Thomas Davis

List of Publications by Year
in descending order

49 papers	1,697 citations	471509 17 h-index	302126 39 g-index
49 all docs	49 docs citations	49 times ranked	2102 citing authors

#	Article	IF	Citations
1	Microbial Volatile Emissions as Insect Semiochemicals. Journal of Chemical Ecology, 2013, 39, 840-859.	1.8	386
2	Insect-Borne Plant Pathogens and Their Vectors: Ecology, Evolution, and Complex Interactions. Annual Review of Entomology, 2018, 63, 169-191.	11.8	237
3	Environmentally dependent hostâ€“pathogen and vectorâ€“pathogen interactions in the Barley yellow dwarf virus pathosystem. Journal of Applied Ecology, 2015, 52, 1392-1401.	4.0	78
4	Disentangling Changes in the Spectral Shape of Chlorophyll Fluorescence: Implications for Remote Sensing of Photosynthesis. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 1491-1507.	3.0	73
5	Interactions Between the Yeast Ogataea pini and Filamentous Fungi Associated with the Western Pine Beetle. Microbial Ecology, 2011, 61, 626-634.	2.8	70
6	The Ecology of Yeasts in the Bark Beetle Holobiont: A Century of Research Revisited. Microbial Ecology, 2015, 69, 723-732.	2.8	66
7	Spotted Wing Drosophila,Drosophila suzukii(Diptera: Drosophilidae), Trapped with Combinations of Wines and Vinegars. Florida Entomologist, 2012, 95, 326-332.	0.5	63
8	Symbiotic Associations of Bark Beetles. , 2015, , 209-245.		62
9	A Survey of Insect Assemblages Responding to Volatiles from a Ubiquitous Fungus in an Agricultural Landscape. Journal of Chemical Ecology, 2013, 39, 860-868.	1.8	56
10	Experimental Infection of Plants with an Herbivore-Associated Bacterial Endosymbiont Influences Herbivore Host Selection Behavior. PLoS ONE, 2012, 7, e49330.	2.5	55
11	Volatile Emissions from an Epiphytic Fungus are Semiochemicals for Eusocial Wasps. Microbial Ecology, 2012, 64, 1056-1063.	2.8	54
12	Modeling the Impacts of Two Bark Beetle Species Under a Warming Climate in the Southwestern USA: Ecological and Economic Consequences. Environmental Management, 2009, 44, 824-835.	2.7	46
13	The effect of natural disturbances on forest biodiversity: an ecological synthesis. Biological Reviews, 2022, 97, 1930-1947.	10.4	40
14	Aphid behavioral responses to virusâ€infected plants are similar despite divergent fitness effects. Entomologia Experimentalis Et Applicata, 2014, 153, 246-255.	1.4	35
15	Engelmann Spruce Chemotypes in Colorado and their Effects on Symbiotic Fungi Associated with the North American Spruce Beetle. Journal of Chemical Ecology, 2018, 44, 601-610.	1.8	34
16	Evidence for multiple ecological roles of Leptographium abietinum, a symbiotic fungus associated with the North American spruce beetle. Fungal Ecology, 2019, 38, 62-70.	1.6	28
17	Effects of Gallery Density and Species Ratio on the Fitness and Fecundity of Two Sympatric Bark Beetles (Coleoptera: Curculionidae). Environmental Entomology, 2009, 38, 639-650.	1.4	27
18	Plant secondary chemistry mediates the performance of a nutritional symbiont associated with a treeâ€killing herbivore. Ecology, 2012, 93, 421-429.	3.2	27

