

Scott E Miller

List of Publications by Year in descending order

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Version: 2024-02-01

114
papers

7,015
citations

87888

38
h-index

62596

80
g-index

124
all docs

124
docs citations

124
times ranked

8123
citing authors

#	ARTICLE	IF	CITATIONS
1	A DNA barcode library for the butterflies of North America. PeerJ, 2021, 9, e11157.	2.0	14
2	DROP: Molecular voucher database for identification of <i>Drosophila</i> parasitoids. Molecular Ecology Resources, 2021, 21, 2437-2454.	4.8	16
3	Seasonality affects specialisation of a temperate forest herbivore community. Oikos, 2021, 130, 1450-1461.	2.7	8
4	Host specificity and interaction networks of insects feeding on seeds and fruits in tropical rainforests. Oikos, 2021, 130, 1462-1476.	2.7	10
5	A molecular phylogeny of the parasitoid wasp subfamily Rogadinae (Ichneumonoidea: Braconidae) with descriptions of three new genera. Systematic Entomology, 2021, 46, 1019-1044.	3.9	9
6	Capacity of United States federal government and its partners to rapidly and accurately report the identity (taxonomy) of non-native organisms intercepted in early detection programs. Biological Invasions, 2020, 22, 101-127.	2.4	17
7	Vertical stratification of a temperate forest caterpillar community in eastern North America. Oecologia, 2020, 192, 501-514.	2.0	12
8	Here today, gone tomorrow. Science, 2020, 370, 149-149.	12.6	25
9	Spatial covariance of herbivorous and predatory guilds of forest canopy arthropods along a latitudinal gradient. Ecology Letters, 2020, 23, 1499-1510.	6.4	12
10	Plant phylogeny drives arboreal caterpillar assemblages across the Holarctic. Ecology and Evolution, 2020, 10, 14137-14151.	1.9	9
11	Reassessment of the moth genus <i>Bacotoma</i> , with a new species from Hainan Island (Lepidoptera: Tj ETQq1 1 0.784314 rgBT ₄ /Overlook	0.7	0
12	Three-gene PCR and high-resolution melting analysis for differentiating vertebrate species mitochondrial DNA for biodiversity research and complementing forensic surveillance. Scientific Reports, 2020, 10, 4741.	3.3	27
13	Compound Specific Trends of Chemical Defences in <i>Ficus</i> Along an Elevational Gradient Reflect a Complex Selective Landscape. Journal of Chemical Ecology, 2020, 46, 442-454.	1.8	11
14	BOLD and GenBank revisited – Do identification errors arise in the lab or in the sequence libraries?. PLoS ONE, 2020, 15, e0231814.	2.5	83
15	Title is missing!. , 2020, 15, e0231814.		0
16	Title is missing!. , 2020, 15, e0231814.		0
17	Title is missing!. , 2020, 15, e0231814.		0
18	Title is missing!. , 2020, 15, e0231814.		0

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19	Title is missing!. , 2020, 15, e0231814.		0
20	Title is missing!. , 2020, 15, e0231814.		0
21	High specialization and limited structural change in plant-herbivore networks along a successional chronosequence in tropical montane forest. <i>Ecography</i> , 2019, 42, 162-172.	4.5	19
22	A highly resolved food web for insect seed predators in a species-rich tropical forest. <i>Ecology Letters</i> , 2019, 22, 1638-1649.	6.4	32
23	Quantitative assessment of plant-arthropod interactions in forest canopies: A plot-based approach. <i>PLoS ONE</i> , 2019, 14, e0222119.	2.5	20
24	Using DNA barcoding to improve invasive pest identification at U.S. ports-of-entry. <i>PLoS ONE</i> , 2019, 14, e0222291.	2.5	46
25	Insect assemblages attacking seeds and fruits in a rainforest in Thailand. <i>Entomological Science</i> , 2019, 22, 137-150.	0.6	4
26	An entomocentric view of the Janzen-Connell hypothesis. <i>Insect Conservation and Diversity</i> , 2019, 12, 1-8.	3.0	9
27	A Revision of North American <i>Lactura</i> (Lepidoptera, Zygaenoidea, Lacturidae). <i>ZooKeys</i> , 2019, 846, 75-116.	1.1	2
28	Host Records for Tortricidae (Lepidoptera) Reared from Seeds and Fruits in a Thailand Rainforest. <i>Proceedings of the Entomological Society of Washington</i> , 2019, 121, 544.	0.2	6
29	Ivory and its Discontents. <i>Curator</i> , 2018, 61, 7-10.	0.6	0
30	A cross-continental comparison of assemblages of seed- and fruit-feeding insects in tropical rain forests: Faunal composition and rates of attack. <i>Journal of Biogeography</i> , 2018, 45, 1395-1407.	3.0	12
31	Community structure of insect herbivores is driven by conservatism, escalation and divergence of defensive traits in <i>Ficus</i> . <i>Ecology Letters</i> , 2018, 21, 83-92.	6.4	80
32	The Saturniidae of Barro Colorado Island, Panama: A model taxon for studying the long-term effects of climate change?. <i>Ecology and Evolution</i> , 2017, 7, 9991-10004.	1.9	20
33	Phylogenetic trophic specialization: a robust comparison of herbivorous guilds. <i>Oecologia</i> , 2017, 185, 551-559.	2.0	21
34	The U.S. Culture Collection Network Responding to the Requirements of the Nagoya Protocol on Access and Benefit Sharing. <i>MBio</i> , 2017, 8, .	4.1	30
35	Variably hungry caterpillars: predictive models and foliar chemistry suggest how to eat a rainforest. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20171803.	2.6	25
36	Low host specificity and abundance of frugivorous lepidoptera in the lowland rain forests of Papua New Guinea. <i>PLoS ONE</i> , 2017, 12, e0171843.	2.5	17

