

Lee A Dyer

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

3,332
citations

218677

26
h-index

168389

53
g-index

84
all docs

84
docs citations

84
times ranked

3786
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and compositional dimensions of phytochemical diversity in the genus <i>Piper</i> reflect distinct ecological modes of action. <i>Journal of Ecology</i> , 2022, 110, 57-67.	4.0	14
2	Jack-of-all-trades paradigm meets long-term data: Generalist herbivores are more widespread and locally less abundant. <i>Ecology Letters</i> , 2022, 25, 948-957.	6.4	13
3	Reconstructing butterfly-pollen interaction networks through periods of anthropogenic drought in the Great Basin (USA) over the past century. <i>Anthropocene</i> , 2022, 37, 100325.	3.3	3
4	<i>Aximopsis gabriellae</i> sp. nov.: a gregarious parasitoid (Hymenoptera: Eurytomidae) of the skipper <i>Quadrus cerialis</i> (Lepidoptera: HesperIIDae) feeding on <i>Piper amalago</i> in southern Mexico. <i>Journal of Natural History</i> , 2022, 56, 173-189.	0.5	0
5	Plant-Caterpillar-Parasitoid Natural History Studies Over Decades and Across Large Geographic Gradients Provide Insight Into Specialization, Interaction Diversity, and Global Change. <i>Fascinating Life Sciences</i> , 2022, , 583-606.	0.9	2
6	The chemical ecology of tropical forest diversity: Environmental variation, chemical similarity, herbivory, and richness. <i>Ecology</i> , 2022, 103, e3762.	3.2	12
7	James S. Miller (1953–2022): Remembering a Great Entomologist, Musician, and Friend. <i>American Entomologist</i> , 2022, 68, 59-60.	0.2	0
8	Chemically Mediated Multi-trophic Interactions. , 2021, , 17-38.		1
9	A window to the world of global insect declines: Moth biodiversity trends are complex and heterogeneous. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	111
10	Importance of interaction rewiring in determining spatial and temporal turnover of tritrophic (<i>Piper</i> -caterpillar-parasitoid) metanetworks in the Yucatán Peninsula, México. <i>Biotropica</i> , 2021, 53, 1071-1081.	1.6	9
11	Phytochemistry reflects different evolutionary history in traditional classes versus specialized structural motifs. <i>Scientific Reports</i> , 2021, 11, 17247.	3.3	9
12	Tritrophic interaction diversity in gallery forests: A biologically rich and understudied component of the Brazilian cerrado. <i>Arthropod-Plant Interactions</i> , 2021, 15, 773-785.	1.1	3
13	Testing the applicability of random forest modeling to examine benthic foraminiferal responses to multiple environmental parameters. <i>Marine Environmental Research</i> , 2021, 172, 105502.	2.5	9
14	Good Things Come in Larger Packages: Size Matters for Adult Fruit-Feeding Butterfly Dispersal and Larval Diet Breadth. <i>Diversity</i> , 2021, 13, 664.	1.7	9
15	International scientists formulate a roadmap for insect conservation and recovery. <i>Nature Ecology and Evolution</i> , 2020, 4, 174-176.	7.8	176
16	Secondary metabolites in a neotropical shrub: spatiotemporal allocation and role in fruit defense and dispersal. <i>Ecology</i> , 2020, 101, e03192.	3.2	9
17	Loss of dominant caterpillar genera in a protected tropical forest. <i>Scientific Reports</i> , 2020, 10, 422.	3.3	68
18	Macrophyte Diversity and Complexity Reduce Larval Mosquito Abundance. <i>Journal of Medical Entomology</i> , 2020, 57, 1041-1048.	1.8	2

