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	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
2	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
3	Temperature-Related Development and Population Parameters forDrosophila suzukii(Diptera:) Tj ETQq1 1 0.784314 rgBT /Ove	1.4	301
4	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
5	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
6	Seasonal cues induce phenotypic plasticity of Drosophila suzukii to enhance winter survival. BMC Ecology, 2016, 16, 11.	3.0	155
7	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
8	Genome of Drosophila suzukii, the Spotted Wing Drosophila. G3: Genes, Genomes, Genetics, 2013, 3, 2257-2271.	1.8	126
9	Integrating Temperature-Dependent Life Table Data into a Matrix Projection Model for Drosophila suzukii Population Estimation. PLoS ONE, 2014, 9, e106909.	2.5	124
10	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
11	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
12	Host stage preference, efficacy and fecundity of parasitoids attacking Drosophila suzukii in newly invaded areas. Biological Control, 2015, 84, 28-35.	3.0	111
13	Factors affecting flight capacity of brown marmorated stink bug, Halyomorpha halys (Hemiptera:) Tj ETQq1 1 0.784314 rgBT /Overlo	3.7	107
14	Biological Control of Spotted-Wing Drosophila (Diptera: Drosophilidae)â€"Current and Pending Tactics. Journal of Integrated Pest Management, 2019, 10, .	2.0	105
15	Biology and Management of Mealybugs in Vineyards. , 2012, , 271-307.		103
16	Pheromone-Based Mating Disruption of Planococcus ficus (Hemiptera: Pseudococcidae) in California Vineyards. Journal of Economic Entomology, 2006, 99, 1280-1290.	1.8	97
17	Population dynamics and ecology of Drosophila suzukii in Central California. Journal of Pest Science, 2016, 89, 701-712.	3.7	96
18	Monitoring Planococcus ficus in South African vineyards with sex pheromone-baited traps. Crop Protection, 2004, 23, 1089-1096.	2.1	93

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19	Drosophila suzukii population response to environment and management strategies. Journal of Pest Science, 2016, 89, 653-665.	3.7	90
20	New controls investigated for vine mealybug. California Agriculture, 2006, 60, 31-38.	0.8	88
21	Trap Designs for Monitoring <I>Drosophila suzukii</I> (Diptera: Drosophilidae). Environmental Entomology, 2013, 42, 1348-1355.	1.4	85
22	Prospective evaluation of the biological control of vine mealybug: refuge effects and climate. Journal of Applied Ecology, 2008, 45, 524-536.	4.0	79
23	Large-scale spatial dynamics of Drosophila suzukii in Trentino, Italy. Journal of Pest Science, 2018, 91, 1213-1224.	3.7	78
24	Characterization and manipulation of fruit susceptibility to Drosophila suzukii. Journal of Pest Science, 2016, 89, 771-780.	3.7	75
25	Vineyard managers and researchers seek sustainable solutions for mealybugs, a changing pest complex. California Agriculture, 2008, 62, 167-176.	0.8	72
26	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
27	Impact of floral feeding on adult Drosophila suzukii survival and nutrient status. Journal of Pest Science, 2016, 89, 793-802.	3.7	56
28	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
29	Pheromone-Based Mating Disruption of <I>Planococcus ficus</I> (Hemiptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	1.8	49
30	Psyttalia lounsburyi (Hymenoptera: Braconidae), potential biological control agent for the olive fruit fly in California. Biological Control, 2008, 44, 79-89.	3.0	48
31	Drosophila suzukii (Diptera: Drosophilidae) Contributes to the Development of Sour Rot in Grape. Journal of Economic Entomology, 2018, 111, 283-292.	1.8	48
32	Development of a Multiplex PCR for Identification of Vineyard Mealybugs. Environmental Entomology, 2011, 40, 1595-1603.	1.4	41
33	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
34	Seasonal Reproductive Biology of Drosophila suzukii (Diptera: Drosophilidae) in Temperate Climates. Environmental Entomology, 2018, 47, 166-174.	1.4	41
35	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
36	Interactions Between Biotic and Abiotic Factors Affect Survival in OverwinteringDrosophila suzukii(Diptera: Drosophilidae). Environmental Entomology, 2019, 48, 454-464.	1.4	36

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37	Thermal Performance of Two Indigenous Pupal Parasitoids Attacking the Invasive Drosophila suzukii (Diptera: Drosophilidae). Environmental Entomology, 2018, 47, 764-772.	1.4	35
38	Optimized timing of parasitoid release: a mathematical model for biological control of Drosophila suzukii. Theoretical Ecology, 2018, 11, 489-501.	1.0	32
39	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
40	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
41	Cultural Control of Drosophila suzukii in Small Fruitâ€"Current and Pending Tactics in the U.S.. Insects, 2021, 12, 172.	2.2	30
42	Spatial Associations of Vines Infected With Grapevine Red Blotch Virus in Oregon Vineyards. Plant Disease, 2019, 103, 1507-1514.	1.4	29
43	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
44	Characterizing Damage of Brown Marmorated Stink Bug (Hemiptera: Pentatomidae) in Blueberries. Journal of Economic Entomology, 2015, 108, 1156-1163.	1.8	28
45	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
46	Drosophila suzukii daily dispersal between distinctly different habitats. Entomologia Generalis, 2020, 40, 25-37.	3.1	25
47	Intraspecific Competition Affects the Pupation Behavior of Spotted-Wing Drosophila (Drosophila) Tj ETQq1 1 0.784314 rgBT /Overloc	3.3	24
48	Pruning of small fruit crops can affect habitat suitability for Drosophila suzukii. Agriculture, Ecosystems and Environment, 2020, 294, 106860.	5.3	24
49	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
50	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
51	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
52	Interactions among morphotype, nutrition, and temperature impact fitness of an invasive fly. Ecology and Evolution, 2019, 9, 2615-2628.	1.9	23
53	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
54	Mulching as a cultural control strategy for Drosophila suzukii in blueberry. Pest Management Science, 2020, 76, 55-66.	3.4	22

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55	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
56	Water-Deprived Parasitic Wasps (Pachycrepoideus vindemmiae) Kill More Pupae of a Pest (Drosophila) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.3	21
57	Control of Overwintering Filbertworm (Lepidoptera: Tortricidae) Larvae With <I>Steinernema carpocapsae</I>. Journal of Economic Entomology, 2010, 103, 416-422.	1.8	20
58	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
59	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
60	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
61	Temperature-related development and population parameters for Typhlodromus pyri (Acari:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	1.6	14
62	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
63	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
64	Development of a Mating Disruption Program for a Mealybug, Planococcus ficus, in Vineyards. Insects, 2020, 11, 635.	2.2	14
65	Lethal and sub-lethal effects of low-temperature exposures on Halyomorpha halys (Hemiptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.3	13
66	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
67	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
68	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
69	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
70	Liquid Baits with Oenococcus oeni Increase Captures of Drosophila suzukii. Insects, 2021, 12, 66.	2.2	7
71	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
72	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

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73	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
74	Comparative Insecticide Application Techniques (Micro-Sprinkler) Against Drosophila suzukii Matsumura (Diptera: Drosophilidae) in Highbush Blueberry. Environmental Entomology, 2022, 51, 413-420.	1.4	1
75	Title is missing!. , 2019, 14, e0218301.		0
76	Title is missing!. , 2019, 14, e0218301.		0
77	Title is missing!. , 2019, 14, e0218301.		0
78	Title is missing!. , 2019, 14, e0218301.		0