

Sandy M Smith

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

59
papers

1,449
citations

18
h-index

37
g-index

61
ext. papers

1,706
ext. citations

3.2
avg. IF

4.79
L-index

#	Paper	IF	Citations
59	Biological control with Trichogramma: advances, successes, and potential of their use. <i>Annual Review of Entomology</i> , 1996 , 41, 375-406	21.8	503
58	Global distribution of earthworm diversity. <i>Science</i> , 2019 , 366, 480-485	33.3	113
57	The unseen invaders: introduced earthworms as drivers of change in plant communities in North American forests (a meta-analysis). <i>Global Change Biology</i> , 2017 , 23, 1065-1074	11.4	77
56	Insect community composition and trophic guild structure in decaying logs from eastern Canadian pine-dominated forests. <i>Forest Ecology and Management</i> , 2006 , 225, 190-199	3.9	75
55	An integrated model for snag and downed woody debris decay class transitions. <i>Forest Ecology and Management</i> , 2006 , 234, 48-59	3.9	59
54	Tree cover and species composition effects on academic performance of primary school students. <i>PLoS ONE</i> , 2018 , 13, e0193254	3.7	47
53	Patterns in the within-tree distribution of the emerald ash borer <i>Agrilus planipennis</i> (Fairmaire) in young, green-ash plantations of south-western Ontario, Canada. <i>Agricultural and Forest Entomology</i> , 2006 , 8, 313-321	1.9	44
52	Indirect and direct effects of exotic earthworms on soil nutrient and carbon pools in North American temperate forests. <i>Soil Biology and Biochemistry</i> , 2013 , 57, 459-467	7.5	42
51	A gall-inducing arthropod drives declines in canopy tree photosynthesis. <i>Oecologia</i> , 2011 , 167, 701-9	2.9	33
50	Edge effects and the responses of aerial insect assemblages to structural-retention harvesting in Canadian boreal peatland forests. <i>Forest Ecology and Management</i> , 2005 , 204, 249-266	3.9	32
49	Evidence of interaction between <i>Sirex noctilio</i> and other species inhabiting the bole of <i>Pinus</i> . <i>Agricultural and Forest Entomology</i> , 2012 , 14, 187-195	1.9	31
48	Is There a Positive Synergistic Effect of Biochar and Compost Soil Amendments on Plant Growth and Physiological Performance?. <i>Agronomy</i> , 2017 , 7, 13	3.6	28
47	Herbivory patterns in mature sugar maple: variation with vertical canopy strata and tree ontogeny. <i>Ecological Entomology</i> , 2010 , 35, 1-8	2.1	24
46	Estimating quantitative genetic parameters in haplodiploid organisms. <i>Heredity</i> , 2000 , 85 Pt 4, 373-82	3.6	23
45	Phenotypic differences between thelytokous and arrhenotokous <i>Trichogramma minutum</i> from <i>Zeiraphera canadensis</i> . <i>Entomologia Experimentalis Et Applicata</i> , 1996 , 78, 315-323	2.1	22
44	A comparison of forest structure among old-growth, variable retention harvested, and clearcut peatland black spruce (<i>Picea mariana</i>) forests in boreal northeastern Ontario. <i>Forestry Chronicle</i> , 2003 , 79, 579-589	1	22
43	Interactions between the fungal symbiont of <i>Sirex noctilio</i> (Hymenoptera: Siricidae) and two bark beetle-vectored fungi. <i>Canadian Entomologist</i> , 2011 , 143, 224-235	0.7	21