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19	Simulating Groundcover Community Assembly in a Frequently Burned Ecosystem Using a Simple Neutral Model. <i>Frontiers in Plant Science</i> , 2019, 10, 1107.	3.6	7
20	Interaction Diversity Maintains Resiliency in a Frequently Disturbed Ecosystem. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	2.2	21
21	Proximity to canopy mediates changes in the defensive chemistry and herbivore loads of an understory tropical shrub, <i>Piper kelleyi</i> . <i>Ecology Letters</i> , 2019, 22, 332-341.	6.4	21
22	Preference and performance of Lepidoptera varies with tree age in juniper woodlands. <i>Ecological Entomology</i> , 2019, 44, 140-150.	2.2	1
23	Challenges and advances in the study of latitudinal gradients in multitrophic interactions, with a focus on consumer specialization. <i>Current Opinion in Insect Science</i> , 2019, 32, 68-76.	4.4	10
24	Maximizing the monitoring of diversity for management activities: Additive partitioning of plant species diversity across a frequently burned ecosystem. <i>Forest Ecology and Management</i> , 2019, 432, 409-414.	3.2	11
25	A species-level taxonomic review and host associations of <i>Glyptapanteles</i> (Hymenoptera, Braconidae). <i>Tj ETQq1 1 0.784314 rgBT /Overl</i> 2019, 890, 1-685.	1.1	18
26	Host plant associated enhancement of immunity and survival in virus infected caterpillars. <i>Journal of Invertebrate Pathology</i> , 2018, 151, 102-112.	3.2	35
27	Changing interactions among persistent species as the major driver of seasonal turnover in plant-caterpillar interactions. <i>PLoS ONE</i> , 2018, 13, e0203164.	2.5	11
28	Multidimensional diversity associated with plants: a view from a plant-insect interaction ecologist. <i>American Journal of Botany</i> , 2018, 105, 1439-1442.	1.7	9
29	Modern approaches to study plant-insect interactions in chemical ecology. <i>Nature Reviews Chemistry</i> , 2018, 2, 50-64.	30.2	97
30	Across Multiple Species, Phytochemical Diversity and Herbivore Diet Breadth Have Cascading Effects on Herbivore Immunity and Parasitism in a Tropical Model System. <i>Frontiers in Plant Science</i> , 2018, 9, 656.	3.6	25
31	Promises and challenges in insect-plant interactions. <i>Entomologia Experimentalis Et Applicata</i> , 2018, 166, 319-343.	1.4	66
32	Shedding Light on Chemically Mediated Tri-Trophic Interactions: A 1H-NMR Network Approach to Identify Compound Structural Features and Associated Biological Activity. <i>Frontiers in Plant Science</i> , 2018, 9, 1155.	3.6	12
33	Simulated tri-trophic networks reveal complex relationships between species diversity and interaction diversity. <i>PLoS ONE</i> , 2018, 13, e0193822.	2.5	10
34	Similarity in volatile communities leads to increased herbivory and greater tropical forest diversity. <i>Ecology</i> , 2017, 98, 1750-1756.	3.2	32
35	Specialised generalists? Food web structure of a tropical tachinid-caterpillar community. <i>Insect Conservation and Diversity</i> , 2017, 10, 367-384.	3.0	16
36	Overstory-derived surface fuels mediate plant species diversity in frequently burned longleaf pine forests. <i>Ecosphere</i> , 2017, 8, e01964.	2.2	39

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37	Host conservatism, geography, and elevation in the evolution of a Neotropical moth radiation. <i>Evolution; International Journal of Organic Evolution</i> , 2017, 71, 2885-2900.	2.3	10
38	An arthropod survival strategy in a frequently burned forest. <i>Ecology</i> , 2017, 98, 2972-2974.	3.2	21
39	Seasonal variation in diet breadth of folivorous Lepidoptera in the Brazilian cerrado. <i>Biotropica</i> , 2016, 48, 491-498.	1.6	26
40	Intraspecific phytochemical variation shapes community and population structure for specialist caterpillars. <i>New Phytologist</i> , 2016, 212, 208-219.	7.3	90
41	Wherefore and Whither the Modeler: Understanding the Population Dynamics of Monarchs Will Require Integrative and Quantitative Techniques. <i>Annals of the Entomological Society of America</i> , 2016, 109, 172-175.	2.5	16
42	Phytochemical diversity and synergistic effects on herbivores. <i>Phytochemistry Reviews</i> , 2016, 15, 1153-1166.	6.5	97
43	Does plant apparency matter? Thirty years of data provide limited support but reveal clear patterns of the effects of plant chemistry on herbivores. <i>New Phytologist</i> , 2016, 210, 1044-1057.	7.3	84
44	Trait-mediated trophic cascade creates enemy-free space for nesting hummingbirds. <i>Science Advances</i> , 2015, 1, e1500310.	10.3	22
45	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
46	Phytochemical diversity drives plant-insect community diversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 10973-10978.	7.1	246
47	Dietary specialization and the effects of plant species on potential multitrophic interactions of three species of nymphaline caterpillars. <i>Entomologia Experimentalis Et Applicata</i> , 2014, 153, 207-216.	1.4	17
48	Antiherbivore Prenylated Benzoic Acid Derivatives from <i>Piper kelleyi</i> . <i>Journal of Natural Products</i> , 2014, 77, 148-153.	3.0	33
49	Canopy Openness Enhances Diversity of Ant-Plant Interactions in the Brazilian Amazon Rain Forest. <i>Biotropica</i> , 2014, 46, 712-719.	1.6	27
50	New dimensions of tropical diversity: an inordinate fondness for insect molecules, taxa, and trophic interactions. <i>Current Opinion in Insect Science</i> , 2014, 2, 14-19.	4.4	21
51	<i>Piper kelleyi</i> , a hotspot of ecological interactions and a new species from Ecuador and Peru. <i>PhytoKeys</i> , 2014, 34, 19-32.	1.0	23
52	Can Climate Change Trigger Massive Diversity Cascades in Terrestrial Ecosystems?. <i>Diversity</i> , 2013, 5, 479-504.	1.7	15
53	Effects of CO2 and Temperature on Tritrophic Interactions. <i>PLoS ONE</i> , 2013, 8, e62528.	2.5	73
54	Effects of Banana Plantation Pesticides on the Immune Response of Lepidopteran Larvae and Their Parasitoid Natural Enemies. <i>Insects</i> , 2012, 3, 616-628.	2.2	13

