

Bruno Corbara

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

2,093
citations

236925

25
h-index

276875

41
g-index

89
all docs

89
docs citations

89
times ranked

2778
citing authors

#	ARTICLE	IF	CITATIONS
1	Arthropod Diversity in a Tropical Forest. <i>Science</i> , 2012, 338, 1481-1484.	12.6	445
2	Arboreal ants build traps to capture prey. <i>Nature</i> , 2005, 434, 973-973.	27.8	108
3	Arthropod Distribution in a Tropical Rainforest: Tackling a Four Dimensional Puzzle. <i>PLoS ONE</i> , 2015, 10, e0144110.	2.5	102
4	Understorey environments influence functional diversity in tank bromeliad ecosystems. <i>Freshwater Biology</i> , 2012, 57, 815-823.	2.4	64
5	Vertical stratification of the termite assemblage in a neotropical rainforest. <i>Oecologia</i> , 2006, 149, 301-311.	2.0	58
6	Are Algae Relevant to the Detritus-Based Food Web in Tank-Bromeliads?. <i>PLoS ONE</i> , 2011, 6, e20129.	2.5	56
7	The contribution of microorganisms and metazoans to mineral nutrition in bromeliads. <i>Journal of Plant Ecology</i> , 2016, 9, 241-255.	2.3	47
8	Food-Web Structure in Relation to Environmental Gradients and Predator-Prey Ratios in Tank-Bromeliad Ecosystems. <i>PLoS ONE</i> , 2013, 8, e71735.	2.5	42
9	Constraints on the functional trait space of aquatic invertebrates in bromeliads. <i>Functional Ecology</i> , 2018, 32, 2435-2447.	3.6	41
10	Ants mediate foliar structure and nitrogen acquisition in a tank bromeliad. <i>New Phytologist</i> , 2009, 183, 1124-1133.	7.3	39
11	Environmental determinants of macroinvertebrate diversity in small water bodies: insights from tank-bromeliads. <i>Hydrobiologia</i> , 2014, 723, 77-86.	2.0	38
12	A preliminary study of freshwater protozoa in tank bromeliads. <i>Journal of Tropical Ecology</i> , 2001, 17, 611-617.	1.1	37
13	Climate Change Impact on Neotropical Social Wasps. <i>PLoS ONE</i> , 2011, 6, e27004.	2.5	37
14	The effects of food web structure on ecosystem function exceeds those of precipitation. <i>Journal of Animal Ecology</i> , 2016, 85, 1147-1160.	2.8	36
15	Ant-plant mutualisms promote functional diversity in phytotelm communities. <i>Functional Ecology</i> , 2011, 25, 954-963.	3.6	34
16	Ants mediate the structure of phytotelm communities in an ant garden bromeliad. <i>Ecology</i> , 2010, 91, 1549-1556.	3.2	33
17	Extreme rainfall events alter the trophic structure in bromeliad tanks across the Neotropics. <i>Nature Communications</i> , 2020, 11, 3215.	12.8	33
18	Ants as biological indicators of Wayana Amerindian land use in French Guiana. <i>Comptes Rendus - Biologies</i> , 2009, 332, 673-684.	0.2	32

