Benoit GuÃ©nard

List of Publications by Year
in descending order

83 papers	3,853 citations	201575 27 h-index	143943 57 g-index
96 all docs	96 docs citations	96 times ranked	5297 citing authors

#	Article	IF	Citations
1	The future of hyperdiverse tropical ecosystems. Nature, 2018, 559, 517-526.	13.7	452
2	Global rise in emerging alien species results from increased accessibility of new source pools. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E2264-E2273.	3.3	416
3	Global hotspots and correlates of alien species richness across taxonomic groups. Nature Ecology and Evolution, 2017, 1, .	3.4	315
4	Climatic drivers of hemispheric asymmetry in global patterns of ant species richness. Ecology Letters, 2009, 12, 324-333.	3.0	233
5	Visualizing and interacting with large-volume biodiversity data using clientâ€“server web-mapping applications: The design and implementation of antmaps.org. Ecological Informatics, 2016, 32, 185-193.	2.3	195
6	Traitâ€based ecology of terrestrial arthropods. Biological Reviews, 2019, 94, 999-1022.	4.7	151
7	Macroecology and macroevolution of the latitudinal diversity gradient in ants. Nature Communications, 2018, 9, 1778.	5.8	133
8	Relative roles of climatic suitability and anthropogenic influence in determining the pattern of spread in a global invader. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 220-225.	3.3	128
9	Remoteness promotes biological invasions on islands worldwide. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9270-9275.	3.3	114
10	Global maps of soil temperature. Global Change Biology, 2022, 28, 3110-3144.	4.2	113
11	Urban areas may serve as habitat and corridors for dry-adapted, heat tolerant species; an example from ants. Urban Ecosystems, 2011, 14, 135-163.	1.1	103
12	Global diversity in light of climate change: the case of ants. Diversity and Distributions, 2011, 17, 652-662.	1.9	87
13	Global models of ant diversity suggest regions where new discoveries are most likely are under disproportionate deforestation threat. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7368-7373.	3.3	70
14	Reorganization of taxonomic, functional, and phylogenetic ant biodiversity after conversion to rubber plantation. Ecological Monographs, 2016, 86, 215-227.	2.4	65
15	Tracing the Rise of Ants - Out of the Ground. PLoS ONE, 2013, 8, e84012.	1.1	60
16	Breaking out of biogeographical modules: range expansion and taxon cycles in the hyperdiverse ant genus Pheidole. Journal of Biogeography, 2015, 42, 2289-2301.	1.4	57
17	Global phylogenetic structure of the hyperdiverse ant genus Pheidole reveals the repeated evolution of macroecological patterns. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20141416.	1.2	55
18	Disruption of ant-seed dispersal mutualisms by the invasive Asian needle ant (Pachycondyla chinensis). Biological Invasions, 2012, 14, 557-565.	1.2	54

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19	An updated checklist of the ants of India with their specific distributions in Indian states (Hymenoptera, Formicidae). ZooKeys, 2016, 551, 1-83.	0.5	54
20	A New (Old), Invasive Ant in the Hardwood Forests of Eastern North America and Its Potentially Widespread Impacts. PLoS ONE, 2010, 5, e11614.	1.1	50
21	A checklist of the ants of China. Zootaxa, 2012, 3558, 1.	0.2	46
22	Fineâ€scale heterogeneity across Manhattan's urban habitat mosaic is associated with variation in ant composition and richness. Insect Conservation and Diversity, 2015, 8, 216-228.	1.4	43
23	Dominanceâ€“diversity relationships in ant communities differ with invasion. Global Change Biology, 2018, 24, 4614-4625.	4.2	39
24	A global database of ant species abundances. Ecology, 2017, 98, 883-884.	1.5	37
25	Climate Change May Boost the Invasion of the Asian Needle Ant. PLoS ONE, 2013, 8, e75438.	1.1	35
26	Introduced Pheidole of the world: taxonomy, biology and distribution. ZooKeys, 2015, 543, 1-109.	0.5	35
27	High diversity in an urban habitat: are some animal assemblages resilient to long-term anthropogenic change?. Urban Ecosystems, 2015, 18, 449-463.	1.1	35
28	Timeless standards for species delimitation. Zootaxa, 2016, 4137, 121-8.	0.2	32
29	The cryptic impacts of invasion: functional homogenization of tropical ant communities by invasive fire ants. Oikos, 2020, 129, 585-597.	1.2	30
30	Integration of global fossil and modern biodiversity data reveals dynamism and stasis in ant macroecological patterns. Journal of Biogeography, 2015, 42, 2302-2312.	1.4	29
31	Evolution of the latitudinal diversity gradient in the hyperdiverse ant genus Pheidole. Global Ecology and Biogeography, 2019, 28, 456-470.	2.7	29
32	Inbreeding tolerance as a preâ€adapted trait for invasion success in the invasive ant Brachyponera chinensis. Molecular Ecology, 2018, 27, 4711-4724.	2.0	28
33	Activity niches outperform thermal physiological limits in predicting global ant distributions. Journal of Biogeography, 2020, 47, 829-842.	1.4	27
34	New records of ant species from Yunnan, China. ZooKeys, 2015, 477, 17-78.	0.5	25
35	Canopy and litter ant assemblages share similar climateâ€“species density relationships. Biology Letters, 2010, 6, 769-772.	1.0	23
36	Tandem carrying, a new foraging strategy in ants: description, function, and adaptive significance relative to other described foraging strategies. Die Naturwissenschaften, 2011, 98, 651-659.	0.6	21