42	Long-Chain Omega-3 Polyunsaturated Fatty Acids Have Developmental Effects on the Crop Pest, the Cabbage White Butterfly <i>Pieris rapae</i> . <i>PLoS ONE</i> , 2016 , 11, e0152264	3.7	20
41	Exotic earthworm distribution in a mixed-use northern temperate forest region: influence of disturbance type, development age, and soils. <i>Canadian Journal of Forest Research</i> , 2012 , 42, 375-381	1.9	16
40	Seasonal occurrence and spatial distribution of resinosis, a symptom of <i>Sirex noctilio</i> (Hymenoptera: Siricidae) injury, on boles of <i>Pinus sylvestris</i> (Pinaceae). <i>Canadian Entomologist</i> , 2013 , 145, 117-122	0.7	14
39	Susceptibility of pine plantations to attack by the pine shoot beetle (<i>Tomicus piniperda</i>) in southern Ontario. <i>Canadian Journal of Forest Research</i> , 2004 , 34, 2528-2540	1.9	14
38	Impact of herbivory on performance of <i>Vincetoxicum</i> spp., invasive weeds in North America. <i>Biological Invasions</i> , 2011 , 13, 1229-1240	2.7	13
37	A history of biological control in Canadian forests, 1882-2014. <i>Canadian Entomologist</i> , 2016 , 148, S239-S269		13
36	Establishment and dominance of an introduced herbivore has limited impact on native host-parasitoid food webs. <i>Biological Invasions</i> , 2012 , 14, 229-244	2.7	12
35	High temperature induces downregulation of polydnavirus gene transcription in lepidopteran host and enhances accumulation of host immunity gene transcripts. <i>Journal of Insect Physiology</i> , 2017 , 98, 126-133	2.4	10
34	Observations on the life-history traits of the North American parasitoid <i>Phasgonophora sulcata</i> Westwood (Hymenoptera: Chalcididae) attacking <i>Agrilus planipennis</i> (Coleoptera: Buprestidae) in Ontario, Canada. <i>Canadian Entomologist</i> , 2016 , 148, 294-306	0.7	10
33	Seasonal Parasitism and Host Instar Preference by the Spruce Budworm (Lepidoptera: Tortricidae) Larval Parasitoid <i>Tranosema rostrale</i> (Hymenoptera: Ichneumonidae). <i>Environmental Entomology</i> , 2016 , 45, 1123-1130	2.1	9
32	Developmental and reproductive responses of the spruce budworm (Lepidoptera: Tortricidae) parasitoid <i>Tranosema rostrale</i> (Hymenoptera: Ichneumonidae) to temperature. <i>Journal of Insect Physiology</i> , 2017 , 98, 38-46	2.4	9
31	Predation and overwintering mortality of the white pine weevil, <i>Pissodes strobi</i> , in planted and seeded jack pine. <i>Canadian Journal of Forest Research</i> , 1994 , 24, 1426-1433	1.9	8
30	Establishment of <i>Hypena opulenta</i> (Lepidoptera: Erebidae) on <i>Vincetoxicum rossicum</i> in Ontario, Canada. <i>Biocontrol Science and Technology</i> , 2019 , 29, 917-923	1.7	7
29	Influence of Nematode Parasitism, Body Size, Temperature, and Diel Period on the Flight Capacity of <i>Sirex noctilio</i> F. (Hymenoptera: Siricidae). <i>Journal of Insect Behavior</i> , 2016 , 29, 301-314	1.1	7
28	Long-term snag and downed woody debris dynamics under periodic surface fire, fire suppression, and shelterwood management. <i>Canadian Journal of Forest Research</i> , 2009 , 39, 1709-1721	1.9	7
27	Short-term Effects of Harvest Technique and Mechanical Site Preparation on Arthropod Communities in Jack Pine Plantations. <i>Journal of Insect Conservation</i> , 2001 , 5, 187-196	2.1	7
26	Effects of gypsy moth establishment and dominance in native caterpillar communities of northern oak forests. <i>Canadian Entomologist</i> , 2011 , 143, 479-503	0.7	6
25	Influence of reforestation technique, slash, competing vegetation, and duff depth on the overwintering mortality of <i>Pissodes strobi</i> (Coleoptera: Curculionidae), the white pine weevil. <i>Forest Ecology and Management</i> , 1995 , 78, 1-10	3.9	6