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19	Functional trait responses of aquatic macroinvertebrates to simulated drought in a Neotropical bromeliad ecosystem. <i>Freshwater Biology</i> , 2015, 60, 1917-1929.	2.4	32
20	Arboreal Ants Use the "Velcro" Principle to Capture Very Large Prey. <i>PLoS ONE</i> , 2010, 5, e11331.	2.5	31
21	New insights on the genetic diversity of the honeybee parasite <i>Nosema ceranae</i> based on multilocus sequence analysis. <i>Parasitology</i> , 2013, 140, 1346-1356.	1.5	31
22	Environmental drivers of invertebrate population dynamics in Neotropical tank bromeliads. <i>Freshwater Biology</i> , 2017, 62, 229-242.	2.4	31
23	Diversity and nest site selection of social wasps along Guianese forest edges: assessing the influence of arboreal ants. <i>Comptes Rendus - Biologies</i> , 2009, 332, 470-479.	0.2	29
24	Spatial Distribution of Dominant Arboreal Ants in a Malagasy Coastal Rainforest: Gaps and Presence of an Invasive Species. <i>PLoS ONE</i> , 2010, 5, e9319.	2.5	29
25	Mutualistic ants contribute to tank-bromeliad nutrition. <i>Annals of Botany</i> , 2013, 112, 919-926.	2.9	29
26	The Ecology and Feeding Habits of the Arboreal Trap-Jawed Ant <i>Daceton armigerum</i> . <i>PLoS ONE</i> , 2012, 7, e37683.	2.5	24
27	Are myrmecophytes always better protected against herbivores than other plants?. <i>Biological Journal of the Linnean Society</i> , 2006, 89, 91-98.	1.6	23
28	Mise En Evidence D'Une Forme D'Apprentissage Dans Le Comportement De Capture Des Proies Chez <i>Pachycondyla</i> (=Neoponera) <i>Villosa</i> (Formicidae, Ponerinae). <i>Behaviour</i> , 1990, 115, 175-187.	0.8	22
29	Trophic mediation by a fungus in an ant-plant mutualism. <i>Journal of Ecology</i> , 2011, 99, 583-590.	4.0	22
30	How territoriality and host-tree taxa determine the structure of ant mosaics. <i>Die Naturwissenschaften</i> , 2015, 102, 33.	1.6	21
31	Ant species identity mediates reproductive traits and allocation in an ant-garden bromeliad. <i>Annals of Botany</i> , 2012, 109, 145-152.	2.9	20
32	Functional traits and environmental conditions predict community isotopic niches and energy pathways across spatial scales. <i>Functional Ecology</i> , 2018, 32, 2423-2434.	3.6	20
33	The ladybird <i>Thalassa saginata</i> , an obligatory myrmecophile of <i>Dolichoderus bidens</i> ant colonies. <i>Die Naturwissenschaften</i> , 2004, 91, 97-100.	1.6	19
34	A Tank Bromeliad Favors Spider Presence in a Neotropical Inundated Forest. <i>PLoS ONE</i> , 2014, 9, e114592.	2.5	19
35	Influence of its associated ant species on the life history of the myrmecophyte <i>Cordia nodosa</i> in French Guiana. <i>Journal of Tropical Ecology</i> , 2004, 20, 701-704.	1.1	18
36	Litter-dwelling ants as bioindicators to gauge the sustainability of small arboreal monocultures embedded in the Amazonian rainforest. <i>Ecological Indicators</i> , 2017, 82, 43-49.	6.3	18

