Phyllis D Coley

List of Publications by Year
in descending order

55 papers	6,629 citations	136950 32 h-index	175258 52 g-index
56 all docs	56 docs citations	56 times ranked	6301 citing authors

#	Article	IF	Citations
1	The role of plant secondary metabolites in shaping regional and local plant community assembly. Journal of Ecology, 2022, 110, 34-45.	4.0	15
2	Functional Traits 2.0: The power of the metabolome for ecology. Journal of Ecology, 2022, 110, 4-20.	4.0	42
3	Impacts of Plant Defenses on Host Choice by Lepidoptera in Neotropical Rainforests. Fascinating Life Sciences, 2022, , 93-114.	0.9	2
4	Phenolics lie at the centre of functional versatility in the responses of two phytochemically diverse tropical trees to canopy thinning. Journal of Experimental Botany, 2019, 70, 5853-5864.	4.8	8
5	Macroevolutionary patterns in overexpression of tyrosine: An antiâ€herbivore defence in a speciose tropical tree genus, <i>Inga</i> (Fabaceae). Journal of Ecology, 2019, 107, 1620-1632.	4.0	21
6	Herbivores as drivers of negative density dependence in tropical forest saplings. Science, 2019, 363, 1213-1216.	12.6	87
7	Chemocoding as an identification tool where morphologicalâ€•and <scp>DNA</scp>â€based methods fall short: <i>Inga</i> as a case study. New Phytologist, 2018, 218, 847-858.	7.3	25
8	Consequences of interspecific variation in defenses and herbivore host choice for the ecology and evolution of Inga, a speciose rainforest tree. Oecologia, 2018, 187, 361-376.	2.0	68
9	Tracking of Host Defenses and Phylogeny During the Radiation of Neotropical Inga-Feeding Sawflies (Hymenoptera; Argidae). Frontiers in Plant Science, 2018, 9, 1237.	3.6	19
10	Dispersal assembly of rain forest tree communities across the Amazon basin. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2645-2650.	7.1	103
11	Coevolutionary arms race versus host defense chase in a tropical herbivoreâ€“plant system. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E7499-E7505.	7.1	123
12	Quantitative and qualitative shifts in defensive metabolites define chemical defense investment during leaf development in <i><scp>I</scp>nga</i>, a genus of tropical trees. Ecology and Evolution, 2016, 6, 478-492.	1.9	70
13	High herbivore pressure favors constitutive over induced defense. Ecology and Evolution, 2016, 6, 6037-6049.	1.9	78
14	Divergent evolution in antiherbivore defences within species complexes at a single Amazonian site. Journal of Ecology, 2015, 103, 1107-1118.	4.0	60
15	The Effect of Symbiotic Ant Colonies on Plant Growth: A Test Using an Azteca-Cecropia System. PLoS ONE, 2015, 10, e0120351.	2.5	12
16	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
17	Do pathogens limit the distributions of tropical trees across a rainfall gradient?. Journal of Ecology, 2015, 103, 165-174.	4.0	73
18	Communities of fungal endophytes in tropical forest grasses: highly diverse host- and habitat generalists characterized by strong spatial structure. Fungal Ecology, 2014, 8, 1-11.	1.6	115

