# Scott E Miller

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | Low host specificity of herbivorous insects in a tropical forest. Nature, 2002, 416, 841-844. | 27.8 | 588 |
| 2 | The Potential for Species Conservation in Tropical Secondary Forests. Conservation Biology, 2009, 23, 1406-1417. | 4.7 | 489 |
| 3 | Why Are There So Many Species of Herbivorous Insects in Tropical Rainforests?. Science, 2006, 313, 1115-1118. | 12.6 | 469 |
| 4 | The global distribution of diet breadth in insect herbivores. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 442-447. | 7.1 | 454 |
| 5 | Arthropod Diversity in a Tropical Forest. Science, 2012, 338, 1481-1484. | 12.6 | 445 |
| 6 | Integration of DNA barcoding into an ongoing inventory of complex tropical biodiversity. Molecular Ecology Resources, 2009, 9, 1-26. | 4.8 | 305 |
| 7 | Guildâ€specific patterns of species richness and host specialization in plantâ€“herbivore food webs from a tropical forest. Journal of Animal Ecology, 2010, 79, 1193-1203. | 2.8 | 261 |
| 8 | DNA barcoding a useful tool for taxonomists. Nature, 2005, 435, 17-17. | 27.8 | 255 |
| 9 | DNA barcoding and the renaissance of taxonomy. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 4775-4776. | 7.1 | 231 |
| 10 | Low beta diversity of herbivorous insects in tropical forests. Nature, 2007, 448, 692-695. | 27.8 | 227 |
| 11 | Quantifying Uncertainty in Estimation of Tropical Arthropod Species Richness. American Naturalist, 2010, 176, 90-95. | 2.1 | 199 |
| 12 | PHYLOGENETIC DISPERSION OF HOST USE IN A TROPICAL INSECT HERBIVORE COMMUNITY. Ecology, 2006, 87, S62-S75. | 3.2 | 171 |
| 13 | Wolbachia and DNA Barcoding Insects: Patterns, Potential, and Problems. PLoS ONE, 2012, 7, e36514. | 2.5 | 148 |
| 14 | <scp>DNA</scp> barcodes from centuryâ€old type specimens using nextâ€generation sequencing. Molecular Ecology Resources, 2016, 16, 487-497. | 4.8 | 118 |
| 15 | Molecular detection of trophic links in a complex insect hostâ€“parasitoid food web. Molecular Ecology Resources, 2011, 11, 786-794. | 4.8 | 107 |
| 16 | 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 |
| 17 | Advancing taxonomy and bioinventories with DNA barcodes. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150339. | 4.0 | 91 |
| 18 | Host specialization of leaf-chewing insects in a New Guinea rainforest. Journal of Animal Ecology, 2002, 71, 400-412. | 2.8 | 90 |

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|---|---|---|---|
| 19 | Predicting tropical insect herbivore abundance from host plant traits and phylogeny. Ecology, 2012, 93, S211. | 3.2 | 90 |
| 20 | Progressive island colonization and ancient origin of Hawaiian Metrosideros (Myrtaceae). Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 1479-1490. | 2.6 | 89 |
| 21 | BOLD and GenBank revisited â€“ Do identification errors arise in the lab or in the sequence libraries?. PLoS ONE, 2020, 15, e0231814. | 2.5 | 83 |
| 22 | Conservation and biological monitoring of tropical forests: the role of parataxonomists. Journal of Applied Ecology, 2004, 41, 163-174. | 4.0 | 80 |
| 23 | Community structure of insect herbivores is driven by conservatism, escalation and divergence of defensive traits in Ficus. Ecology Letters, 2018, 21, 83-92. | 6.4 | 80 |
| 24 | 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 |
| 25 | Biodiversity inventories in high gear: DNA barcoding facilitates a rapid biotic survey of a temperate nature reserve. Biodiversity Data Journal, 2015, 3, e6313. | 0.8 | 69 |
| 26 | Quantifying Biodiversity: Experience with Parataxonomists and Digital Photography in Papua New Guinea and Guyana. BioScience, 2000, 50, 899. | 4.9 | 67 |
| 27 | No tree an island: the plant-caterpillar food web of a secondary rain forest in New Guinea. Ecology Letters, 2004, 7, 1090-1100. | 6.4 | 64 |
| 28 | Discriminatory power of different arthropod data sets for the biological monitoring of anthropogenic disturbance in tropical forests. Biodiversity and Conservation, 2004, 13, 709-732. | 2.6 | 62 |
