

M Alex Smith

List of Publications by Year in descending order

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106
papers

5,664
citations

196777
29
h-index

93651
72
g-index

112
all docs

112
docs citations

112
times ranked

6304
citing authors

#	ARTICLE	IF	CITATIONS
1	Frequency, topic, and preferences: Tracking student engagement with several modalities of student–instructor contact in a first-year course. <i>FEBS Open Bio</i> , 2022, 12, 12-23.	1.0	3
2	Phylogenetic community structure and stable isotope analysis of the parasitoid community associated with Eastern spruce budworm, <i>Choristoneura fumiferana</i> (Lepidoptera: Tortricidae). <i>Agricultural and Forest Entomology</i> , 2022, 24, 476-486.	0.7	0
3	Comparison of traditional and DNA metabarcoding samples for monitoring tropical soil arthropods (Formicidae, Collembola and Isoptera). <i>Scientific Reports</i> , 2022, 12, .	1.6	7
4	Diversity and phylogenetic community structure across elevation during climate change in a family of hyperdiverse neotropical beetles (Staphylinidae). <i>Ecography</i> , 2021, 44, 740-752.	2.1	6
5	Minimalist revision and description of 403 new species in 11 subfamilies of Costa Rican braconid parasitoid wasps, including host records for 219 species. <i>ZooKeys</i> , 2021, 1013, 1-665.	0.5	69
6	Torix <i>Rickettsia</i> are widespread in arthropods and reflect a neglected symbiosis. <i>GigaScience</i> , 2021, 10, .	3.3	27
7	Parasitoid community responds indiscriminately to fluctuating spruce budworm (Lepidoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 0.45	0.45	2
8	A molecular phylogeny of the parasitoid wasp subfamily Rogadinae (Ichneumonoidea: Braconidae) with descriptions of three new genera. <i>Systematic Entomology</i> , 2021, 46, 1019-1044.	1.7	9
9	Evidence for passive dispersal of ground beetles (Coleoptera: Carabidae) in the Nearctic boreal forest. <i>Ecoscience</i> , 2021, 28, 93-105.	0.6	2
10	Addendum to a minimalist revision of Costa Rican Braconidae: 28 new species and 23 host records. <i>ZooKeys</i> , 2021, 1075, 77-136.	0.5	6
11	Spider diversity across an elevation gradient in Área de Conservación Guanacaste (ACG), Costa Rica. <i>Biotropica</i> , 2020, 52, 1092-1102.	0.8	8
12	Functional and genetic diversity changes through time in a cloud forest ant assemblage. <i>Biotropica</i> , 2020, 52, 1084-1091.	0.8	5
13	Using DNA-barcoded Malaise trap samples to measure impact of a geothermal energy project on the biodiversity of a Costa Rican old-growth rain forest. <i>Genome</i> , 2020, 63, 407-436.	0.9	17
14	Identification of Spruce Budworm Natural Enemies Using a qPCR-Based Molecular Sorting Approach. <i>Forests</i> , 2020, 11, 621.	0.9	7
15	A subterranean ant <i>Acanthostichus</i> Mayr, 1887 is revealed in Costa Rica. <i>Insectes Sociaux</i> , 2020, 67, 327-330.	0.7	1
16	Bromeliads affect the interactions and composition of invertebrates on their support tree. <i>Oecologia</i> , 2020, 192, 879-891.	0.9	2
17	Ants (Hymenoptera: Formicidae) of Rockwood Park, New Brunswick: An Assessment of Species Richness and Habitat. <i>Northeastern Naturalist</i> , 2020, 27, 576.	0.1	2
18	A new genus and new species in the tribe Uramyini (Diptera: Tachinidae) from Area de Conservación Guanacaste in northwestern Costa Rica. <i>Biodiversity Data Journal</i> , 2020, 8, e48907.	0.4	2

