

# Lora A Richards

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

1,309  
citations

535685

17  
h-index

563245

28  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1642  
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.	1.9	14
2	The chemical ecology of tropical forest diversity: Environmental variation, chemical similarity, herbivory, and richness. <i>Ecology</i> , 2022, 103, e3762.	1.5	12
3	Opposing Effects of <i>Ceanothus velutinus</i> Phytochemistry on Herbivore Communities at Multiple Scales. <i>Metabolites</i> , 2021, 11, 361.	1.3	3
4	Phytochemistry reflects different evolutionary history in traditional classes versus specialized structural motifs. <i>Scientific Reports</i> , 2021, 11, 17247.	1.6	9
5	Caterpillars on a phytochemical landscape: The case of alfalfa and the Melissa blue butterfly. <i>Ecology and Evolution</i> , 2020, 10, 4362-4374.	0.8	7
6	Editorial: Arthropod Interactions and Responses to Disturbance in a Changing World. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	1.1	12
7	Interaction Diversity Maintains Resiliency in a Frequently Disturbed Ecosystem. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	1.1	21
8	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.	3.0	21
9	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.	1.4	11
10	Modern approaches to study plant–insect interactions in chemical ecology. <i>Nature Reviews Chemistry</i> , 2018, 2, 50-64.	13.8	97
11	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.	1.7	25
12	Global change and the importance of fire for the ecology and evolution of insects. <i>Current Opinion in Insect Science</i> , 2018, 29, 110-116.	2.2	61
13	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.	1.7	12
14	Similarity in volatile communities leads to increased herbivory and greater tropical forest diversity. <i>Ecology</i> , 2017, 98, 1750-1756.	1.5	32
15	Overstory-derived surface fuels mediate plant species diversity in frequently burned longleaf pine forests. <i>Ecosphere</i> , 2017, 8, e01964.	1.0	39
16	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.	1.1	10
17	Intraspecific phytochemical variation shapes community and population structure for specialist caterpillars. <i>New Phytologist</i> , 2016, 212, 208-219.	3.5	90
18	Phytochemical diversity and synergistic effects on herbivores. <i>Phytochemistry Reviews</i> , 2016, 15, 1153-1166.	3.1	97

#	ARTICLE	IF	CITATIONS
19	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.	3.3	246
20	Antiherbivore Prenylated Benzoic Acid Derivatives from <i>Piper kelleyi</i> . <i>Journal of Natural Products</i> , 2014, 77, 148-153.	1.5	33
21	Percentage leaf herbivory across vascular plant species. <i>Ecology</i> , 2014, 95, 788-788.	1.5	53
22	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.	2.2	21
23	Synergistic Effects of Iridoid Glycosides on the Survival, Development and Immune Response of a Specialist Caterpillar, <i>Junonia coenia</i> (Nymphalidae). <i>Journal of Chemical Ecology</i> , 2012, 38, 1276-1284.	0.9	62
24	Domatia morphology and mite occupancy of <i>Psychotria horizontalis</i> (Rubiaceae) across the Isthmus of Panama. <i>Arthropod-Plant Interactions</i> , 2012, 6, 129-136.	0.5	4
25	Synergistic Effects of Amides from Two Piper Species on Generalist and Specialist Herbivores. <i>Journal of Chemical Ecology</i> , 2010, 36, 1105-1113.	0.9	86
26	Combined Effects of Host Plant Quality and Predation on a Tropical Lepidopteran: A Comparison between Treefall Gaps and the Understorey in Panama. <i>Biotropica</i> , 2008, 40, 736-741.	0.8	18
27	Seasonal variation of arthropod abundance in gaps and the understorey of a lowland moist forest in Panama. <i>Journal of Tropical Ecology</i> , 2007, 23, 169-176.	0.5	92
28	Seasonal and habitat differences affect the impact of food and predation on herbivores: a comparison between gaps and understorey of a tropical forest. <i>Oikos</i> , 2007, 116, 31-40.	1.2	120