| 29 | Predictably simple: assemblages of caterpillars (Lepidoptera) feeding on rainforest trees in Papua New Guinea. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 2337-2344. | 2.6 | 55 |
| 30 | Changes in Arthropod Assemblages along a Wide Gradient of Disturbance in Gabon. Conservation Biology, 2008, 22, 1552-1563. | 4.7 | 51 |
| 31 | Estimating global arthropod species richness: refining probabilistic models using probability bounds analysis. Oecologia, 2013, 171, 357-365. | 2.0 | 51 |
| 32 | Parasitism rate, parasitoid community composition and host specificity on exposed and semi-concealed caterpillars from a tropical rainforest. Oecologia, 2013, 173, 521-532. | 2.0 | 50 |
| 33 | Assessing the impact of forest disturbance on tropical invertebrates: some comments. Journal of Applied Ecology, 1998, 35, 461-466. | 4.0 | 49 |
| 34 | An altitudinal comparison of caterpillar (Lepidoptera) assemblages on Ficus trees in Papua New Guinea. Journal of Biogeography, 2005, 32, 1303-1314. | 3.0 | 48 |
| 35 | Colonising aliens: caterpillars (Lepidoptera) feeding on Piper aduncum and P.â€ƒumbellatum in rainforests of Papua New Guinea. Ecological Entomology, 2003, 28, 704-716. | 2.2 | 47 |
| 36 | Insects on Plants: Explaining the Paradox of Low Diversity within Specialist Herbivore Guilds. American Naturalist, 2012, 179, 351-362. | 2.1 | 47 |

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|---|---|---|---|
| 37 | 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 |
| 38 | Using DNA barcoding to improve invasive pest identification at U.S. ports-of-entry. PLoS ONE, 2019, 14, e0222291. | 2.5 | 46 |
| 39 | Calibrating the taxonomy of a megadiverse insect family: 3000 DNA barcodes from geometrid type specimens (Lepidoptera, Geometridae). Genome, 2016, 59, 671-684. | 2.0 | 44 |
| 40 | DNA barcoding confirms polyphagy in a generalist moth,Homona mermerodes(Lepidoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 T | 1.7 | 39 |
| 41 | Choice of metrics for studying arthropod responses to habitat disturbance: one example from Gabon. Insect Conservation and Diversity, 2008, 1, 55-66. | 3.0 | 38 |
| 42 | Crossâ€continental comparisons of butterfly assemblages in tropical rainforests: implications for biological monitoring. Insect Conservation and Diversity, 2013, 6, 223-233. | 3.0 | 36 |
| 43 | Australian Sphingidae â€“ DNA Barcodes Challenge Current Species Boundaries and Distributions. PLoS ONE, 2014, 9, e101108. | 2.5 | 36 |
| 44 | The importance of longâ€distance dispersal and establishment events in small insects: historical biogeography of metalmark moths (Lepidoptera, Choreutidae). Journal of Biogeography, 2016, 43, 1254-1265. | 3.0 | 36 |
| 45 | A highly resolved food web for insect seed predators in a speciesâ€rich tropical forest. Ecology Letters, 2019, 22, 1638-1649. | 6.4 | 32 |
| 46 | Late Quaternary Insects of Rancho La Brea and McKittrick, California. Quaternary Research, 1983, 20, 90-104. | 1.7 | 31 |
| 47 | Controlled publication of digital scientific data. Communications of the ACM, 2002, 45, 97-101. | 4.5 | 31 |
| 48 | The U.S. Culture Collection Network Responding to the Requirements of the Nagoya Protocol on Access and Benefit Sharing. MBio, 2017, 8, . | 4.1 | 30 |
| 49 | Provisional Nomenclature. , 2010, , 109-116. | | 28 |
| 50 | Mapping and understanding the diversity of insects in the tropics: past achievements and future directions. Austral Entomology, 2014, 53, 259-267. | 1.4 | 28 |
| 51 | 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 |
| 52 | Variably hungry caterpillars: predictive models and foliar chemistry suggest how to eat a rainforest. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171803. | 2.6 | 25 |
| 53 | Here today, gone tomorrow. Science, 2020, 370, 149-149. | 12.6 | 25 |
| 54 | 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 |

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|---|---|---|---|
| 55 | Phylogenetic trophic specialization: a robust comparison of herbivorous guilds. Oecologia, 2017, 185, 551-559. | 2.0 | 21 |
| 56 | Entomofauna of Cocos Island, Costa Rica. Atoll Research Bulletin, 1981, 250, 1-29. | 0.2 | 21 |