24	Response of saproxylic insect communities to logging history, tree species, stage of decay, and wood posture in the central Nearctic boreal forest. <i>Journal of Forestry Research</i> , 2018 , 29, 1365-1377	2	5
23	Courtship sequence and evidence of volatile pheromones in <i>Phasgonophora sulcata</i> (Hymenoptera: Chalcididae), a North American parasitoid of the invasive <i>Agrilus planipennis</i> (Coleoptera: Buprestidae). <i>Canadian Entomologist</i> , 2016 , 148, 151-162	0.7	5
22	Convergence in Arthropod Assemblages with Various Restoration Approaches for Canadian Deciduous Forests. <i>Journal of Insect Conservation</i> , 2003 , 7, 99-109	2.1	5
21	Establishment of the biological control agent <i>Aphalara itadori</i> is limited by native predators and foliage age. <i>Journal of Applied Entomology</i> , 2020 , 144, 710-718	1.7	5
20	Reproductive Biology and Behavior of <i>Tranosema rostrale</i> (Hymenoptera: Ichneumonidae), a Parasitoid of Low-Density Spruce Budworm (Lepidoptera: Tortricidae) Populations. <i>Journal of Insect Behavior</i> , 2016 , 29, 500-514	1.1	5
19	Does variable stand structure associated with multi-cohort forests support diversity of ground beetle (Coleoptera, Carabidae) communities in the central Nearctic boreal forest?. <i>Journal of Forestry Research</i> , 2016 , 27, 1191-1202	2	4
18	Spruce Budworm (<i>Choristoneura fumiferana</i> Clem.) Defoliation Promotes Vertical Fuel Continuity in Ontario's Boreal Mixedwood Forest. <i>Forests</i> , 2018 , 9, 256	2.8	4
17	Factors influencing the dispersal of a native parasitoid, <i>Phasgonophora sulcata</i> , attacking the emerald ash borer: implications for biological control. <i>BioControl</i> , 2018 , 63, 751-761	2.3	4
16	Global data on earthworm abundance, biomass, diversity and corresponding environmental properties. <i>Scientific Data</i> , 2021 , 8, 136	8.2	4
15	Exotic earthworm (Oligochaeta: Lumbricidae) assemblages on a landscape scale in central Canadian woodlands: importance of region and vegetation type. <i>Canadian Journal of Forest Research</i> , 2017 , 47, 935-945	1.9	3
14	The life history of a gall-inducing mite: summer phenology, predation and influence of gall morphology in a sugar maple canopy. <i>Agricultural and Forest Entomology</i> , 2012 , 14, 251-259	1.9	3
13	Effects of single-tree selection harvesting on hymenopteran and saproxylic insect assemblages in the canopy and understory of northern temperate forests. <i>Journal of Forestry Research</i> , 2012 , 23, 275-284	2.4	3
12	Multi-cohort stand structure in boreal forests of northeastern Ontario: Relationships with forest age, disturbance history, and deadwood features. <i>Forestry Chronicle</i> , 2013 , 89, 290-303	1	3
11	The Effects of Photoperiod on Diapause Induction in <i>Hypena opulenta</i> (Lepidoptera: Erebididae), a Biological Control Agent Against Invasive Swallow-Worts in North America. <i>Environmental Entomology</i> , 2020 , 49, 580-585	2.1	2
10	Augmentation of native North American natural enemies for the biological control of the introduced emerald ash borer in central Canada. <i>BioControl</i> , 2020 , 65, 71-79	2.3	2
9	An experimental application of <i>Hypena opulenta</i> as a biocontrol agent for the invasive vine <i>Vincetoxicum rossicum</i> . <i>Ecological Solutions and Evidence</i> , 2020 , 1, e12022	2.1	2
8	The Use of UAS to Release the Egg Parasitoid <i>Trichogramma</i> spp. (Hymenoptera: Trichogrammatidae) Against an Agricultural and a Forest Pest in Canada. <i>Journal of Economic Entomology</i> , 2021 , 114, 1867-1881	2.2	2
7	Reproductive life-history traits of the classical biological control agent <i>Hypena opulenta</i> (Lepidoptera: Erebididae): Using agent biology to support post release monitoring and establishment. <i>Biological Control</i> , 2019 , 135, 95-101	3.8	1

6	The distribution of a host-specific canopy parasite is linked with local species diversity in a northern temperate forest. <i>Journal of Vegetation Science</i> , 2014 , 25, 1015-1023	3.1	1
5	Mortality of the white pine weevil associated with silvicultural practices in jack pine plantations. <i>Forestry Chronicle</i> , 1996 , 72, 388-392	1	1
4	Stand breakdown and surface fuel accumulation due to spruce budworm (<i>Choristoneura fumiferana</i>) defoliation in the boreal mixedwood forest of central Canada. <i>Canadian Journal of Forest Research</i> , 2020 , 50, 533-541	1.9	1
3	Fungal endophytes increase biomass production in pale swallow-wort (<i>Vincetoxicum rossicum</i> (Kleopow) Barbar.). <i>Botany</i> , 2021 , 99, 337-353	1.3	0
2	Evaluating methods to detect and monitor North American larval parasitoids of the emerald ash borer (Coleoptera: Buprestidae). <i>Canadian Entomologist</i> , 2020 , 152, 389-398	0.7	
1	A management strategy for emerald ash borer in St. Lawrence Islands National Park. <i>Forestry Chronicle</i> , 2012 , 88, 124-130	1	