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19	Nature's pitfall trap: salamanders as rich prey for carnivorous plants in a nutrient-poor northern bog ecosystem. <i>Ecology</i> , 2019, 100, e02770.	1.5	4
20	Species-level predation network uncovers high prey specificity in a Neotropical army ant community. <i>Molecular Ecology</i> , 2019, 28, 2423-2440.	2.0	33
21	Twenty-two new species in the genus <i>Hyphantrophaga</i> Townsend (Diptera: Tachinidae) from Area de Conservaci3n Guanacaste, with a key to the species of Mesoamerica. <i>Biodiversity Data Journal</i> , 2019, 7, e29553.	0.4	6
22	A revolutionary protocol to describe understudied hyperdiverse taxa and overcome the taxonomic impediment. <i>Mitteilungen Aus Dem Museum Fur Naturkunde in Berlin - Deutsche Entomologische Zeitschrift</i> , 2019, 66, 119-145.	0.3	37
23	A species-level taxonomic review and host associations of <i>Glyptapanteles</i> (Hymenoptera, Braconidae,) Tj ETQq1 1 0.784314 rgBT /Overworld 2019, 890, 1-685.	0.5	18
24	A revision of <i>Dolichogenidea</i> (Hymenoptera, Braconidae, Microgastrinae) with the second mediotergite broadly rectangular from Area de Conservaci3n Guanacaste, Costa Rica. <i>ZooKeys</i> , 2019, 835, 87-123.	0.5	4
25	Host Specificity in Subarctic Aphids. <i>Environmental Entomology</i> , 2018, 47, 77-86.	0.7	0
26	Janzen's mountain passes hypothesis is comprehensively tested in its fifth decade. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 12337-12339.	3.3	9
27	Revision of the Mesoamerican species of <i>Calolydella</i> Townsend (Diptera: Tachinidae) and description of twenty-three new species reared from caterpillars in Area de Conservaci3n Guanacaste, northwestern Costa Rica. <i>Biodiversity Data Journal</i> , 2018, 6, e11223.	0.4	2
28	Diversity of parasitoid and parasitic wasps across a latitudinal gradient: Using public DNA records to work within a taxonomic impediment. <i>Facets</i> , 2017, 2, 937-954.	1.1	10
29	Investigating the effect of forestry on leaf-litter arthropods (Algonquin Park, Ontario, Canada). <i>PLoS ONE</i> , 2017, 12, e0178568.	1.1	4
30	Five new species of <i>Vibrissina</i> Rondani (Diptera: Tachinidae) from Area de Conservaci3n Guanacaste in Northwestern Costa Rica. <i>Biodiversity Data Journal</i> , 2017, 5, e10967.	0.4	1
31	Nine new species of <i>Uramya</i> Robineau-Desvoidy (Diptera: Tachinidae) from Area de Conservaci3n Guanacaste in northwestern Costa Rica, with a key to their identification. <i>Biodiversity Data Journal</i> , 2017, 5, e9649.	0.4	8
32	Revision of the species of <i>Lytopylus</i> from Area de Conservaci3n Guanacaste, northwestern Costa Rica (Hymenoptera, Braconidae, Agathidinae). <i>ZooKeys</i> , 2017, 721, 93-158.	0.5	7
33	A new species of <i>Voria</i> Robineau-Desvoidy (Diptera: Tachinidae) from Area de Conservaci3n Guanacaste in Northwestern Costa Rica. <i>Biodiversity Data Journal</i> , 2017, 5, e20123.	0.4	5
34	The northward distribution of ants (Hymenoptera: Formicidae) 40 years later: revisiting Robert E. Gregg's 1969 Subarctic collection sites in Churchill, Manitoba, Canada. <i>Canadian Entomologist</i> , 2016, 148, 307-315.	0.4	2
35	A New Genus of Rhysipoline Wasp (Hymenoptera: Braconidae) with Modified Wing Venation from Africa and Papua New Guinea, Parasitoid on Choreutidae (Lepidoptera). <i>Annales Zoologici</i> , 2016, 66, 173-192.	0.1	13
36	Learning Ecological Networks from Next-Generation Sequencing Data. <i>Advances in Ecological Research</i> , 2016, , 1-39.	1.4	68