| 57 | DNA Barcodes of Caterpillars (Lepidoptera) from Papua New Guinea. Proceedings of the Entomological Society of Washington, 2013, 115, 107-109. | 0.2 | 20 |
| 58 | The Saturniidae of Barro Colorado Island, Panama: A model taxon for studying the longâ€term effects of climate change?. Ecology and Evolution, 2017, 7, 9991-10004. | 1.9 | 20 |
| 59 | Quantitative assessment of plant-arthropod interactions in forest canopies: A plot-based approach. PLoS ONE, 2019, 14, e0222119. | 2.5 | 20 |
| 60 | High specialization and limited structural change in plantâ€herbivore networks along a successional chronosequence in tropical montane forest. Ecography, 2019, 42, 162-172. | 4.5 | 19 |
| 61 | 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 |
| 62 | Low host specificity and abundance of frugivorous lepidoptera in the lowland rain forests of Papua New Guinea. PLoS ONE, 2017, 12, e0171843. | 2.5 | 17 |
| 63 | DROP: Molecular voucher database for identification of Drosophila parasitoids. Molecular Ecology Resources, 2021, 21, 2437-2454. | 4.8 | 16 |
| 64 | Amino Acid Geochemistry of Fossil Bones from the Rancho La Brea Asphalt Deposit, California. Quaternary Research, 1982, 18, 174-183. | 1.7 | 15 |
| 65 | The value of georeferenced collection records for predicting patterns of mosquito species richness and endemism in the Neotropics. Ecological Entomology, 2007, 33, 071203162814003-???. | 2.2 | 15 |
| 66 | Colastomion Baker (Braconidae, Rogadinae): nine new species from Papua New Guinea reared from Crambidae. Journal of Hymenoptera Research, 0, 28, 85-121. | 0.8 | 14 |
| 67 | A DNA barcode library for the butterflies of North America. PeerJ, 2021, 9, e11157. | 2.0 | 14 |
| 68 | A new genus and three new species of parasitoid wasp from Papua New Guinea and redescription ofTrigonophatnusCameron (Hymenoptera, Braconidae, Rogadinae). Journal of Natural History, 2012, 46, 1369-1385. | 0.5 | 12 |
| 69 | Fruit sizes and the structure of frugivorous communities in a New Guinea lowland rainforest. Austral Ecology, 2016, 41, 228-237. | 1.5 | 12 |
| 70 | A crossâ€continental comparison of assemblages of seedâ€and fruitâ€feeding insects in tropical rain forests: Faunal composition and rates of attack. Journal of Biogeography, 2018, 45, 1395-1407. | 3.0 | 12 |
| 71 | Vertical stratification of a temperate forest caterpillar community in eastern North America. Oecologia, 2020, 192, 501-514. | 2.0 | 12 |
| 72 | Spatial covariance of herbivorous and predatory guilds of forest canopy arthropods along a latitudinal gradient. Ecology Letters, 2020, 23, 1499-1510. | 6.4 | 12 |

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| 73 | Museum Collections and Conservation Efforts. Science, 2001, 291, 828c-829. | 12.6 | 12 |
| 74 | The Global Registry of Biodiversity Repositories: A Call for Community Curation. Biodiversity Data Journal, 2016, 4, e10293. | 0.8 | 12 |
| 75 | Compound Specific Trends of Chemical Defences in Ficus Along an Elevational Gradient Reflect a Complex Selective Landscape. Journal of Chemical Ecology, 2020, 46, 442-454. | 1.8 | 11 |
| 76 | Host specificity and interaction networks of insects feeding on seeds and fruits in tropical rainforests. Oikos, 2021, 130, 1462-1476. | 2.7 | 10 |
| 77 | DNA Barcodes of Microlepidoptera Reared from Native Fruit in Kenya. Proceedings of the Entomological Society of Washington, 2014, 116, 137. | 0.2 | 9 |
| 78 | An entomocentric view of the Janzenâ€“Connell hypothesis. Insect Conservation and Diversity, 2019, 12, 1-8. | 3.0 | 9 |
| 79 | Plant phylogeny drives arboreal caterpillar assemblages across the Holarctic. Ecology and Evolution, 2020, 10, 14137-14151. | 1.9 | 9 |
| 80 | 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 |
| 81 | Fossil Tiger Beetles (Coleoptera: Cicindelidae): Review and New Quaternary Records. Psyche: Journal of Entomology, 1982, 89, 339-346. | 0.9 | 8 |
| 82 | Entomological Collections in the United States and Canada. American Entomologist, 1991, 37, 77-84. | 0.2 | 8 |