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37	Fruit sizes and the structure of frugivorous communities in a New Guinea lowland rainforest. <i>Austral Ecology</i> , 2016, 41, 228-237.	1.5	12
38	Calibrating the taxonomy of a megadiverse insect family: 3000 DNA barcodes from geometrid type specimens (Lepidoptera, Geometridae). <i>Genome</i> , 2016, 59, 671-684.	2.0	44
39	Advancing taxonomy and bioinventories with DNA barcodes. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150339.	4.0	91
40	<sc>DNA</sc> barcodes from century-old type specimens using next-generation sequencing. <i>Molecular Ecology Resources</i> , 2016, 16, 487-497.	4.8	118
41	The importance of long-distance dispersal and establishment events in small insects: historical biogeography of metalmark moths (Lepidoptera, Choreutidae). <i>Journal of Biogeography</i> , 2016, 43, 1254-1265.	3.0	36
42	The Global Registry of Biodiversity Repositories: A Call for Community Curation. <i>Biodiversity Data Journal</i> , 2016, 4, e10293.	0.8	12
43	Observations on an Irruption Event of the Moth <i>Achaea catocaloides</i> (Lepidoptera: Erebidae) at Kakamega Forest, Kenya. <i>Journal of East African Natural History</i> , 2015, 103, 31-38.	0.6	3
44	DNA Barcodes of Lepidoptera Reared from Yawan, Papua New Guinea. <i>Proceedings of the Entomological Society of Washington</i> , 2015, 117, 247.	0.2	4
45	Two New Yellow-Banded Sister Species of <i>Syntomaula</i> Meyrick (Lepidoptera: Gelechioidea: Tj ETQq1 1 0.784314 rgBT /Overlock 10 TF 50 Society, 2015, 69, 307-316.	0.2	6
46	The global distribution of diet breadth in insect herbivores. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 442-447.	7.1	454
47	Biodiversity inventories in high gear: DNA barcoding facilitates a rapid biotic survey of a temperate nature reserve. <i>Biodiversity Data Journal</i> , 2015, 3, e6313.	0.8	69
48	Australian Sphingidae – DNA Barcodes Challenge Current Species Boundaries and Distributions. <i>PLoS ONE</i> , 2014, 9, e101108.	2.5	36
49	DNA Barcodes of Moths (Lepidoptera) from Lake Turkana, Kenya. <i>Proceedings of the Entomological Society of Washington</i> , 2014, 116, 133-136.	0.2	4
50	DNA Barcodes of Microlepidoptera Reared from Native Fruit in Kenya. <i>Proceedings of the Entomological Society of Washington</i> , 2014, 116, 137.	0.2	9
51	Mapping and understanding the diversity of insects in the tropics: past achievements and future directions. <i>Austral Entomology</i> , 2014, 53, 259-267.	1.4	28
52	Cross-continental comparisons of butterfly assemblages in tropical rainforests: implications for biological monitoring. <i>Insect Conservation and Diversity</i> , 2013, 6, 223-233.	3.0	36
53	Estimating global arthropod species richness: refining probabilistic models using probability bounds analysis. <i>Oecologia</i> , 2013, 171, 357-365.	2.0	51
54	Parasitism rate, parasitoid community composition and host specificity on exposed and semi-concealed caterpillars from a tropical rainforest. <i>Oecologia</i> , 2013, 173, 521-532.	2.0	50