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37	Saproxyllic beetles in tropical and temperate forests – A standardized comparison of vertical stratification patterns. <i>Forest Ecology and Management</i> , 2019, 444, 50-58.	3.2	18
38	An ant-plant mutualism induces shifts in the protist community structure of a tank-bromeliad. <i>Basic and Applied Ecology</i> , 2012, 13, 698-705.	2.7	17
39	Ecological response to altered rainfall differs across the Neotropics. <i>Ecology</i> , 2020, 101, e02984.	3.2	17
40	What drives detrital decomposition in neotropical tank bromeliads?. <i>Hydrobiologia</i> , 2017, 802, 85-95.	2.0	15
41	Biotic and abiotic determinants of the formation of ant mosaics in primary Neotropical rainforests. <i>Ecological Entomology</i> , 2019, 44, 560-570.	2.2	14
42	Nest relocation and high mortality rate in a Neotropical social wasp: Impact of an exceptionally rainy La Niña year. <i>Comptes Rendus - Biologies</i> , 2010, 333, 35-40.	0.2	13
43	Species niches, not traits, determine abundance and occupancy patterns: A multi-site synthesis. <i>Global Ecology and Biogeography</i> , 2020, 29, 295-308.	5.8	13
44	Les « jardins de fourmis », une association plantes-fourmis originale. <i>L'Annee Biologique</i> , 1999, 38, 73-89.	0.2	12
45	Baseline study of the leaf-litter ant fauna in a French Guianese forest. <i>Insect Conservation and Diversity</i> , 2009, 2, 183-193.	3.0	12
46	The fire ant <i>Solenopsis saevissima</i> and habitat disturbance alter ant communities. <i>Biological Conservation</i> , 2015, 187, 145-153.	4.1	12
47	The dynamics of ant mosaics in tropical rainforests characterized using the Self-Organizing Map algorithm. <i>Insect Science</i> , 2016, 23, 630-637.	3.0	12
48	Selection and capture of prey in the African ponerine ant <i>Plectroctena minor</i> (Hymenoptera: Formicidae). <i>Journal of Animal Ecology</i> , 2011, 80, 302-311.	1.1	11
49	A temporary social parasite of tropical plant-ants improves the fitness of a myrmecophyte. <i>Die Naturwissenschaften</i> , 2010, 97, 925-934.	1.6	10
50	Unexpectedly high bacteriochlorophyll <i>a</i> concentrations in neotropical tank bromeliads. <i>Environmental Microbiology Reports</i> , 2016, 8, 689-698.	2.4	10
51	Hollow Internodes Permit a Neotropical Understory Plant to Shelter Multiple Mutualistic Ant Species, Obtaining Protection and Nutrient Provisioning (Myrmecotrophy). <i>American Naturalist</i> , 2017, 190, E124-E131.	2.1	10
52	Tank bromeliads sustain high secondary production in neotropical forests. <i>Aquatic Sciences</i> , 2018, 80, 1.	1.5	10
53	Highly modular pattern in ant-plant interactions involving specialized and non-specialized myrmecophytes. <i>Die Naturwissenschaften</i> , 2018, 105, 43.	1.6	10
54	Are ontogenetic shifts in foliar structure and resource acquisition spatially conditioned in tank-bromeliads?. <i>Botanical Journal of the Linnean Society</i> , 2014, 175, 299-312.	1.6	9

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55	Reciprocal protection from natural enemies in an ant-wasp association. <i>Comptes Rendus - Biologies</i> , 2015, 338, 255-259.	0.2	9
56	Resource availability drives bacterial succession during leaf-litter decomposition in a bromeliad ecosystem. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	2.7	9
57	Potential sources of nitrogen in an ant-garden tank-bromeliad. <i>Plant Signaling and Behavior</i> , 2009, 4, 868-870.	2.4	8
58	Ant-plant relationships in the canopy of an Amazonian rainforest: the presence of an ant mosaic. <i>Biological Journal of the Linnean Society</i> , 2018, 125, 344-354.	1.6	8
59	The hunter becomes the hunted: when cleptobiotic insects are captured by their target ants. <i>Die Naturwissenschaften</i> , 2012, 99, 265-273.	1.6	7
60	Temperature: Diet Interactions Affect Survival through Foraging Behavior in a Bromeliad-dwelling Predator. <i>Biotropica</i> , 2015, 47, 569-578.	1.6	7
61	The predatory behavior of the Neotropical social wasp <i>Polybia rejecta</i> . <i>Behavioural Processes</i> , 2017, 140, 161-168.	1.1	7
62	Simulated drought regimes reveal community resilience and hydrological thresholds for altered decomposition. <i>Oecologia</i> , 2018, 187, 267-279.	2.0	7
63	Ant-lepidopteran associations along African forest edges. <i>Die Naturwissenschaften</i> , 2017, 104, 7.	1.6	6
64	Desiccation resistance traits predict freshwater invertebrate survival and community response to drought scenarios in a Neotropical ecosystem. <i>Ecological Indicators</i> , 2020, 119, 106839.	6.3	6
65	Inherited Biotic Protection in a Neotropical Pioneer Plant. <i>PLoS ONE</i> , 2011, 6, e18071.	2.5	6
66	Traits allowing some ant species to nest syntopically with the fire ant <i>Solenopsis saevissima</i> in its native range. <i>Insect Science</i> , 2015, 22, 289-294.	3.0	5
67	A cuckoo-like parasitic moth leads African weaver ant colonies to their ruin. <i>Scientific Reports</i> , 2016, 6, 23778.	3.3	5
68	Ecological determinants of community structure across the trophic levels of freshwater food webs: a test using bromeliad phytotelmata. <i>Hydrobiologia</i> , 2020, 847, 391-402.	2.0	5
69	Assemblages of anoxygenic phototrophic bacteria in tank bromeliads exhibit a host-specific signature. <i>Journal of Ecology</i> , 2021, 109, 2550-2565.	4.0	5
70	Ant and spider species as surrogates for functional community composition of epiphyte-associated invertebrates in a tropical moist forest. <i>Ecological Indicators</i> , 2019, 96, 694-700.	6.3	4
71	An uneasy alliance: a nesting association between aggressive ants and equally fierce social wasps. <i>Insect Science</i> , 2020, 27, 122-132.	3.0	4
72	Climate influences the response of community functional traits to local conditions in bromeliad invertebrate communities. <i>Ecography</i> , 2021, 44, 440-452.	4.5	4