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37	Two new species of <i>Erythromelana</i> Townsend, 1919 (Diptera: Tachinidae) from Area de Conservaci3n Guanacaste in northwestern Costa Rica. <i>Biodiversity Data Journal</i> , 2016, 4, e7386.	0.4	9
38	A new species of <i>Phosocephala</i> Townsend, 1908 (Diptera: Tachinidae) from Area de Conservaci3n Guanacaste in northwestern Costa Rica. <i>Biodiversity Data Journal</i> , 2016, 4, e7863.	0.4	9
39	Review of the world species of <i>Exoryza</i> (Hymenoptera, Braconidae, Microgastrinae), with description of five new species. <i>Mitteilungen Aus Dem Museum Fur Naturkunde in Berlin - Deutsche Entomologische Zeitschrift</i> , 2016, 63, 195-210.	0.3	3
40	Pre-release detection of a biocontrol agent: combining independent and public DNA sequences to identify the first North American record of <i>Aulacidea pilosellae</i> (Hymenoptera: Cynipidae). <i>Canadian Entomologist</i> , 2015, 147, 390-395.	0.4	6
41	Observations of <i>Adelomyrmex</i> (Hymenoptera: Formicidae) reproductive biology facilitated by digital field microscopy and DNA barcoding. <i>Canadian Entomologist</i> , 2015, 147, 611-616.	0.4	5
42	Ants, elevation, phylogenetic diversity and community structure. <i>Ecosphere</i> , 2015, 6, 1-17.	1.0	15
43	New Country Records for <i>Teredon cubensis</i> (Cresson) (Hymenoptera: Siricidae). <i>Proceedings of the Entomological Society of Washington</i> , 2015, 117, 522-524.	0.0	1
44	Revision of <i>Aphelagathis</i> (Hymenoptera, Braconidae, Agathidinae, Agathidini). <i>Zootaxa</i> , 2015, 4000, 73.	0.2	5
45	Polydnavirus gene provides accurate identification of species in the genus <i>Hyposoter</i> (Hymenoptera: Ichneumonidae). <i>Insect Conservation and Diversity</i> , 2015, 8, 348-358.	1.4	0
46	Integrative taxonomy of New World <i>Euplectrus</i> Westwood (Hymenoptera, Eulophidae), with focus on 55 new species from Area de Conservaci3n Guanacaste, northwestern Costa Rica. <i>ZooKeys</i> , 2015, 485, 1-236.	0.5	20
47	Three new species of <i>Trigonospila</i> Pokorny (Diptera: Tachinidae), from Area de Conservaci3n Guanacaste, northwestern Costa Rica, with a key for their identification. <i>Biodiversity Data Journal</i> , 2015, 3, e4595.	0.4	12
48	Nine new species of <i>Itaplectops</i> (Diptera: Tachinidae) reared from caterpillars in Area de Conservaci3n Guanacaste, northwestern Costa Rica, with a key to <i>Itaplectops</i> species. <i>Biodiversity Data Journal</i> , 2015, 3, e4596.	0.4	12
49	Seven new species of <i>Spathidexia</i> Townsend (Diptera: Tachinidae) reared from caterpillars in Area de Conservaci3n Guanacaste, Costa Rica. <i>Biodiversity Data Journal</i> , 2015, 3, e4597.	0.4	16
50	Three new species of <i>Ametadoria</i> Townsend (Diptera: Tachinidae) from Area de Conservaci3n Guanacaste, Costa Rica. <i>Biodiversity Data Journal</i> , 2015, 3, e5039.	0.4	12
51	Revision of the genera <i>Microplitis</i> and <i>Snellenius</i> (Hymenoptera, Braconidae, Microgastrinae) from Area de Conservacion Guanacaste, Costa Rica, with a key to all species previously described from Mesoamerica. <i>Mitteilungen Aus Dem Museum Fur Naturkunde in Berlin - Deutsche Entomologische Zeitschrift</i> , 2015, 62, 137-201.	0.3	16
52	<p>Revision of the New World species of <i>Houghia</i> Coquillett (Diptera,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td Rica<p>. <i>Zootaxa</i> , 2014, 3858, 1.	0.2	27
53	Streamlining the use of BOLD specimen data to record species distributions: a case study with ten Nearctic species of Microgastrinae (Hymenoptera: Braconidae). <i>Biodiversity Data Journal</i> , 2014, 2, e4153.	0.4	9
54	Review of <i>Apanteles sensu stricto</i> (Hymenoptera, Braconidae, Microgastrinae) from Area de Conservaci3n Guanacaste, northwestern Costa Rica, with keys to all described species from Mesoamerica. <i>ZooKeys</i> , 2014, 383, 1-565.	0.5	102