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55	A new genus of metalmark moths (Lepidoptera, Choreutidae) with Afrotropical and Australasian distribution. ZooKeys, 2013, 355, 29-47.	1.1	5
56	DNA Barcodes of Caterpillars (Lepidoptera) from Papua New Guinea. Proceedings of the Entomological Society of Washington, 2013, 115, 107-109.	0.2	20
57	Arthropod Diversity in a Tropical Forest. Science, 2012, 338, 1481-1484.	12.6	445
58	Predicting tropical insect herbivore abundance from host plant traits and phylogeny. Ecology, 2012, 93, S211.	3.2	90
59	A new genus and three new species of parasitoid wasp from Papua New Guinea and redescription of <i>Trigonophatnus</i> Cameron (Hymenoptera, Braconidae, Rogadinae). Journal of Natural History, 2012, 46, 1369-1385.	0.5	12
60	Insects on Plants: Explaining the Paradox of Low Diversity within Specialist Herbivore Guilds. American Naturalist, 2012, 179, 351-362.	2.1	47
61	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.	4.8	46
62	Wolbachia and DNA Barcoding Insects: Patterns, Potential, and Problems. PLoS ONE, 2012, 7, e36514.	2.5	148
63	Molecular detection of trophic links in a complex insect host-parasitoid food web. Molecular Ecology Resources, 2011, 11, 786-794.	4.8	107
64	Comparison of rainforest butterfly assemblages across three biogeographical regions using standardized protocols. The Journal of Research on the Lepidoptera, 2011, 44, 17-28.	0.1	22
65	Provisional Nomenclature. , 2010, , 109-116.		28
66	Guild-specific patterns of species richness and host specialization in plant-herbivore food webs from a tropical forest. Journal of Animal Ecology, 2010, 79, 1193-1203.	2.8	261
67	Population genetics of ecological communities with DNA barcodes: An example from New Guinea Lepidoptera. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 5041-5046.	7.1	100
68	Quantifying Uncertainty in Estimation of Tropical Arthropod Species Richness. American Naturalist, 2010, 176, 90-95.	2.1	199
69	Corrigendum. Molecular Ecology Resources, 2010, 10, 580-580.	4.8	0
70	New Butterfly Records from Guana Island, British Virgin Islands (Lepidoptera: Nymphalidae). Florida Entomologist, 2010, 93, 642-643.	0.5	2
71	A review of African Blastobasinae (Lepidoptera: Gelechioidea: Coleophoridae), with new taxa reared from native fruits in Kenya. Smithsonian Contributions To Zoology, 2010, , 1-68.	1.5	8
72	Monitoring arthropods in a tropical landscape: relative effects of sampling methods and habitat types on trap catches. Journal of Insect Conservation, 2009, 13, 103-118.	1.4	77

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73	The Potential for Species Conservation in Tropical Secondary Forests. <i>Conservation Biology</i> , 2009, 23, 1406-1417.	4.7	489
74	Integration of DNA barcoding into an ongoing inventory of complex tropical biodiversity. <i>Molecular Ecology Resources</i> , 2009, 9, 1-26.	4.8	305
75	Choice of metrics for studying arthropod responses to habitat disturbance: one example from Gabon. <i>Insect Conservation and Diversity</i> , 2008, 1, 55-66.	3.0	38
76	Changes in Arthropod Assemblages along a Wide Gradient of Disturbance in Gabon. <i>Conservation Biology</i> , 2008, 22, 1552-1563.	4.7	51
77	Progressive island colonization and ancient origin of Hawaiian <i>Metrosideros</i> (Myrtaceae). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 1479-1490.	2.6	89
78	DNA barcoding and the renaissance of taxonomy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 4775-4776.	7.1	231
79	The value of georeferenced collection records for predicting patterns of mosquito species richness and endemism in the Neotropics. <i>Ecological Entomology</i> , 2007, 33, 071203162814003-???	2.2	15
80	Low beta diversity of herbivorous insects in tropical forests. <i>Nature</i> , 2007, 448, 692-695.	27.8	227
81	DNA barcoding confirms polyphagy in a generalist moth, <i>Homona mermerodes</i> (Lepidoptera: Tj ETQq1 1 0.784314 19 BT /Overlock 10	1.7	39
82	PHYLOGENETIC DISPERSION OF HOST USE IN A TROPICAL INSECT HERBIVORE COMMUNITY. <i>Ecology</i> , 2006, 87, S62-S75.	3.2	171
83	Why Are There So Many Species of Herbivorous Insects in Tropical Rainforests?. <i>Science</i> , 2006, 313, 1115-1118.	12.6	469
84	An altitudinal comparison of caterpillar (Lepidoptera) assemblages on <i>Ficus</i> trees in Papua New Guinea. <i>Journal of Biogeography</i> , 2005, 32, 1303-1314.	3.0	48
85	DNA barcoding a useful tool for taxonomists. <i>Nature</i> , 2005, 435, 17-17.	27.8	255
86	No tree an island: the plant-caterpillar food web of a secondary rain forest in New Guinea. <i>Ecology Letters</i> , 2004, 7, 1090-1100.	6.4	64
87	Conservation and biological monitoring of tropical forests: the role of parataxonomists. <i>Journal of Applied Ecology</i> , 2004, 41, 163-174.	4.0	80
88	Discriminatory power of different arthropod data sets for the biological monitoring of anthropogenic disturbance in tropical forests. <i>Biodiversity and Conservation</i> , 2004, 13, 709-732.	2.6	62
89	Colonising aliens: caterpillars (Lepidoptera) feeding on <i>Piper aduncum</i> and <i>P. umbellatum</i> in rainforests of Papua New Guinea. <i>Ecological Entomology</i> , 2003, 28, 704-716.	2.2	47
90	The composition, generic placement and host-plant relationships of the joviana-group in the <i>Parallelia</i> generic complex (Lepidoptera : Noctuidae, Catocalinae). <i>Invertebrate Systematics</i> , 2003, 17, 111.	1.3	8