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55	Novel Insights into Tritrophic Interaction Diversity and Chemical Ecology Using 16 Years of Volunteer-Supported Research.. <i>American Entomologist</i> , 2012, 58, 15-19.	0.2	12
56	First Description of the Early Stage Biology of the Genus <i>Mygona</i> : The Natural History of the Satyrine Butterfly, <i>Mygona irmina</i> in Eastern Ecuador. <i>Journal of Insect Science</i> , 2011, 11, 1-11.	1.5	3
57	Natural History of <i>Eryphanis greeneyi</i> (Lepidoptera: Nymphalidae) and Its Enemies, with a Description of a New Species of Braconid Parasitoid and Notes on Its Tachinid Parasitoid. <i>Annals of the Entomological Society of America</i> , 2011, 104, 1078-1090.	2.5	10
58	Ecology, Natural History, and Larval Descriptions of Arctiinae (Lepidoptera: Noctuoidea: Erebidae) from a Cloud Forest in the Eastern Andes of Ecuador. <i>Annals of the Entomological Society of America</i> , 2011, 104, 1135-1148.	2.5	13
59	Restoration of Pasture to Forest in Brazil's Mata Atlântica: The Roles of Herbivory, Seedling Defenses, and Plot Design in Reforestation. <i>Restoration Ecology</i> , 2011, 19, 257-267.	2.9	25
60	Weighing Defensive and Nutritive Roles of Ant Mutualists Across a Tropical Altitudinal Gradient. <i>Biotropica</i> , 2011, 43, 343-350.	1.6	18
61	New Synthesis—Back to the Future: New Approaches and Directions in Chemical Studies of Coevolution. <i>Journal of Chemical Ecology</i> , 2011, 37, 669-669.	1.8	11
62	A quantitative evaluation of major plant defense hypotheses, nature versus nurture, and chemistry versus ants. <i>Arthropod-Plant Interactions</i> , 2011, 5, 125-139.	1.1	50
63	A meta-analysis of the effects of global environmental change on plant-herbivore interactions. <i>Arthropod-Plant Interactions</i> , 2010, 4, 181-188.	1.1	68
64	Synergistic Effects of Amides from Two Piper Species on Generalist and Specialist Herbivores. <i>Journal of Chemical Ecology</i> , 2010, 36, 1105-1113.	1.8	86
65	Diversity of Interactions: A Metric for Studies of Biodiversity. <i>Biotropica</i> , 2010, 42, 281-289.	1.6	69
66	Tropical forests are not flat: how mountains affect herbivore diversity. <i>Ecology Letters</i> , 2010, 13, 1348-1357.	6.4	69
67	Herbivores on a dominant understory shrub increase local plant diversity in rain forest communities. <i>Ecology</i> , 2010, 91, 3707-3718.	3.2	46
68	A Key to New World <i>Distatrix</i> Mason (Hymenoptera: Braconidae), with Descriptions of Six New Reared Neotropical Species. <i>Journal of Insect Science</i> , 2009, 9, 1-17.	1.5	15
69	Geographic Variation in Host-Specificity and Parasitoid Pressure of an Herbivore (Geometridae) Associated with the Tropical Genus <i>Piper</i> (Piperaceae). <i>Journal of Insect Science</i> , 2009, 9, 1-11.	1.5	39
70	The insect immune response and other putative defenses as effective predictors of parasitism. <i>Ecology</i> , 2009, 90, 1434-1440.	3.2	96
71	Understanding why underrepresented students pursue ecology careers: a preliminary case study. <i>Frontiers in Ecology and the Environment</i> , 2007, 5, 415-420.	4.0	19
72	Multi-trophic interactions and biodiversity: beetles, ants, caterpillars and plants. , 2005, , 366-385.		3

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73	Fitness Consequences of Herbivory: Impacts on Asexual Reproduction of Tropical Rain Forest Understory Plants. <i>Biotropica</i> , 2004, 36, 68-73.	1.6	7
74	A bioassay for insect deterrent compounds found in plant and animal tissues. <i>Phytochemical Analysis</i> , 2003, 14, 381-388.	2.4	15
75	ON THE CONDITIONAL NATURE OF NEOTROPICAL CATERPILLAR DEFENSES AGAINST THEIR NATURAL ENEMIES. <i>Ecology</i> , 2002, 83, 3108-3119.	3.2	178
76	A quantification of predation rates, indirect positive effects on plants, and foraging variation of the giant tropical ant, <i>Paraponera clavata</i> . <i>Journal of Insect Science</i> , 2002, 2, 18.	1.5	10
77	Top-down and bottom-up diversity cascades in detrital vs. living food webs. <i>Ecology Letters</i> , 2002, 6, 60-68.	6.4	119
78	Trade-offs in antiherbivore defenses in <i>Piper cenocladum</i> : ant mutualists versus plant secondary metabolites. <i>Journal of Chemical Ecology</i> , 2001, 27, 581-592.	1.8	88
79	Effectiveness of caterpillar defenses against three species of invertebrate predators. <i>The Journal of Research on the Lepidoptera</i> , 1997, 34, 48-68.	0.1	58