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55	Revision of the genus <i>Pseudapanteles</i> (Hymenoptera, Braconidae, Microgastrinae), with emphasis on the species in Area de Conservaci3n Guanacaste, northwestern Costa Rica. <i>ZooKeys</i> , 2014, 446, 1-82.	0.5	15
56	Review of the Neotropical genus <i>Prasmodon</i> (Hymenoptera, Braconidae, Microgastrinae), with emphasis on species from Area de Conservaci3n Guanacaste, northwestern Costa Rica. <i>Journal of Hymenoptera Research</i> , 2014, 37, 1-52.	0.8	6
57	Revision of the neotropical genus <i>Sendaphne</i> Nixon (Hymenoptera, Braconidae, Microgastrinae). <i>Journal of Hymenoptera Research</i> , 2014, 41, 1-29.	0.8	6
58	Lyside sulphur (Lepidoptera: Pieridae): origin and possible modes of transport of an Ontario, Canada specimen. <i>Canadian Entomologist</i> , 2014, 146, 671-675.	0.4	1
59	Diversity and phylogenetic community structure of ants along a Costa Rican elevational gradient. <i>Ecography</i> , 2014, 37, 720-731.	2.1	78
60	A new species of <i>Cordyligaster</i> Macquart, reared from caterpillars in Area de Conservacion Guanacaste, northwestern Costa Rica. <i>Biodiversity Data Journal</i> , 2014, 2, e4174.	0.4	18
61	First record of the genus <i>Venanus</i> (Hymenoptera: Braconidae: Microgastrinae) in Mesoamerica, with the description of two new species from Costa Rica. <i>Biodiversity Data Journal</i> , 2014, 2, e4167.	0.4	3
62	DNA barcoding reveals diversity of Hymenoptera and the dominance of parasitoids in a sub-arctic environment. <i>BMC Ecology</i> , 2013, 13, 2.	3.0	54
63	Extrapolations from field studies and known faunas converge on dramatically increased estimates of global microgastrine parasitoid wasp species richness (Hymenoptera: Braconidae). <i>Insect Conservation and Diversity</i> , 2013, 6, 530-536.	1.4	107
64	DNA barcoding and the taxonomy of microgastrinae wasps (Hymenoptera). <i>Trends in Ecology and Evolution</i> , 2013, 28, 100-104.	2.2	104
65	Dna Barcoding a Collection of Ants (Hymenoptera: Formicidae) from Isla Del Coco, Costa Rica. <i>Florida Entomologist</i> , 2013, 96, 1500-1507.	0.2	6
66	A review of the New World species of the parasitoid wasp <i>Iconella</i> (Hymenoptera, Braconidae). <i>Trends in Ecology and Evolution</i> , 2013, 28, 100-104.	0.5	10
67	<i>Cystomastacoides</i> van Achterberg (Braconidae, Rogadinae): first host record and descriptions of three new species from Thailand and Papua New Guinea. <i>Journal of Hymenoptera Research</i> , 2013, 31, 65-78.	0.8	6
68	<i>Mariapanteles</i> (Hymenoptera, Braconidae), a new genus of Neotropical microgastrine parasitoid wasp discovered through biodiversity inventory. <i>ZooKeys</i> , 2012, 208, 61-80.	0.5	8
69	Hyperparasitoid wasps (Hymenoptera, Trigonidae) reared from dry forest and rain forest caterpillars of Area de Conservaci3n Guanacaste, Costa Rica. <i>Journal of Hymenoptera Research</i> , 2012, 29, 119-144.	0.8	34
70	What happens to the traditional taxonomy when a well-known tropical saturniid moth fauna is DNA barcoded?. <i>Invertebrate Systematics</i> , 2012, 26, 478.	0.5	30
71	<i>Wolbachia</i> (Rickettsiales) infections and bee (Apoidea) barcoding: a response to Gerth et al. <i>Systematics and Biodiversity</i> , 2012, 10, 395-401.	0.5	11
72	A new genus and three new species of parasitoid wasp from Papua New Guinea and redescription of <i>Trigonophatnus</i> Cameron (Hymenoptera, Braconidae, Rogadinae). <i>Journal of Natural History</i> , 2012, 46, 1369-1385.	0.2	12