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91	Controlled publication of digital scientific data. <i>Communications of the ACM</i> , 2002, 45, 97-101.	4.5	31
92	Predictably simple: assemblages of caterpillars (Lepidoptera) feeding on rainforest trees in Papua New Guinea. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 2337-2344.	2.6	55
93	Host specialization of leaf-chewing insects in a New Guinea rainforest. <i>Journal of Animal Ecology</i> , 2002, 71, 400-412.	2.8	90
94	Low host specificity of herbivorous insects in a tropical forest. <i>Nature</i> , 2002, 416, 841-844.	27.8	588
95	A Herpetological Reconnaissance of Mpala Research Centre, Laikipia, Kenya. <i>Journal of the East Africa Natural History Society and National Museum</i> , 2001, 90, 103.	1.0	2
96	Museum Collections and Conservation Efforts. <i>Science</i> , 2001, 291, 828c-829.	12.6	12
97	A Smithsonian Jewel: Biological Collections. <i>Science</i> , 2001, 293, 1433-1433.	12.6	0
98	Quantifying Biodiversity: Experience with Parataxonomists and Digital Photography in Papua New Guinea and Guyana. <i>BioScience</i> , 2000, 50, 899.	4.9	67
99	Assessing the impact of forest disturbance on tropical invertebrates: some comments. <i>Journal of Applied Ecology</i> , 1998, 35, 461-466.	4.0	49
100	Dispersal of Plant Pests into the Virgin Islands. <i>Florida Entomologist</i> , 1994, 77, 520.	0.5	4
101	Bee Flies of the British Virgin Islands (Diptera: Bombyliidae). <i>Florida Entomologist</i> , 1994, 77, 382.	0.5	0
102	Unique Secondary "Accessory Glands" in the Female Genitalia of Dalceridae (Lepidoptera). <i>Annals of the Entomological Society of America</i> , 1993, 86, 179-181.	2.5	1
103	The information age and agricultural entomology. <i>Bulletin of Entomological Research</i> , 1993, 83, 471-474.	1.0	2
104	Biological Diversity and the Need to Nurture Systematics Collections. <i>American Entomologist</i> , 1991, 37, 76-76.	0.2	2
105	Entomological Collections in the United States and Canada. <i>American Entomologist</i> , 1991, 37, 77-84.	0.2	8
106	Insects Associated with the Flowers of Two Species of <i>Malacothrix</i> (Asteraceae) on San Miguel Island, California. <i>Psyche: Journal of Entomology</i> , 1985, 92, 547-555.	0.9	2
107	Earwigs of the California Channel Islands, With Notes on Other Species in California (Dermaptera). <i>Psyche: Journal of Entomology</i> , 1984, 91, 47-50.	0.9	1
108	Late Quaternary Insects of Rancho La Brea and McKittrick, California. <i>Quaternary Research</i> , 1983, 20, 90-104.	1.7	31

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109	Fossil Tiger Beetles (Coleoptera: Cicindelidae): Review and New Quaternary Records. <i>Psyche: Journal of Entomology</i> , 1982, 89, 339-346.	0.9	8
110	Type Designations and Synonymies for North American Silphidae (Coleoptera). <i>Psyche: Journal of Entomology</i> , 1982, 89, 151-156.	0.9	4
111	Amino Acid Geochemistry of Fossil Bones from the Rancho La Brea Asphalt Deposit, California. <i>Quaternary Research</i> , 1982, 18, 174-183.	1.7	15
112	ADELAIDE LEMERT DORAN. Pieces of Eight Channel Islands: A Bibliographical Guide and Source Book. Arthur H. Clark Co.: Glendale, California. 1980. Pp 340. Price US \$26.50.. <i>Archives of Natural History</i> , 1982, 11, 164-165.	0.3	0
113	Entomofauna of Cocos Island, Costa Rica. <i>Atoll Research Bulletin</i> , 1981, 250, 1-29.	0.2	21
114	Colastomion Baker (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