Title is missing!. , 2019, 14, e0218301.		0
28	Title is missing!. , 2019, 14, e0218301.		0
29	Title is missing!. , 2019, 14, e0218301.		0
30	Halyomorpha halys (Hemiptera: Pentatomidae) Winter Survival, Feeding Activity, and Reproduction Rates Based on Episodic Cold Shock and Winter Temperature Regimes. Journal of Economic Entomology, 2018, 111, 1210-1218.	1.8	10
31	Thermal Performance of Two Indigenous Pupal Parasitoids Attacking the Invasive Drosophila suzukii (Diptera: Drosophilidae). Environmental Entomology, 2018, 47, 764-772.	1.4	35
32	Drosophila suzukii (Diptera: Drosophilidae) Contributes to the Development of Sour Rot in Grape. Journal of Economic Entomology, 2018, 111, 283-292.	1.8	48
33	Seasonal Reproductive Biology of Drosophila suzukii (Diptera: Drosophilidae) in Temperate Climates. Environmental Entomology, 2018, 47, 166-174.	1.4	41
34	Survival and Fecundity Parameters of TwoDrosophila suzukii(Diptera: Drosophilidae) Morphs on Variable Diet Under Suboptimal Temperatures. Journal of Insect Science, 2018, 18, .	1.5	23
35	Large-scale spatial dynamics of Drosophila suzukii in Trentino, Italy. Journal of Pest Science, 2018, 91, 1213-1224.	3.7	78
36	Determining the geographic origin of invasive populations of the mealybug Planococcus ficus based on molecular genetic analysis. PLoS ONE, 2018, 13, e0193852.	2.5	23

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37	Optimized timing of parasitoid release: a mathematical model for biological control of Drosophila suzukii. Theoretical Ecology, 2018, 11, 489-501.	1.0	32
38	Influence of Winemaking Processing Steps on the Amounts of (E)-2-Decenal and Tridecane as Off-Odorants Caused by Brown Marmorated Stink Bug (Halyomorpha halys). Journal of Agricultural and Food Chemistry, 2017, 65, 872-878.	5.2	8
39	Seasonal cues induce phenotypic plasticity of Drosophila suzukii to enhance winter survival. BMC Ecology, 2016, 16, 11.	3.0	155
40	Drosophila suzukii population response to environment and management strategies. Journal of Pest Science, 2016, 89, 653-665.	3.7	90
41	Biotic and abiotic factors impacting development, behavior, phenology, and reproductive biology of Drosophila suzukii. Journal of Pest Science, 2016, 89, 605-619.	3.7	156
42	Characterization and manipulation of fruit susceptibility to Drosophila suzukii. Journal of Pest Science, 2016, 89, 771-780.	3.7	75
43	Impact of floral feeding on adult Drosophila suzukii survival and nutrient status. Journal of Pest Science, 2016, 89, 793-802.	3.7	56
44	Population dynamics and ecology of Drosophila suzukii in Central California. Journal of Pest Science, 2016, 89, 701-712.	3.7	96
45	First exploration of parasitoids of Drosophila suzukii in South Korea as potential classical biological agents. Journal of Pest Science, 2016, 89, 823-835.	3.7	151
46	Host stage preference, efficacy and fecundity of parasitoids attacking Drosophila suzukii in newly invaded areas. Biological Control, 2015, 84, 28-35.	3.0	111
47	Invasion biology of spotted wing Drosophila (Drosophila suzukii): a global perspective and future priorities. Journal of Pest Science, 2015, 88, 469-494.	3.7	711
48	Characterizing Damage of Brown Marmorated Stink Bug (Hemiptera: Pentatomidae) in Blueberries. Journal of Economic Entomology, 2015, 108, 1156-1163.	1.8	28
49	Factors affecting flight capacity of brown marmorated stink bug, Halyomorpha halys (Hemiptera:) Tj ETQq1 1 0.784314 rgBT /Overlock	3.7	107
50	Integrating Temperature-Dependent Life Table Data into a Matrix Projection Model for Drosophila suzukii Population Estimation. PLoS ONE, 2014, 9, e106909.	2.5	124
51	Electronically Monitored Labial Dabbing and Stylet â€˜Probingâ€™ Behaviors of Brown Marmorated Stink Bug, Halyomorpha halys, in Simulated Environments. PLoS ONE, 2014, 9, e113514.	2.5	14
52	Temperature-Related Development and Population Parameters forDrosophila suzukii(Diptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.4	301
53	Genome of Drosophila suzukii, the Spotted Wing Drosophila. G3: Genes, Genomes, Genetics, 2013, 3, 2257-2271.	1.8	126
54	Trap Designs for Monitoring <I>Drosophila suzukii</I> (Diptera: Drosophilidae). Environmental Entomology, 2013, 42, 1348-1355.	1.4	85