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73	Utility of the DNA barcoding gene fragment for parasitic wasp phylogeny (Hymenoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Resources, 2012, 12, 676-685.	2.2	46
74	Wolbachia and DNA Barcoding Insects: Patterns, Potential, and Problems. PLoS ONE, 2012, 7, e36514.	1.1	148
75	Molecular detection of trophic links in a complex insect hostâ€“parasitoid food web. Molecular Ecology Resources, 2011, 11, 786-794.	2.2	107
76	Barcoding a Quantified Food Web: Crypsis, Concepts, Ecology and Hypotheses. PLoS ONE, 2011, 6, e14424.	1.1	85
77	Molecular analysis of parasitoid linkages (MAPL): gut contents of adult parasitoid wasps reveal larval host. Molecular Ecology, 2011, 20, 179-186.	2.0	81
78	Lytopylus FÃ¶rster (Hymenoptera, Braconidae, Agathidinae) species from Costa Rica, with an emphasis on specimens reared from caterpillars in Area de ConservaciÃ³n Guanacaste. ZooKeys, 2011, 130, 379-419.	0.5	15
79	A Poorly Known High-Latitude Parasitoid Wasp Community: Unexpected Diversity and Dramatic Changes through Time. PLoS ONE, 2011, 6, e23719.	1.1	44
80	DNA barcoding a highly diverse group of parasitoid wasps (Braconidae: Doryctinae) from a Mexican nature reserve. Mitochondrial DNA, 2010, 21, 18-23.	0.6	41
81	Invasions, DNA barcodes, and rapid biodiversity assessment using ants of Mauritius. Frontiers in Zoology, 2009, 6, 31.	0.9	85
82	Integration of DNA barcoding into an ongoing inventory of complex tropical biodiversity. Molecular Ecology Resources, 2009, 9, 1-26.	2.2	305
83	DNA barcode accumulation curves for understudied taxa and areas. Molecular Ecology Resources, 2009, 9, 208-216.	2.2	94
84	DNA BARCODING: CO1 DNA barcoding amphibians: take the chance, meet the challenge. Molecular Ecology Resources, 2008, 8, 235-246.	2.2	145
85	Extreme diversity of tropical parasitoid wasps exposed by iterative integration of natural history, DNA barcoding, morphology, and collections. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 12359-12364.	3.3	504
86	Using DNA barcodes to assess identity and diversity of Dendropsophus minutus: Failure?. Zootaxa, 2008, 1691, 67.	0.2	3
87	A Revision of Malagasy Species of Anochetus Mayr and Odontomachus Latreille (Hymenoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.1	99
88	Extreme diversity of tropical parasitoid wasps exposed by iterative integration of natural history, DNA barcoding, morphology, and collections. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 12359-12364.	3.3	23
89	DNA barcodes affirm that 16 species of apparently generalist tropical parasitoid flies (Diptera,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 States of America, 2007, 104, 4967-4972.	3.3	351
90	Induction of Photolyase Activity in Wood Frog (Rana sylvatica) Embryos. Photochemistry and Photobiology, 2007, 72, 575-578.	1.3	1

