

Benoit GuÃ©nard

List of Publications by Year in descending order

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Version: 2024-02-01

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	Diversity begets diversity: Low resource heterogeneity reduces the diversity of nesting ants in rubber plantations. <i>Insect Science</i> , 2022, 29, 932-941.	1.5	2
2	ATLANTIC ANTS: a data set of ants in Atlantic Forests of South America. <i>Ecology</i> , 2022, 103, e03580.	1.5	9
3	Warm and arid regions of the world are hotspots of superorganism complexity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20211899.	1.2	8
4	Global maps of soil temperature. <i>Global Change Biology</i> , 2022, 28, 3110-3144.	4.2	113
5	Ant body size mediates functional performance and species interactions in carrion decomposer communities. <i>Functional Ecology</i> , 2022, 36, 1279-1291.	1.7	4
6	Testing the reliability and ecological implications of ramping rates in the measurement of Critical Thermal maximum. <i>PLoS ONE</i> , 2022, 17, e0265361.	1.1	9
7	A large-scale assessment of ant diversity across the Brazilian Amazon Basin: integrating geographic, ecological and morphological drivers of sampling bias. <i>Ecography</i> , 2022, 2022, .	2.1	3
8	Trait-mediated competition drives an ant invasion and alters functional diversity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, .	1.2	2
9	Subterranean Ants. , 2021, , 901-906.		1
10	High Diversity in Urban Areas: How Comprehensive Sampling Reveals High Ant Species Richness within One of the Most Urbanized Regions of the World. <i>Diversity</i> , 2021, 13, 358.	0.7	13
11	Secondary forest succession buffers extreme temperature impacts on subtropical Asian ants. <i>Ecological Monographs</i> , 2021, 91, e01480.	2.4	10
12	Mangroves are an overlooked hotspot of insect diversity despite low plant diversity. <i>BMC Biology</i> , 2021, 19, 202.	1.7	21
13	Evaluating the conservation value of sacred forests for ant taxonomic, functional and phylogenetic diversity in highly degraded landscapes. <i>Biological Conservation</i> , 2021, 261, 109286.	1.9	8
14	Alien ants (Hymenoptera: Formicidae) in Mexico: the first database of records. <i>Biological Invasions</i> , 2021, 23, 1669-1680.	1.2	3
15	Trait-similarity and trait-hierarchy jointly determine fine-scale spatial associations of resident and invasive ant species. <i>Ecography</i> , 2021, 44, 589-601.	2.1	6
16	Ecological and socio-economic impacts of the red import fire ant, <i>Solenopsis invicta</i> (Hymenoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.1	20
17	The cryptic impacts of invasion: functional homogenization of tropical ant communities by invasive fire ants. <i>Oikos</i> , 2020, 129, 585-597.	1.2	30
18	Molecular phylogenetic analysis and morphological reassessments of thief ants identify a new potential case of biological invasions. <i>Scientific Reports</i> , 2020, 10, 12040.	1.6	7

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19	Omnivorous ants are less carnivorous and more protein-limited in exotic plantations. <i>Journal of Animal Ecology</i> , 2020, 89, 1941-1951.	1.3	5
20	The ecological implications of rubber-based agroforestry: Insect conservation and invasion control. <i>Journal of Applied Ecology</i> , 2020, 57, 1605-1618.	1.9	8
21	Genomic Signature of Shifts in Selection in a Subalpine Ant and Its Physiological Adaptations. <i>Molecular Biology and Evolution</i> , 2020, 37, 2211-2227.	3.5	14
22	Activity niches outperform thermal physiological limits in predicting global ant distributions. <i>Journal of Biogeography</i> , 2020, 47, 829-842.	1.4	27
23	A new subterranean species and an updated checklist of <i>Strumigenys</i> (Hymenoptera, Formicidae) from Macao SAR, China, with a key to species of the Greater Bay Area. <i>ZooKeys</i> , 2020, 970, 63-116.	0.5	3
24	Ants of the Hengduan Mountains: a new altitudinal survey and updated checklist for Yunnan Province highlight an understudied insect biodiversity hotspot. <i>ZooKeys</i> , 2020, 978, 1-171.	0.5	6
25	Subterranean Ants. , 2020, , 1-6.		0
26	Taxonomic revision of the genus <i>Ponera</i> Latreille, 1804 (Hymenoptera: Formicidae) of Taiwan and Japan, with a key to East Asian species. <i>Zootaxa</i> , 2019, 4594, 1.	0.2	2
27	Choices of sampling method bias functional components estimation and ability to discriminate assembly mechanisms. <i>Methods in Ecology and Evolution</i> , 2019, 10, 867-878.	2.2	16
28	Trait-based ecology of terrestrial arthropods. <i>Biological Reviews</i> , 2019, 94, 999-1022.	4.7	151
29	Evolution of the latitudinal diversity gradient in the hyperdiverse ant genus <i>Pheidole</i> . <i>Global Ecology and Biogeography</i> , 2019, 28, 456-470.	2.7	29
30	Review of the genus <i>Strumigenys</i> (Hymenoptera, Formicidae, Myrmicinae) in Hong Kong with the description of three new species and the addition of five native and four introduced species records. <i>ZooKeys</i> , 2019, 831, 1-48.	0.5	15
31	New 30m resolution Hong Kong climate, vegetation, and topography rasters indicate greater spatial variation than global grids within an urban mosaic. <i>Earth System Science Data</i> , 2019, 11, 1083-1098.	3.7	14
32	Global rise in emerging alien species results from increased accessibility of new source pools. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2264-E2273.	3.3	416
33	Macroecology and macroevolution of the latitudinal diversity gradient in ants. <i>Nature Communications</i> , 2018, 9, 1778.	5.8	133
34	The ant genus <i>Myopias</i> Roger, 1861 (Hymenoptera: Formicidae: Ponerinae) in Thailand, with descriptions of three new species. <i>Zootaxa</i> , 2018, 4526, 151-174.	0.2	2
35	May furtive predation provide enemy free space in ant-tended aphid colonies?. <i>PLoS ONE</i> , 2018, 13, e0204019.	1.1	3
36	Inbreeding tolerance as a pre-adapted trait for invasion success in the invasive ant <i>Brachyponera chinensis</i> . <i>Molecular Ecology</i> , 2018, 27, 4711-4724.	2.0	28