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37	Influences of climate and historical land connectivity on ant beta diversity in East Asia. Journal of Biogeography, 2016, 43, 2311-2321.	1.4	21
38	Mangroves are an overlooked hotspot of insect diversity despite low plant diversity. BMC Biology, 2021, 19, 202.	1.7	21
39	Conservation implications of divergent global patterns of ant and vertebrate diversity. Diversity and Distributions, 2013, 19, 1084-1092.	1.9	20
40	Ecological and socio-economic impacts of the red import fire ant, Solenopsis invicta (Hymenoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.1	20
41	Shuffling Leaf Litter Samples Produces More Accurate and Precise Snapshots of Terrestrial Arthropod Community Composition. Environmental Entomology, 2011, 40, 1523-1529.	0.7	17
42	Choices of sampling method bias functional components estimation and ability to discriminate assembly mechanisms. Methods in Ecology and Evolution, 2019, 10, 867-878.	2.2	16
43	On the evolution of the species complex Pachycondyla chinensis (Hymenoptera: Formicidae:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 2685, 39.	0.2	16
44	Review of the genus Strumigenys (Hymenoptera, Formicidae, Myrmicinae) in Hong Kong with the description of three new species and the addition of five native and four introduced species records. ZooKeys, 2019, 831, 1-48.	0.5	15
45	Insights Into the Chinese Pangolinâ€™s (Manis pentadactyla) Diet in a Peri-Urban Habitat. Tropical Conservation Science, 2017, 10, 194008291770964.	0.6	14
46	Radiocarbon analysis reveals expanded diet breadth associates with the invasion of a predatory ant. Scientific Reports, 2017, 7, 15016.	1.6	14
47	Genomic Signature of Shifts in Selection in a Subalpine Ant and Its Physiological Adaptations. Molecular Biology and Evolution, 2020, 37, 2211-2227.	3.5	14
48	New 30â€‰m resolution Hong Kong climate, vegetation, and topography rasters indicate greater spatial variation than global grids within an urban mosaic. Earth System Science Data, 2019, 11, 1083-1098.	3.7	14
49	High Diversity in Urban Areas: How Comprehensive Sampling Reveals High Ant Species Richness within One of the Most Urbanized Regions of the World. Diversity, 2021, 13, 358.	0.7	13
50	Geographic Gradients. , 2009, , 38-58.		12
51	Intraspecific Thievery in the Ant Ectatomma ruidum is Mediated by Food Availability. Biotropica, 2013, 45, 497-502.	0.8	12
52	Ants of North Carolina: an updated list (Hymenoptera: Formicidae). Zootaxa, 2012, 3552, 1.	0.2	11
53	Global and Temporal Spread of a Taxonomically Challenging Invasive ant, Brachyponera chinensis (Hymenoptera: Formicidae). Florida Entomologist, 2018, 101, 649.	0.2	11
54	Secondary forest succession buffers extreme temperature impacts on subtropical Asian ants. Ecological Monographs, 2021, 91, e01480.	2.4	10