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19	Reciprocal interactions between the bark beetle-associated yeast Ogataea pini and host plant phytochemistry. Mycologia, 2011, 103, 1201-1207.	1.9	18
20	Entomopathogenic fungi to control bark beetles: a review of ecological recommendations. Pest Management Science, 2021, 77, 3841-3846.	3.4	18
21	The Effects ofBean Leafroll Viruson Life History Traits and Host Selection Behavior of Specialized Pea Aphid (Acyrthosiphon pisum, Hemiptera: Aphididae) Genotypes. Environmental Entomology, 2017, 46, nvw150.	1.4	17
22	Evidence for additive effects of virus infection and water availability on phytohormone induction in a staple crop. Frontiers in Ecology and Evolution, 2015, 3, .	2.2	16
23	Bark beetle outbreak enhances biodiversity and foraging habitat of native bees in alpine landscapes of the southern Rocky Mountains. Scientific Reports, 2020, 10, 16400.	3.3	15
24	Plant Water Stress Affects Interactions Between an Invasive and a Naturalized Aphid Species on Cereal Crops. Environmental Entomology, 2017, 46, 609-616.	1.4	14
25	Differing contributions of density dependence and climate to the population dynamics of three eruptive herbivores. Ecological Entomology, 2014, 39, 566-577.	2.2	13
26	Plant secondary metabolites and low temperature are the major limiting factors for Beauveria bassiana (Bals.-Criv.) Vuill. (Ascomycota: Hypocreales) growth and virulence in a bark beetle system. Biological Control, 2020, 141, 104130.	3.0	13
27	Allometry of Phloem Thickness and Resin Flow and Their Relation to Tree Chemotype in a Southwestern Ponderosa Pine Forest. Forest Science, 2014, 60, 270-274.	1.0	12
28	Laboratory and Field Evaluation of the Entomopathogenic Fungus Beauveria bassiana (Deuteromycotina: Hyphomycetes) for Population Management of Spruce Beetle, Dendroctonus rufipennis (Coleoptera: Scolytinae), in Felled Trees and Factors Limiting Pathogen Success. Environmental Entomology, 2018, 47, 594-602.	1.4	12
29	Livestock grazing is associated with seasonal reduction in pollinator biodiversity and functional dispersion but cheatgrass invasion is not: Variation in bee assemblages in a multi-use shortgrass prairie. PLoS ONE, 2020, 15, e0237484.	2.5	12
30	Precipitation change accentuates or reverses temperature effects on aphid dispersal. Ecological Applications, 2022, , e2593.	3.8	10
31	A test of fruit varieties on entry rate and development by neonate larvae of the codling moth, <scp>C</scp>ydia pomonella. Entomologia Experimentalis Et Applicata, 2013, 148, 259-266.	1.4	9
32	Hostâ€adapted aphid populations differ in their migratory patterns and capacity to colonize crops. Journal of Applied Ecology, 2016, 53, 1382-1390.	4.0	9
33	Interspecific variation in spruce constitutive and induced defenses in response to a bark beetleâ€“fungal symbiont provides insight into traits associated with resistance. Tree Physiology, 2021, 41, 1109-1121.	3.1	8
34	Complex life histories predispose aphids to recent abundance declines. Global Change Biology, 2021, 27, 4283-4293.	9.5	8
35	Body size phenotypes are heritable and mediate fecundity but not fitness in the lepidopteran frugivore Cydia pomonella. Die Naturwissenschaften, 2012, 99, 483-491.	1.6	7
36	Host Settling Behavior, Reproductive Performance, and Effects on Plant Growth of an Exotic Cereal Aphid,Metopolophium festucaesubsp.cerealium(Hemiptera: Aphididae). Environmental Entomology, 2014, 43, 682-688.	1.4	7

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37	Effects of Site Thermal Variation and Physiography on Flight Synchrony and Phenology of the North American Spruce Beetle (Coleoptera: Curculionidae, Scolytinae) and Associated Species in Colorado. Environmental Entomology, 2019, 48, 998-1011.	1.4	7
38	Monitoring resistance and resilience using carbon trajectories: Analysis of forest managementâ€“disturbance interactions. Ecological Applications, 2022, 32, .	3.8	7
39	Oleoresin Chemistry Mediates Oviposition Behavior and Fecundity of a Tree-Killing Bark Beetle. Journal of Chemical Ecology, 2011, 37, 1177-1183.	1.8	5
40	Effects of Seasonality, Forest Structure, and Understory Plant Richness on Bee Community Assemblage in a Southern Rocky Mountain Mixed Conifer Forest. Annals of the Entomological Society of America, 0, , .	2.5	5
41	Probability of occurrence and phenology of pine wilt disease transmission by insect vectors in the Rocky Mountains. Ecological Solutions and Evidence, 2021, 2, e12044.	2.0	5
42	Toxicity of two Engelmann spruce (Pinaceae) monoterpene chemotypes from the southern Rocky Mountains to North American spruce beetle (Coleoptera: Scolytidae). Canadian Entomologist, 2020, 152, 790-796.	0.8	3
43	Responses of Engelmann spruce to inoculation with Leptographium abietinum, a symbiotic fungus of the North American spruce beetle. Canadian Journal of Forest Research, 2020, 50, 465-472.	1.7	3
44	Chickpea variety and phenology affect acquisition ofPea enation mosaic virus, subsequent plant injury and aphid vector performance. Annals of Applied Biology, 2015, 167, 420-425.	2.5	2
45	Canopy cover and seasonality are associated with variation in native bee assemblages across a mixed pineâ€juniper woodland. Agricultural and Forest Entomology, 0, , .	1.3	2
46	An ordinal day model of spruce beetle trap capture phenology in northern Colorado. Journal of Applied Entomology, 2018, 142, 277-281.	1.8	1
47	Climate change alters host tree physiology and drives plant-insect interactions in forests of the southwestern United States of America. , 2022, , 133-152.		1
48	A metaâ€analysis of the effects of habitat aridity, evolutionary history of grazing and grazing intensity on bee and butterfly communities worldwide. Ecological Solutions and Evidence, 2022, 3, .	2.0	1
49	Factors Associated with Establishment and Growth of Pinus coulteri and Pinus sabiniana in Californiaâ€™s Central Coast Bioregion. Forest Science, 2019, 65, 703-713.	1.0	0