

# Sandy M Smith

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7980797/publications.pdf>

Version: 2024-02-01

61  
papers

1,984  
citations

394390

19  
h-index

254170

43  
g-index

61  
all docs

61  
docs citations

61  
times ranked

2298  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biological Control with Trichogramma: Advances, Successes, and Potential of Their Use. Annual Review of Entomology, 1996, 41, 375-406.	11.8	624
2	Global distribution of earthworm diversity. Science, 2019, 366, 480-485.	12.6	248
3	The unseen invaders: introduced earthworms as drivers of change in plant communities in North American forests (a meta-analysis). Global Change Biology, 2017, 23, 1065-1074.	9.5	107
4	Insect community composition and trophic guild structure in decaying logs from eastern Canadian pine-dominated forests. Forest Ecology and Management, 2006, 225, 190-199.	3.2	90
5	An integrated model for snag and downed woody debris decay class transitions. Forest Ecology and Management, 2006, 234, 48-59.	3.2	79
6	Tree cover and species composition effects on academic performance of primary school students. PLoS ONE, 2018, 13, e0193254.	2.5	67
7	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. Agricultural and Forest Entomology, 2006, 8, 313-321.	1.3	52
8	Is There a Positive Synergistic Effect of Biochar and Compost Soil Amendments on Plant Growth and Physiological Performance?. Agronomy, 2017, 7, 13.	3.0	50
9	Indirect and direct effects of exotic earthworms on soil nutrient and carbon pools in North American temperate forests. Soil Biology and Biochemistry, 2013, 57, 459-467.	8.8	45
10	A gall-inducing arthropod drives declines in canopy tree photosynthesis. Oecologia, 2011, 167, 701-709.	2.0	37
11	Evidence of interaction between <i>Sirex noctilio</i> and other species inhabiting the bole of <i>Pinus</i> . Agricultural and Forest Entomology, 2012, 14, 187-195.	1.3	37
12	Edge effects and the responses of aerial insect assemblages to structural-retention harvesting in Canadian boreal peatland forests. Forest Ecology and Management, 2005, 204, 249-266.	3.2	34
13	Global data on earthworm abundance, biomass, diversity and corresponding environmental properties. Scientific Data, 2021, 8, 136.	5.3	29
14	Herbivory patterns in mature sugar maple: variation with vertical canopy strata and tree ontogeny. Ecological Entomology, 2010, 35, 1-8.	2.2	27
15	Phenotypic differences between thelytokous and arrhenotokous <i>Trichogramma minutum</i> from <i>Zeiraphera canadensis</i> . Entomologia Experimentalis Et Applicata, 1996, 78, 315-323.	1.4	26
16	Estimating quantitative genetic parameters in haplodiploid organisms. Heredity, 2000, 85, 373-382.	2.6	26
17	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. Forestry Chronicle, 2003, 79, 579-589.	0.6	26
18	Interactions between the fungal symbiont of <i>Sirex noctilio</i> (Hymenoptera: Siricidae) and two bark beetle-vectored fungi. Canadian Entomologist, 2011, 143, 224-235.	0.8	23

#	ARTICLE	IF	CITATIONS
19	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.	2.5	23
20	A history of biological control in Canadian forests, 1882–2014. <i>Canadian Entomologist</i> , 2016, 148, S239-S269.	0.8	20
21	Impact of herbivory on performance of <i>Vincetoxicum</i> spp., invasive weeds in North America. <i>Biological Invasions</i> , 2011, 13, 1229-1240.	2.4	16
22	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.	1.7	16
23	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.	0.8	16
24	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.	1.7	15
25	The Use of UAS to Release the Egg Parasitoid <i>Trichogramma</i> spp. (Hymenoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5050 Entomology, 2021, 114, 1867-1881.	1.8	15
26	Establishment and dominance of an introduced herbivore has limited impact on native host-parasitoid food webs. <i>Biological Invasions</i> , 2012, 14, 229-244.	2.4	14
27	Observations on the life-history traits of the North American parasitoid <i>Phasgonophora sulcata</i> Westwood (Hymenoptera: Chalcididae) attacking <i>Agrilus planipennis</i> (Coleoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5050	1.8	14
28	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.	2.0	14
29	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.	2.0	13
30	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.	1.8	13
31	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.	1.3	12
32	Effects of gypsy moth establishment and dominance in native caterpillar communities of northern oak forests. <i>Canadian Entomologist</i> , 2011, 143, 479-503.	0.8	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.	1.4	10
34	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.	1.7	9
35	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.	0.7	9
36	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.	2.0	9