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19	On Tropical Forests and Their Pests. Science, 2014, 343, 35-36.	12.6	92
20	Developmental Changes in Direct and Indirect Defenses in the Young Leaves of the Neotropical Tree Genus <i><scp>I</scp>nga</i> (<scp>F</scp>abaceae). Biotropica, 2013, 45, 175-184.	1.6	20
21	Coibanoles, a new class of meroterpenoids produced by Pycnoporus sanguineus. Tetrahedron Letters, 2012, 53, 919-922.	1.4	23
22	Domatia morphology and mite occupancy of Psychotria horizontalis (Rubiaceae) across the Isthmus of Panama. Arthropod-Plant Interactions, 2012, 6, 129-136.	1.1	4
23	Culturing and direct PCR suggest prevalent host generalism among diverse fungal endophytes of tropical forest grasses. Mycologia, 2011, 103, 247-260.	1.9	97
24	The resource availability hypothesis revisited: a metaâ€analysis. Functional Ecology, 2011, 25, 389-398.	3.6	446
25	The evolution of antiherbivore defenses and their contribution to species coexistence in the tropical tree genus<i>Inga</i>. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18073-18078.	7.1	277
26	Combined Effects of Host Plant Quality and Predation on a Tropical Lepidopteran: A Comparison between Treefall Gaps and the Understory in Panama. Biotropica, 2008, 40, 736-741.	1.6	18
27	The effect of soil on the growth performance of tropical species with contrasting distributions. Oikos, 2008, 117, 1453-1460.	2.7	26
28	Seasonal and habitat differences affect the impact of food and predation on herbivores: a comparison between gaps and understory of a tropical forest. Oikos, 2007, 116, 31-40.	2.7	120
29	Galloyl Depsides of Tyrosine from Young Leaves of Inga laurina. Journal of Natural Products, 2007, 70, 134-136.	3.0	25
30	Divergence and diversity in the defensive ecology of Inga at two Neotropical sites. Journal of Ecology, 2007, 96, 071203163438002-???.	4.0	16
31	Antiprotozoal Activity AgainstPlasmodium falciparum. andTrypanosoma cruzi. of Xanthones Isolated fromChrysochlamys tenuis.. Pharmaceutical Biology, 2006, 44, 550-553.	2.9	24
32	Contrasting mechanisms of secondary metabolite accumulation during leaf development in two tropical tree species with different leaf expansion strategies. Oecologia, 2006, 149, 91-100.	2.0	45
33	FOOD QUALITY, COMPETITION, AND PARASITISM INFLUENCE FEEDING PREFERENCE IN A NEOTROPICAL LEPIDOPTERAN. Ecology, 2006, 87, 3058-3069.	3.2	33
34	Allelochemic function for a primary metabolite: the case of lâ€tyrosine hyperâ€production in <i>Inga umbellifera</i> (Fabaceae). American Journal of Botany, 2006, 93, 1109-1115.	1.7	54
35	A rapid, efficient method for the bioassay of extracts, fractions and compounds for activity against tropical aphids. International Journal of Pest Management, 2006, 52, 333-342.	1.8	3
36	THE GROWTHâ€“DEFENSE TRADE-OFF AND HABITAT SPECIALIZATION BY PLANTS IN AMAZONIAN FORESTS. , 2006, 87, S150.		2

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37	DIVERGENT DEFENSIVE STRATEGIES OF YOUNG LEAVES IN TWO SPECIES OF INGA. Ecology, 2005, 86, 2633-2643.	3.2	56
38	Cinnamoyl glucosides of catechin and dimeric procyanidins from young leaves of Inga umbellifera (Fabaceae). Phytochemistry, 2004, 65, 351-358.	2.9	42
39	Using ecological criteria to design plant collection strategies for drug discovery. Frontiers in Ecology and the Environment, 2003, 1, 421-428.	4.0	64
40	Monodominance in an African Rain Forest: Is Reduced Herbivory Important?1. Biotropica, 2000, 32, 430-439.	1.6	23
41	Tropical Monodominance: A Preliminary Test of the Ectomycorrhizal Hypothesis1. Biotropica, 1999, 31, 220-228.	1.6	45
42	Contrasting modes of light acclimation in two species of the rainforest understory. Oecologia, 1999, 121, 489-498.	2.0	59
43	Possible Effects of Climate Change on Plant/Herbivore Interactions in Moist Tropical Forests. Climatic Change, 1998, 39, 455-472.	3.6	166
44	Anti-Herbivore Defenses of Young Tropical Leaves: Physiological Constraints and Ecological Trade-offs. , 1996, , 305-336.		143
45	A new paradigm for drug discovery in tropical rainforests. Nature Biotechnology, 1996, 14, 1200-1202.	17.5	9
46	Glass Ceiling: Bump, Bump. Science, 1995, 269, 1328-1328.	12.6	0
47	Photosynthetic induction times in shade-tolerant species with long and short-lived leaves. Oecologia, 1993, 93, 165-170.	2.0	60
48	Delayed Greening in Tropical Leaves: An Antiherbivore Defense?. Biotropica, 1992, 24, 256.	1.6	156
49	Nitrogen Content and Expansion Rate of Young Leaves of Rain Forest Species: Implications for Herbivory. Biotropica, 1991, 23, 141.	1.6	91
50	Red coloration of tropical young leaves: a possible antifungal defence?. Journal of Tropical Ecology, 1989, 5, 293-300.	1.1	101
51	INTERSPECIFIC VARIATION IN PLANT ANTIâ€HERBIVORE PROPERTIES: THE ROLE OF HABITAT QUALITY AND RATE OF DISTURBANCE. New Phytologist, 1987, 106, 251-263.	7.3	193
52	Costs and benefits of defense by tannins in a neotropical tree. Oecologia, 1986, 70, 238-241.	2.0	229
53	River dynamics and the diversity of Amazon lowland forest. Nature, 1986, 322, 254-258.	27.8	801
54	Herbivory and Defensive Characteristics of Tree Species in a Lowland Tropical Forest. Ecological Monographs, 1983, 53, 209-234.	5.4	1,458

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55	Effects of leaf age and plant life history patterns on herbivory. Nature, 1980, 284, 545-546.	27.8	233