Steven D Frank

List of Publications by Year
in descending order

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65 papers	2,591 citations	201575 27 h-index	206029 48 g-index
65 all docs	65 docs citations	65 times ranked	2389 citing authors

#	Article	IF	Citations
1	Biological control of arthropod pests using banker plant systems: Past progress and future directions. Biological Control, 2010, 52, 8-16.	1.4	211
2	Genotypically diverse cultivar mixtures for insect pest management and increased crop yields. Journal of Applied Ecology, 2012, 49, 974-985.	1.9	206
3	Urban Warming Drives Insect Pest Abundance on Street Trees. PLoS ONE, 2013, 8, e59687.	1.1	166
4	Physiological thermal limits predict differential responses of bees to urban heat-island effects. Biology Letters, 2017, 13, 20170125.	1.0	128
5	Do cities simulate climate change? A comparison of herbivore response to urban and global warming. Global Change Biology, 2015, 21, 97-105.	4.2	120
6	Warming and drought combine to increase pest insect fitness on urban trees. PLoS ONE, 2017, 12, e0173844.	1.1	111
7	Urban warming trumps natural enemy regulation of herbivorous pests. Ecological Applications, 2014, 24, 1596-1607.	1.8	109
8	Wild bee abundance declines with urban warming, regardless of floral density. Urban Ecosystems, 2018, 21, 419-428.	1.1	99
9	Non-Native Ambrosia Beetles as Opportunistic Exploiters of Living but Weakened Trees. PLoS ONE, 2015, 10, e0131496.	1.1	82
10	Early pest development and loss of biological control are associated with urban warming. Biology Letters, 2014, 10, 20140586.	1.0	81
11	The Effects of Urban Warming on Herbivore Abundance and Street Tree Condition. PLoS ONE, 2014, 9, e102996.	1.1	78
12	Urbanization Increases Pathogen Pressure on Feral and Managed Honey Bees. PLoS ONE, 2015, 10, e0142031.	1.1	70
13	Responses of arthropod populations to warming depend on latitude: evidence from urban heat islands. Global Change Biology, 2017, 23, 1436-1447.	4.2	64
14	Getting ahead of the curve: cities as surrogates for global change. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20180643.	1.2	60
15	Urban plants and climate drive unique arthropod interactions with unpredictable consequences. Current Opinion in Insect Science, 2018, 29, 27-33.	2.2	58
16	Reducing Insecticide Volume and Nontarget Effects of Ambrosia Beetle Management in Nurseries. Journal of Economic Entomology, 2011, 104, 1960-1968.	0.8	57
17	Urban warming reduces aboveground carbon storage. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161574.	1.2	57
18	Water availability drives urban tree growth responses to herbivory and warming. Journal of Applied Ecology, 2018, 55, 1701-1713.	1.9	53

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19	Pollen increases fitness and abundance of Orius insidiosus Say (Heteroptera: Anthocoridae) on banker plants. Biological Control, 2013, 64, 45-50.	1.4	50
20	Plant versus prey resources: Influence on omnivore behavior and herbivore suppression. Biological Control, 2011, 57, 229-235.	1.4	48
21	Ecological Interactions Affecting the Efficacy of Aphidius colemani in Greenhouse Crops. Insects, 2015, 6, 538-575.	1.0	41
22	Reduced cellular immune response in social insect lineages. Biology Letters, 2016, 12, 20150984.	1.0	39
23	Changes in spider community composition are associated with urban temperature, not herbivore abundance. Journal of Urban Ecology, 2017, 3, juw010.	0.6	34
24	Urban forest fragments buffer trees from warming and pests. Science of the Total Environment, 2019, 658, 1523-1530.	3.9	34
25	Effects of alternative food on cannibalism and herbivore suppression by carabid larvae. Ecological Entomology, 2010, 35, 61-68.	1.1	33
26	Impervious surface thresholds for urban tree site selection. Urban Forestry and Urban Greening, 2018, 34, 141-146.	2.3	31
27	Interruption of the Semiochemical-Based Attraction of Ambrosia Beetles to Ethanol-Baited Traps and Ethanol-Injected Trap Trees by Verbenone. Environmental Entomology, 2013, 42, 539-547.	0.7	30
28	Reduced Risk Insecticides to Control Scale Insects and Protect Natural Enemies in the Production and Maintenance of Urban Landscape Plants. Environmental Entomology, 2012, 41, 377-386.	0.7	26
29	Higher immunocompetence is associated with higher genetic diversity in feral honey bee colonies (Apis) Tj ETQq1 1 0.784314 rgBT /Ove	0.8	25
30	Influence of banker plants and spiders on biological control by Orius insidiosus (Heteroptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302	1.4	24
31	Can Cities Activate Sleeper Species and Predict Future Forest Pests? A Case Study of Scale Insects. Insects, 2020, 11, 142.	1.0	24
32	Urban tree pests and natural enemies respond to habitat at different spatial scales. Journal of Urban Ecology, 2019, 5, .	0.6	22
33	Variation in photosynthesis and stomatal conductance among red maple (Acer rubrum) urban planted cultivars and wildtype trees in the southeastern United States. PLoS ONE, 2018, 13, e0197866.	1.1	19
34	Flood Stress as a Technique to Assess Preventive Insecticide and Fungicide Treatments for Protecting Trees against Ambrosia Beetles. Insects, 2016, 7, 40.	1.0	18
35	Exotic urban trees conserve similar natural enemy communities to native congeners but have fewer pests. PeerJ, 2019, 7, e6531.	0.9	18
36	Urbanization drives unique latitudinal patterns of insect herbivory and tree condition. Oikos, 2019, 128, 984-993.	1.2	17