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91	Sex, isolation and fidelity: unbiased long-distance dispersal in a terrestrial amphibian. <i>Ecography</i> , 2006, 29, 649-658.	2.1	81
92	A minimalist barcode can identify a specimen whose DNA is degraded. <i>Molecular Ecology Notes</i> , 2006, 6, 959-964.	1.7	466
93	DNA barcodes reveal cryptic host-specificity within the presumed polyphagous members of a genus of parasitoid flies (Diptera: Tachinidae). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 3657-3662.	3.3	505
94	Dispersal and the metapopulation paradigm in amphibian ecology and conservation: are all amphibian populations metapopulations?. <i>Ecography</i> , 2005, 28, 110-128.	2.1	702
95	DNA barcoding for effective biodiversity assessment of a hyperdiverse arthropod group: the ants of Madagascar. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2005, 360, 1825-1834.	1.8	388
96	Phylogeography of <i>Bufo fowleri</i> at its northern range limit. <i>Molecular Ecology</i> , 2004, 13, 3723-3733.	2.0	21
97	Photolyase activity of the embryo and the ultraviolet absorbance of embryo jelly for several Ontario amphibian species. <i>Canadian Journal of Zoology</i> , 2002, 80, 1109-1116.	0.4	17
98	Induction of Photolyase Activity in Wood Frog (<i>Rana sylvatica</i>) Embryos. <i>Photochemistry and Photobiology</i> , 2000, 72, 575.	1.3	17
99	Problems utilizing an enzyme sensitive site assay for photorepair of exogenous DNA with cell-free extracts made from amphibian embryos. <i>Canadian Journal of Zoology</i> , 2000, 78, 1869-1872.	0.4	5
100	Bacterial fitness and plasmid loss: the importance of culture conditions and plasmid size. <i>Canadian Journal of Microbiology</i> , 1998, 44, 351-5.	0.8	55
101	Seven new species of <i>Notiospathius</i> (Hymenoptera, Braconidae, Doryctinae) from Northwest Venezuela. <i>Journal of Hymenoptera Research</i> , 0, 29, 37-61.	0.8	5
102	<i>Colastomion Baker</i> (Braconidae, Rogadinae): nine new species from Papua New Guinea reared from Crambidae. <i>Journal of Hymenoptera Research</i> , 0, 28, 85-121.	0.8	14
103	A new derived species group of <i>Aleiodes</i> parasitoid wasps (Hymenoptera, Braconidae, Rogadinae) from Asia with descriptions of three new species. <i>Journal of Hymenoptera Research</i> , 0, 23, 35-42.	0.8	4
104	Revision of the genus <i>Promicrogaster</i> (Hymenoptera, Braconidae, Microgastrinae) from Area de Conservaci3n Guanacaste, Costa Rica, with a key to all species previously described from Mesoamerica. <i>Journal of Hymenoptera Research</i> , 0, 50, 25-79.	0.8	6
105	Synopsis of New World <i>Sigalphinae</i> (Hymenoptera, Braconidae) with the description of two new species and a key to genera. <i>Journal of Hymenoptera Research</i> , 0, 68, 1-11.	0.8	1
106	More discussion of minimalist species descriptions and clarifying some misconceptions contained in Meier et al. 2021. <i>ZooKeys</i> , 0, 1110, 135-149.	0.5	1