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73	Spatial and functional structure of an entire ant assemblage in a lowland Panamanian rainforest. <i>Basic and Applied Ecology</i> , 2021, 56, 32-44.	2.7	4
74	Reactions by army ant workers to nestmates having had contact with sympatric ant species. <i>Comptes Rendus - Biologies</i> , 2014, 337, 642-645.	0.2	3
75	Bat aggregation mediates the functional structure of ant assemblages. <i>Comptes Rendus - Biologies</i> , 2015, 338, 688-695.	0.2	3
76	A mimetic nesting association between a timid social wasp and an aggressive arboreal ant. <i>Comptes Rendus - Biologies</i> , 2018, 341, 182-188.	0.2	3
77	Ants impact the composition of the aquatic macroinvertebrate communities of a myrmecophytic tank bromeliad. <i>Comptes Rendus - Biologies</i> , 2018, 341, 200-207.	0.2	3
78	In situ resistance, not immigration, supports invertebrate community resilience to drought intensification in a Neotropical ecosystem. <i>Journal of Animal Ecology</i> , 2020, 90, 2015-2026.	2.8	3
79	Ant Gardens. , 2020, , 1-4.		3
80	Ants mediate community composition of root-associated fungi in an ant-plant mutualism. <i>Biotropica</i> , 2022, 54, 645-655.	1.6	3
81	The Weaver Wasp: Spinning Fungus into a Nest. <i>Biotropica</i> , 2010, 42, 402-404.	1.6	2
82	An arboreal spider protects its offspring by diving into the water of tank bromeliads. <i>Comptes Rendus - Biologies</i> , 2018, 341, 196-199.	0.2	2
83	Overview of regional-scale diversity patterns of freshwater algae in a Neotropical bromeliad ecosystem. <i>Freshwater Biology</i> , 2022, 67, 965-977.	2.4	2
84	Asynchronous recovery of predators and prey conditions resilience to drought in a neotropical ecosystem. <i>Scientific Reports</i> , 2022, 12, 8392.	3.3	2
85	Geographical variation in the trait-based assembly patterns of multitrophic invertebrate communities. <i>Functional Ecology</i> , 2023, 37, 73-86.	3.6	2
86	Climate change negatively affects Amazonian social wasps. <i>Biological Journal of the Linnean Society</i> , 2022, 136, 417-422.	1.6	1
87	When attempts at robbing prey turn fatal. <i>Die Naturwissenschaften</i> , 2012, 99, 579-582.	1.6	0
88	Functional redundancy dampens precipitation change impacts on species-rich invertebrate communities across the Neotropics. <i>Functional Ecology</i> , 2022, 36, 1559-1572.	3.6	0