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55	Evaluation of methyl salicylate lures on populations of Typhlodromus pyri (Acari: Phytoseiidae) and other natural enemies in western Oregon vineyards. Biological Control, 2012, 63, 48-55.	3.0	41
56	Evaluation of Monitoring Traps for <I>Drosophila suzukii</I> (Diptera: Drosophilidae) in North America. Journal of Economic Entomology, 2012, 105, 1350-1357.	1.8	117
57	Biology and Management of Mealybugs in Vineyards. , 2012, , 271-307.		103
58	Temperature-related development and population parameters for Typhlodromus pyri (Acari:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 T	1.6	14
59	Olfactory response of Typhlodromus pyri (Acari: Phytoseiidae) to synthetic methyl salicylate in laboratory bioassays. Journal of Applied Entomology, 2012, 136, 476-480.	1.8	7
60	Relationship of Black Vine Weevil Egg Density and Damage to Two Cranberry Cultivars. Hortscience: A Publication of the American Society for Hortcultural Science, 2012, 47, 755-761.	1.0	1
61	Laboratory survival of Drosophila suzukii under simulated winter conditions of the Pacific Northwest and seasonal field trapping in five primary regions of small and stone fruit production in the United States. Pest Management Science, 2011, 67, 1368-1374.	3.4	238
62	Impact of Vineyard Pesticides on a Beneficial Arthropod, Typhlodromus pyri (Acari: Phytoseiidae), in Laboratory Bioassays. Journal of Economic Entomology, 2011, 104, 970-977.	1.8	30
63	Development of a Multiplex PCR for Identification of Vineyard Mealybugs. Environmental Entomology, 2011, 40, 1595-1603.	1.4	41
64	Drosophila suzukii (Diptera: Drosophilidae): Invasive Pest of Ripening Soft Fruit Expanding its Geographic Range and Damage Potential. Journal of Integrated Pest Management, 2011, 2, G1-G7.	2.0	657
65	Susceptibility of Hazelnut Cultivars to Filbertworm, Cydia latiferreana. Hortscience: A Publication of the American Society for Hortcultural Science, 2011, 46, 1377-1380.	1.0	12
66	Control of Overwintering Filbertworm (Lepidoptera: Tortricidae) Larvae With <I>Steinernema carpocapsae</I>. Journal of Economic Entomology, 2010, 103, 416-422.	1.8	20
67	Crop domestication relaxes both top-down and bottom-up effects on a specialist herbivore. Basic and Applied Ecology, 2009, 10, 216-227.	2.7	55
68	A Survey of Scale Insects (Sternorryncha: Coccoidea) Occurring on Table Grapes in South Africa. Journal of Insect Science, 2009, 9, 1-6.	1.5	23
69	Prospective evaluation of the biological control of vine mealybug: refuge effects and climate. Journal of Applied Ecology, 2008, 45, 524-536.	4.0	79
70	Psyttalia lounsburyi (Hymenoptera: Braconidae), potential biological control agent for the olive fruit fly in California. Biological Control, 2008, 44, 79-89.	3.0	48
71	Vineyard managers and researchers seek sustainable solutions for mealybugs, a changing pest complex. California Agriculture, 2008, 62, 167-176.	0.8	72
72	Susceptibility of the filbertworm (Cydia latiferreana, Lepidoptera: Tortricidae) and filbert weevil (Curculio occidentalis, Coleoptera: Curculionidae) to entomopathogenic nematodes. Journal of Invertebrate Pathology, 2007, 96, 93-96.	3.2	16

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73	Relationship between rust mitesCalepitrimerus vitis(Nalepa), bud mitesColomerus vitis(Pagenstecher) (Acari: Eriophyidae) and short shootsyndrome in Oregon vineyards. International Journal of Acarology, 2007, 33, 307-318.	0.7	37
74	Pheromone-Based Mating Disruption of <I>Planococcus ficus</I> (Hemiptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (	1.8	49
75	Pheromone-Based Mating Disruption of Planococcus ficus (Hemiptera: Pseudococcidae) in California Vineyards. Journal of Economic Entomology, 2006, 99, 1280-1290.	1.8	97
76	New controls investigated for vine mealybug. California Agriculture, 2006, 60, 31-38.	0.8	88
77	Monitoring Planococcus ficus in South African vineyards with sex pheromone-baited traps. Crop Protection, 2004, 23, 1089-1096.	2.1	93
78	Temperature-dependent development of Anagyrus pseudococci (Hymenoptera: Encyrtidae) as a parasitoid of the vine mealybug, Planococcus ficus (Homoptera: Pseudococcidae). Biological Control, 2004, 31, 123-132.	3.0	69