#	ARTICLE	IF	CITATIONS
37	Title is missing!. Journal of Insect Conservation, 2001, 5, 187-196.	1.4	8
38	Response of saproxylic insect communities to logging history, tree species, stage of decay, and wood posture in the central Nearctic boreal forest. Journal of Forestry Research, 2018, 29, 1365-1377.	3.6	8
39	Title is missing!. Journal of Insect Conservation, 2003, 7, 99-109.	1.4	7
40	Long-term snag and downed woody debris dynamics under periodic surface fire, fire suppression, and shelterwood management. Canadian Journal of Forest Research, 2009, 39, 1709-1721.	1.7	7
41	The life history of a gall-inducing mite: summer phenology, predation and influence of gall morphology in a sugar maple canopy. Agricultural and Forest Entomology, 2012, 14, 251-259.	1.3	7
42	Augmentation of native North American natural enemies for the biological control of the introduced emerald ash borer in central Canada. BioControl, 2020, 65, 71-79.	2.0	7
43	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. Forest Ecology and Management, 1995, 78, 1-10.	3.2	6
44	Reproductive Biology and Behavior of <i>Tranosema rostrale</i> (Hymenoptera: Ichneumonidae), a Parasitoid of Low-Density Spruce Budworm (Lepidoptera: Tortricidae) Populations. Journal of Insect Behavior, 2016, 29, 500-514.	0.7	6
45	Factors influencing the dispersal of a native parasitoid, <i>Phasgonophora sulcata</i> , attacking the emerald ash borer: implications for biological control. BioControl, 2018, 63, 751-761.	2.0	6
46	The Effects of Photoperiod on Diapause Induction in <i>Hypena opulenta</i> (Lepidoptera: Erebidae), a Biological Control Agent Against Invasive Swallow-Worts in North America. Environmental Entomology, 2020, 49, 580-585.	1.4	6
47	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). Canadian Entomologist, 2016, 148, 151-162.	0.8	5
48	Does variable stand structure associated with multi-cohort forests support diversity of ground beetle (Coleoptera, Carabidae) communities in the central Nearctic boreal forest?. Journal of Forestry Research, 2016, 27, 1191-1202.	3.6	5
49	Spruce Budworm ( <i>Choristoneura fumiferana</i> Clem.) Defoliation Promotes Vertical Fuel Continuity in Ontario's Boreal Mixedwood Forest. Forests, 2018, 9, 256.	2.1	5
50	Effects of single-tree selection harvesting on hymenopteran and saproxylic insect assemblages in the canopy and understory of northern temperate forests. Journal of Forestry Research, 2012, 23, 275-284.	3.6	4
51	Multi-cohort stand structure in boreal forests of northeastern Ontario: Relationships with forest age, disturbance history, and deadwood features. Forestry Chronicle, 2013, 89, 290-303.	0.6	4
52	Fungal endophytes increase biomass production in pale swallow-wort ( <i>Vincetoxicum rossicum</i> )	1.9	4
53	Exotic earthworm (Oligochaeta: Lumbricidae) assemblages on a landscape scale in central Canadian woodlands: importance of region and vegetation type. Canadian Journal of Forest Research, 2017, 47, 935-945.	1.7	3
54	Reproductive life-history traits of the classical biological control agent <i>Hypena opulenta</i> (Lepidoptera: Erebidae): Using agent biology to support post release monitoring and establishment. Biological Control, 2019, 135, 95-101.	3.0	3

#	ARTICLE	IF	CITATIONS
55	Assessment of pupal mortality in <i>Hypena opulenta</i> : An obstacle for establishment of a classical biological control agent against invasive swallowworts. <i>Ecological Entomology</i> , 2022, 47, 527-535.	2.2	3
56	Mortality of the white pine weevil associated with silvicultural practices in jack pine plantations. <i>Forestry Chronicle</i> , 1996, 72, 388-392.	0.6	2
57	Stand breakdown and surface fuel accumulation due to spruce budworm ( <i>Choristoneura</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 <i>Forest Research</i> , 2020, 50, 533-541.	1.7	2
58	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.	2.2	1
59	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.	0.8	0
60	A management strategy for emerald ash borer in St. Lawrence Islands National Park. <i>Forestry Chronicle</i> , 2012, 88, 124-130.	0.6	0
61	Masters of Forest Conservation Special Papers. <i>Forestry Chronicle</i> , 2012, 88, 99-100.	0.6	0