

Andrew Barnes

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

2,337
citations

304743

22
h-index

361022

35
g-index

43
all docs

43
docs citations

43
times ranked

3334
citing authors

#	ARTICLE	IF	CITATIONS
1	Consequences of tropical land use for multitrophic biodiversity and ecosystem functioning. <i>Nature Communications</i> , 2014, 5, 5351.	12.8	273
2	A review of the ecosystem functions in oil palm plantations, using forests as a reference system. <i>Biological Reviews</i> , 2017, 92, 1539-1569.	10.4	222
3	Energy Flux: The Link between Multitrophic Biodiversity and Ecosystem Functioning. <i>Trends in Ecology and Evolution</i> , 2018, 33, 186-197.	8.7	195
4	Land-use choices follow profitability at the expense of ecological functions in Indonesian smallholder landscapes. <i>Nature Communications</i> , 2016, 7, 13137.	12.8	186
5	Predator traits determine food-web architecture across ecosystems. <i>Nature Ecology and Evolution</i> , 2019, 3, 919-927.	7.8	157
6	Trade-offs between multifunctionality and profit in tropical smallholder landscapes. <i>Nature Communications</i> , 2020, 11, 1186.	12.8	156
7	Direct and cascading impacts of tropical land-use change on multi-trophic biodiversity. <i>Nature Ecology and Evolution</i> , 2017, 1, 1511-1519.	7.8	137
8	Biodiversityâ€™ecosystem function experiments reveal the mechanisms underlying the consequences of biodiversity change in real world ecosystems. <i>Journal of Vegetation Science</i> , 2016, 27, 1061-1070.	2.2	107
9	A multitrophic perspective on biodiversityâ€™ecosystem functioning research. <i>Advances in Ecological Research</i> , 2019, 61, 1-54.	2.7	95
10	A niche for ecosystem multifunctionality in global change research. <i>Global Change Biology</i> , 2019, 25, 763-774.	9.5	80
11	Warming alters energetic structure and function but not resilience of soil food webs. <i>Nature Climate Change</i> , 2017, 7, 895-900.	18.8	75
12	Biodiversity enhances the multitrophic control of arthropod herbivory. <i>Science Advances</i> , 2020, 6, .	10.3	68
13	Species richness and biomass explain spatial turnover in ecosystem functioning across tropical and temperate ecosystems. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150279.	4.0	66
14	Transferring biodiversity-ecosystem function research to the management of â€™real-worldâ€™ ecosystems. <i>Advances in Ecological Research</i> , 2019, 61, 323-356.	2.7	51
15	<i>fluxweb</i> : An R package to easily estimate energy fluxes in food webs. <i>Methods in Ecology and Evolution</i> , 2019, 10, 270-279.	5.2	49
16	Functional diversity and stability of litter-invertebrate communities following land-use change in Sumatra, Indonesia. <i>Biological Conservation</i> , 2015, 191, 750-758.	4.1	47
17	Decreasing Stoichiometric Resource Quality Drives Compensatory Feeding across Trophic Levels in Tropical Litter Invertebrate Communities. <i>American Naturalist</i> , 2017, 190, 131-143.	2.1	43
18	Matrix habitat restoration alters dung beetle species responses across tropical forest edges. <i>Biological Conservation</i> , 2014, 170, 28-37.	4.1	40

#	ARTICLE	IF	CITATIONS
19	Applying generalized allometric regressions to predict live body mass of tropical and temperate arthropods. <i>Ecology and Evolution</i> , 2018, 8, 12737-12749.	1.9	37
20	Functional losses in ground spider communities due to habitat structure degradation under tropical land-use change. <i>Ecology</i> , 2020, 101, e02957.	3.2	33
21	Spatial and Temporal Scales Matter When Assessing the Species and Genetic Diversity of Springtails (Collembola) in Antarctica. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	2.2	28
22	Dispersal traits determine passive restoration trajectory of a Nigerian montane forest. <i>Acta Oecologica</i> , 2014, 56, 32-40.	1.1	27
23	Resource stoichiometry and availability modulate species richness and biomass of tropical litter macroinvertebrates. <i>Journal of Animal Ecology</i> , 2017, 86, 1114-1123.	2.8	22
24	Environmental and anthropogenic constraints on animal space use drive extinction risk worldwide. <i>Ecology Letters</i> , 2021, 24, 2576-2585.	6.4	19
25	The Role of Species Traits in Mediating Functional Recovery during Matrix Restoration. <i>PLoS ONE</i> , 2014, 9, e115385.	2.5	18
26	Individual behaviour mediates effects of warming on movement across a fragmented landscape. <i>Functional Ecology</i> , 2015, 29, 1543-1552.	3.6	16
27	Mapping change in biodiversity and ecosystem function research: food webs foster integration of experiments and science policy. <i>Advances in Ecological Research</i> , 2019, , 297-322.	2.7	16
28	For flux's sake: General considerations for energy flux calculations in ecological communities. <i>Ecology and Evolution</i> , 2021, 11, 12948-12969.	1.9	15
29	Future climate and land-use intensification modify arthropod community structure. <i>Agriculture, Ecosystems and Environment</i> , 2022, 327, 107830.	5.3	15
30	A network perspective for sustainable agroecosystems. <i>Trends in Plant Science</i> , 2022, 27, 769-780.	8.8	11
31	Contrasting effects of plant diversity on $\delta^{15}N$ and $\delta^{13}C$ diversity of grassland invertebrates. <i>Ecology</i> , 2020, 101, e03057.	3.2	6
32	Forest fragmentation and biodiversity conservation in human-dominated landscapes.. , 2014, , 28-49.		6
33	Depth-differentiated, multivariate control of biopore number under different land-use practices. <i>Geoderma</i> , 2022, 418, 115852.	5.1	6
34	Habitat provision is a major driver of native bird communities in restored urban forests. <i>Journal of Animal Ecology</i> , 2022, 91, 1444-1457.	2.8	5
35	Plant functional trait identity and diversity effects on soil meso- and macrofauna in an experimental grassland. <i>Advances in Ecological Research</i> , 2019, , 163-184.	2.7	4
36	Functional group-dependent responses of forest bird communities to invasive predator control and habitat fragmentation. <i>Diversity and Distributions</i> , 2022, 28, 1298-1312.	4.1	1

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37	Ground Spider Communities Under Tropical Land Use Change. Bulletin of the Ecological Society of America, 2020, 101, e01668.	0.2	0
38	Is Arthropod Biodiversity on the Rainforest Floor Threatened by Rubber and Palm-Oil Plantations?. Frontiers for Young Minds, 0, 6, .	0.8	0