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37	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
38	Dominance–diversity relationships in ant communities differ with invasion. Global Change Biology, 2018, 24, 4614-4625.	4.2	39
39	The future of hyperdiverse tropical ecosystems. Nature, 2018, 559, 517-526.	13.7	452
40	Global and Temporal Spread of a Taxonomically Challenging Invasive ant, <i>Brachyponera chinensis</i> (Hymenoptera: Formicidae). Florida Entomologist, 2018, 101, 649.	0.2	11
41	Global hotspots and correlates of alien species richness across taxonomic groups. Nature Ecology and Evolution, 2017, 1, .	3.4	315
42	A global database of ant species abundances. Ecology, 2017, 98, 883-884.	1.5	37
43	Insights Into the Chinese Pangolin’s (<i>Manis pentadactyla</i>) Diet in a Peri-Urban Habitat. Tropical Conservation Science, 2017, 10, 194008291770964.	0.6	14
44	Radiocarbon analysis reveals expanded diet breadth associates with the invasion of a predatory ant. Scientific Reports, 2017, 7, 15016.	1.6	14
45	Assembling a species–area curve through colonization, speciation and human-mediated introduction. Journal of Biogeography, 2017, 44, 1088-1097.	1.4	6
46	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
47	Reorganization of taxonomic, functional, and phylogenetic ant biodiversity after conversion to rubber plantation. Ecological Monographs, 2016, 86, 215-227.	2.4	65
48	Timeless standards for species delimitation. Zootaxa, 2016, 4137, 121-8.	0.2	32
49	Influences of climate and historical land connectivity on ant beta diversity in East Asia. Journal of Biogeography, 2016, 43, 2311-2321.	1.4	21
50	<i>Aenictus seletarius</i> , a New Species of Hypogaecic Army Ant from Singapore, with an Updated Key to the <i>Aenictus minutulus</i> Species Group (Hymenoptera: Formicidae: Dorylinae) from Southeast Asia. Annales Zoologici, 2016, 66, 35-42.	0.1	2
51	Extreme polygyny in the previously unstudied subtropical ant <i>Temnothorax tuscaloosae</i> with implications for the biogeographic study of the evolution of polygyny. Insectes Sociaux, 2016, 63, 543-551.	0.7	9
52	Visualizing and interacting with large-volume biodiversity data using client–server web-mapping applications: The design and implementation of antmaps.org. Ecological Informatics, 2016, 32, 185-193.	2.3	195
53	<i>Leptanilla hypodracos</i> sp. n., a new species of the cryptic ant genus <i>Leptanilla</i> (Hymenoptera,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T species. ZooKeys, 2016, 551, 129-144.	0.5	7
54	Breaking out of biogeographical modules: range expansion and taxon cycles in the hyperdiverse ant genus <i>Pheidole</i> . Journal of Biogeography, 2015, 42, 2289-2301.	1.4	57