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37	Within-Colony Variation in the Immunocompetency of Managed and Feral Honey Bees (Apis mellifera L.) in Different Urban Landscapes. Insects, 2015, 6, 912-925.	1.0	16
38	Effects of native and exotic congeners on diversity of invertebrate natural enemies, available spider biomass, and pest control services in residential landscapes. Biodiversity and Conservation, 2020, 29, 1241-1262.	1.2	16
39	Risk of bird predation and defoliating insect abundance are greater in urban forest fragments than street trees. Urban Ecosystems, 2020, 23, 519-531.	1.1	16
40	Water availability influences arthropod water demand, hydration and community composition on urban trees. Journal of Urban Ecology, 2018, 4, .	0.6	15
41	Variation in arthropod hydration across US cities with distinct climate. Journal of Urban Ecology, 2017, 3, .	0.6	14
42	Effects of temperature and habitat complexity on an urban tree pest (Tinocallis kahawaluokalani), natural enemies, and predation services in the city. Urban Ecosystems, 2020, 23, 13-26.	1.1	13
43	Tritrophic effects of plant growth regulators in an aphid-parasitoid system. Biological Control, 2013, 66, 72-76.	1.4	12
44	Bad neighbors: urban habitats increase cankerworm damage to non-host understory plants. Urban Ecosystems, 2014, 17, 1135-1145.	1.1	12
45	Homogenizing an urban habitat mosaic: arthropod diversity declines in New York City parks after Super Storm Sandy. Ecological Applications, 2018, 28, 225-236.	1.8	12
46	Grain Diversity Effects on Banker Plant Growth and Parasitism by Aphidius colemani. Insects, 2015, 6, 772-791.	1.0	11
47	Optimal foraging by an aphid parasitoid affects the outcome of apparent competition. Ecological Entomology, 2014, 39, 236-244.	1.1	10
48	Review of the direct and indirect effects of warming and drought on scale insect pests of forest systems. Forestry, 2021, 94, 167-180.	1.2	10
49	Compact plants reduce biological control of Myzus persicae by Aphidius colemani. Biological Control, 2013, 65, 184-189.	1.4	9
50	The contribution of human foods to honey bee diets in a mid-sized metropolis. Journal of Urban Ecology, 2016, 2, juw001.	0.6	9
51	Life History of Parthenolecanium spp. (Hemiptera: Coccidae) in Urban Landscapes of the Southeastern United States. Journal of Economic Entomology, 2017, 110, 1668-1675.	0.8	9
52	Thermal Tolerance of Gloomy Scale (Hemiptera: Diaspididae) in the Eastern United States. Environmental Entomology, 2020, 49, 104-114.	0.7	9
53	Natural Enemy Communities and Biological Control of Parthenolecanium spp. (Hemiptera: Coccidae) in the Southeastern United States. Journal of Economic Entomology, 2018, 111, 1558-1568.	0.8	8
54	Chronology of Gloomy Scale (Hemiptera: Diaspididae) Infestations on Urban Trees. Environmental Entomology, 2019, 48, 1113-1120.	0.7	8

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55	Human health risks of invasive caterpillars increase with urban warming. Landscape Ecology, 2021, 36, 1475-1487.	1.9	7
56	Do leaf domatia mediate intraguild predation and host plant resistance to Oligonychus aceris (Shimer) on Red Sunset Maple (Acer rubrum)?. Biological Control, 2015, 90, 187-192.	1.4	6
57	Interaction of Insecticide and Media Moisture on Ambrosia Beetle (Coleoptera: Curculionidae) Attacks on Selected Ornamental Trees. Environmental Entomology, 2017, 46, 1390-1396.	0.7	6
58	Evaluation of an Easy-to-Install, Low-Cost Dendrometer Band for Citizen-Science Tree Research. Journal of Forestry, 2019, 117, 317-322.	0.5	6
59	Intraspecific variation in morphology, physiology, and ecology of wildtype relative to horticultural varieties of red maple (Acer rubrum). Trees - Structure and Function, 2020, 34, 603-614.	0.9	6
60	Gloomy Scale (Hemiptera: Diaspididae) Ecology and Management on Landscape Trees. Journal of Integrated Pest Management, 2020, 11, .	0.9	5
61	URBAN WARMING TRUMPS HERBIVORE ENEMIES. Bulletin of the Ecological Society of America, 2014, 95, 252-256.	0.2	2
62	Water Availability Determines Tree Growth and Physiological Response to Biotic and Abiotic Stress in a Temperate North American Urban Forest. Forests, 2022, 13, 1012.	0.9	1
63	INSECTICIDE MANAGEMENT OF EUONYMUS SCALE ON CONTAINERIZED PLANTS, 2009. Arthropod Management Tests, 2011, 36, .	0.1	0
64	Impact of Selected Insecticides Against European Pepper Moth Larvae Infesting Poinsettia, 2021. Arthropod Management Tests, 2021, 46, .	0.1	0
65	Impact of Selected Insecticides Against Brown Soft Scales Infesting Macho Ferns, 2021. Arthropod Management Tests, 2021, 46, .	0.1	0