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55	Extreme polygyny in the previously unstudied subtropical ant Temnothorax tuscaloosae with implications for the biogeographic study of the evolution of polygyny. Insectes Sociaux, 2016, 63, 543-551.	0.7	9
56	Toward understanding the predatory ant genus Myopias (Formicidae: Ponerinae), including a key to global species, male-based generic diagnosis, and new species description. Sociobiology, 2015, 62, .	0.2	9
57	ATLANTIC ANTS: a data set of ants in Atlantic Forests of South America. Ecology, 2022, 103, e03580.	1.5	9
58	Testing the reliability and ecological implications of ramping rates in the measurement of Critical Thermal maximum. PLoS ONE, 2022, 17, e0265361.	1.1	9
59	Checklist of the ants (Hymenoptera, Formicidae) of the Solomon Islands and a new survey of Makira Island. ZooKeys, 2013, 257, 47-88.	0.5	8
60	The ecological implications of rubberâ€based agroforestry: Insect conservation and invasion control. Journal of Applied Ecology, 2020, 57, 1605-1618.	1.9	8
61	Evaluating the conservation value of sacred forests for ant taxonomic, functional and phylogenetic diversity in highly degraded landscapes. Biological Conservation, 2021, 261, 109286.	1.9	8
62	Warm and arid regions of the world are hotspots of superorganism complexity. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20211899.	1.2	8
63	Molecular phylogenetic analysis and morphological reassessments of thief ants identify a new potential case of biological invasions. Scientific Reports, 2020, 10, 12040.	1.6	7
64	Leptanilla hypodracos sp. n., a new species of the cryptic ant genus Leptanilla (Hymenoptera,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 species. ZooKeys, 2016, 551, 129-144.	0.5	7
65	Assembling a speciesâ€“area curve through colonization, speciation and humanâ€mediated introduction. Journal of Biogeography, 2017, 44, 1088-1097.	1.4	6
66	Ants of the Hengduan Mountains: a new altitudinal survey and updated checklist for Yunnan Province highlight an understudied insect biodiversity hotspot. ZooKeys, 2020, 978, 1-171.	0.5	6
67	Traitâ€similarity and traitâ€hierarchy jointly determine fineâ€scale spatial associations of resident and invasive ant species. Ecography, 2021, 44, 589-601.	2.1	6
68	Rediscovery of the rare ant genus Bannapone (Hymenoptera: Formicidae:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	0.2	5
69	Omnivorous ants are less carnivorous and more proteinâ€limited in exotic plantations. Journal of Animal Ecology, 2020, 89, 1941-1951.	1.3	5
70	Additions to the checklist of the ants (Hymenoptera: Formicidae) of Peru. Zootaxa, 2015, 4040, 225.	0.2	4
71	Ant body size mediates functional performance and species interactions in carrion decomposer communities. Functional Ecology, 2022, 36, 1279-1291.	1.7	4
72	May furtive predation provide enemy free space in ant-tended aphid colonies?. PLoS ONE, 2018, 13, e0204019.	1.1	3

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73	Alien ants (Hymenoptera: Formicidae) in Mexico: the first database of records. Biological Invasions, 2021, 23, 1669-1680.	1.2	3
74	A new subterranean species and an updated checklist of Strumigenys (Hymenoptera, Formicidae) from Macao SAR, China, with a key to species of the Greater Bay Area. ZooKeys, 2020, 970, 63-116.	0.5	3
75	A largeâ€scale assessment of ant diversity across the Brazilian Amazon Basin: integrating geographic, ecological and morphological drivers of sampling bias. Ecography, 2022, 2022, .	2.1	3
76	Aenictus seletarius, a New Species of Hypogaeic Army Ant from Singapore, with an Updated Key to theAenictus minutulusSpecies Group (Hymenoptera: Formicidae: Dorylinae) from Southeast Asia. Annales Zoologici, 2016, 66, 35-42.	0.1	2
77	The ant genus Myopias Roger, 1861 (Hymenoptera: Formicidae: Ponerinae) in Thailand, with descriptions of three new species. Zootaxa, 2018, 4526, 151-174.	0.2	2
78	Taxonomic revision of the genus Ponera Latreille, 1804 (Hymenoptera: Formicidae) of Taiwan and Japan, with a key to East Asian species. Zootaxa, 2019, 4594, 1.	0.2	2
79	Diversity begets diversity: Low resource heterogeneity reduces the diversity of nutâ€nesting ants in rubber plantations. Insect Science, 2022, 29, 932-941.	1.5	2
80	Trait-mediated competition drives an ant invasion and alters functional diversity. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, .	1.2	2
81	Subterranean Ants. , 2021, , 901-906.		1
82	Adventures Among Ants: A Global Safari With a Cast of Trillions. Mark W. Moffett.. Integrative and Comparative Biology, 2010, 50, 914-914.	0.9	0
83	Subterranean Ants. , 2020, , 1-6.		0