| 83 | The composition, generic placement and host-plant relationships of the joviana-group in the Parallelia generic complex (Lepidoptera : Noctuidae, Catocalinae). Invertebrate Systematics, 2003, 17, 111. | 1.3 | 8 |
| 84 | Seasonality affects specialisation of a temperate forest herbivore community. Oikos, 2021, 130, 1450-1461. | 2.7 | 8 |
| 85 | 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 |
| 86 | Two New Yellow-Banded Sister Species ofSyntomaulaMeyrick (Lepidoptera: Gelechioidea:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td Society, 2015, 69, 307-316. | 0.2 | 6 |
| 87 | Host Records for Tortricidae (Lepidoptera) Reared from Seeds and Fruits in a Thailand Rainforest. Proceedings of the Entomological Society of Washington, 2019, 121, 544. | 0.2 | 6 |
| 88 | A new genus of metalmark moths (Lepidoptera, Choreutidae) with Afrotropical and AustralasianÂdistribution. ZooKeys, 2013, 355, 29-47. | 1.1 | 5 |
| 89 | Type Designations and Synonymies for North American Silphidae (Coleoptera). Psyche: Journal of Entomology, 1982, 89, 151-156. | 0.9 | 4 |
| 90 | Dispersal of Plant Pests into the Virgin Islands. Florida Entomologist, 1994, 77, 520. | 0.5 | 4 |

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|---|---|---|---|
| 91 | DNA Barcodes of Moths (Lepidoptera) from Lake Turkana, Kenya. Proceedings of the Entomological Society of Washington, 2014, 116, 133-136. | 0.2 | 4 |
| 92 | DNA Barcodes of Lepidoptera Reared from Yawan, Papua New Guinea. Proceedings of the Entomological Society of Washington, 2015, 117, 247. | 0.2 | 4 |
| 93 | Insect assemblages attacking seeds and fruits in a rainforest in Thailand. Entomological Science, 2019, 22, 137-150. | 0.6 | 4 |
| 94 | Reassessment of the moth genus Bacotoma, with a new species from Hainan Island (Lepidoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 0.7 | 4 |
| 95 | Observations on an Irruption Event of the MothAchaea catocaloides(Lepidoptera: Erebidae) at Kakamega Forest, Kenya. Journal of East African Natural History, 2015, 103, 31-38. | 0.6 | 3 |
| 96 | Insects Associated with the Flowers of Two Species of Malacothrix (Asteraceae) on San Miguel Island, California. Psyche: Journal of Entomology, 1985, 92, 547-555. | 0.9 | 2 |
| 97 | Biological Diversity and the Need to Nurture Systematics Collections. American Entomologist, 1991, 37, 76-76. | 0.2 | 2 |
| 98 | The information age and agricultural entomology. Bulletin of Entomological Research, 1993, 83, 471-474. | 1.0 | 2 |
| 99 | A Herpetological Reconnaissance of Mpala Research Centre, Laikipia, Kenya. Journal of the East Africa Natural History Society and National Museum, 2001, 90, 103. | 1.0 | 2 |
| 100 | New Butterfly Records from Guana Island, British Virgin Islands (Lepidoptera: Nymphalidae). Florida Entomologist, 2010, 93, 642-643. | 0.5 | 2 |
| 101 | A Revision of North American Lactura (Lepidoptera, Zygaenoidea, Lacturidae). ZooKeys, 2019, 846, 75-116. | 1.1 | 2 |
| 102 | Earwigs of the California Channel Islands, With Notes on Other Species in California (Dermaptera). Psyche: Journal of Entomology, 1984, 91, 47-50. | 0.9 | 1 |
| 103 | Unique Secondary â€œAccessory Glandsâ€•in the Female Genitalia of Dalceridae (Lepidoptera). Annals of the Entomological Society of America, 1993, 86, 179-181. | 2.5 | 1 |
| 104 | Bee Flies of the British Virgin Islands (Diptera: Bombyliidae). Florida Entomologist, 1994, 77, 382. | 0.5 | 0 |
| 105 | Corrigendum. Molecular Ecology Resources, 2010, 10, 580-580. | 4.8 | 0 |
| 106 | Ivory and its Discontents. Curator, 2018, 61, 7-10. | 0.6 | 0 |
| 107 | A Smithsonian Jewel: Biological Collections. Science, 2001, 293, 1433-1433. | 12.6 | 0 |
| 108 | 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.. Archives of Natural History, 1982, 11, 164-165. | 0.3 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Title is missing!. , 2020, 15, e0231814. | | 0 |
| 110 | Title is missing!. , 2020, 15, e0231814. | | 0 |
| 111 | Title is missing!. , 2020, 15, e0231814. | | 0 |
| 112 | Title is missing!. , 2020, 15, e0231814. | | 0 |
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