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55	Integration of global fossil and modern biodiversity data reveals dynamism and stasis in ant macroecological patterns. <i>Journal of Biogeography</i> , 2015, 42, 2302-2312.	1.4	29
56	Additions to the checklist of the ants (Hymenoptera: Formicidae) of Peru. <i>Zootaxa</i> , 2015, 4040, 225.	0.2	4
57	Introduced Pheidole of the world: taxonomy, biology and distribution. <i>ZooKeys</i> , 2015, 543, 1-109.	0.5	35
58	High diversity in an urban habitat: are some animal assemblages resilient to long-term anthropogenic change?. <i>Urban Ecosystems</i> , 2015, 18, 449-463.	1.1	35
59	New records of ant species from Yunnan, China. <i>ZooKeys</i> , 2015, 477, 17-78.	0.5	25
60	Global phylogenetic structure of the hyperdiverse ant genus <i>Pheidole</i> reveals the repeated evolution of macroecological patterns. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20141416.	1.2	55
61	Fine-scale heterogeneity across Manhattan's urban habitat mosaic is associated with variation in ant composition and richness. <i>Insect Conservation and Diversity</i> , 2015, 8, 216-228.	1.4	43
62	Toward understanding the predatory ant genus <i>Myopias</i> (Formicidae: Ponerinae), including a key to global species, male-based generic diagnosis, and new species description. <i>Sociobiology</i> , 2015, 62, .	0.2	9
63	Intraspecific Thievery in the Ant <i>Ectatomma ruidum</i> is Mediated by Food Availability. <i>Biotropica</i> , 2013, 45, 497-502.	0.8	12
64	Conservation implications of divergent global patterns of ant and vertebrate diversity. <i>Diversity and Distributions</i> , 2013, 19, 1084-1092.	1.9	20
65	Checklist of the ants (Hymenoptera, Formicidae) of the Solomon Islands and a new survey of Makira Island. <i>ZooKeys</i> , 2013, 257, 47-88.	0.5	8
66	Climate Change May Boost the Invasion of the Asian Needle Ant. <i>PLoS ONE</i> , 2013, 8, e75438.	1.1	35
67	Rediscovery of the rare ant genus Bannapone (Hymenoptera: Formicidae: Tj ETQq1 1 0.784314rgBT /Qverlock 0,2 5	0.2	5
68	Tracing the Rise of Ants - Out of the Ground. <i>PLoS ONE</i> , 2013, 8, e84012.	1.1	60
69	Global models of ant diversity suggest regions where new discoveries are most likely are under disproportionate deforestation threat. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 7368-7373.	3.3	70
70	A checklist of the ants of China. <i>Zootaxa</i> , 2012, 3558, 1.	0.2	46
71	Ants of North Carolina: an updated list (Hymenoptera: Formicidae). <i>Zootaxa</i> , 2012, 3552, 1.	0.2	11
72	Disruption of ant-seed dispersal mutualisms by the invasive Asian needle ant (<i>Pachycondyla chinensis</i>). <i>Biological Invasions</i> , 2012, 14, 557-565.	1.2	54

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73	Global diversity in light of climate change: the case of ants. <i>Diversity and Distributions</i> , 2011, 17, 652-662.	1.9	87
74	Urban areas may serve as habitat and corridors for dry-adapted, heat tolerant species; an example from ants. <i>Urban Ecosystems</i> , 2011, 14, 135-163.	1.1	103
75	Tandem carrying, a new foraging strategy in ants: description, function, and adaptive significance relative to other described foraging strategies. <i>Die Naturwissenschaften</i> , 2011, 98, 651-659.	0.6	21
76	Shuffling Leaf Litter Samples Produces More Accurate and Precise Snapshots of Terrestrial Arthropod Community Composition. <i>Environmental Entomology</i> , 2011, 40, 1523-1529.	0.7	17
77	Relative roles of climatic suitability and anthropogenic influence in determining the pattern of spread in a global invader. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 220-225.	3.3	128
78	Canopy and litter ant assemblages share similar climate-species density relationships. <i>Biology Letters</i> , 2010, 6, 769-772.	1.0	23
79	Adventures Among Ants: A Global Safari With a Cast of Trillions. Mark W. Moffett. <i>Integrative and Comparative Biology</i> , 2010, 50, 914-914.	0.9	0
80	On the evolution of the species complex <i>Pachycondyla chinensis</i> (Hymenoptera: Formicidae). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467</i> 2685, 39.	0.2	16
81	A New (Old), Invasive Ant in the Hardwood Forests of Eastern North America and Its Potentially Widespread Impacts. <i>PLoS ONE</i> , 2010, 5, e11614.	1.1	50
82	Climatic drivers of hemispheric asymmetry in global patterns of ant species richness. <i>Ecology Letters</i> , 2009, 12, 324-333.	3.0	233
83	Geographic Gradients. , 2009, , 38-58.		12