

Colin Fontaine

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

4,744
citations

186265

28
h-index

189892

50
g-index

54
all docs

54
docs citations

54
times ranked

6720
citing authors

#	ARTICLE	IF	CITATIONS
1	Stability of Ecological Communities and the Architecture of Mutualistic and Trophic Networks. <i>Science</i> , 2010, 329, 853-856.	12.6	1,306
2	Functional Diversity of Plant-Pollinator Interaction Webs Enhances the Persistence of Plant Communities. <i>PLoS Biology</i> , 2005, 4, e1.	5.6	438
3	Ecophylogenetics: advances and perspectives. <i>Biological Reviews</i> , 2012, 87, 769-785.	10.4	341
4	The ecological and evolutionary implications of merging different types of networks. <i>Ecology Letters</i> , 2011, 14, 1170-1181.	6.4	332
5	Artificial light at night as a new threat to pollination. <i>Nature</i> , 2017, 548, 206-209.	27.8	313
6	Advancing our understanding of ecological stability. <i>Ecology Letters</i> , 2019, 22, 1349-1356.	6.4	147
7	Generalist foraging of pollinators: diet expansion at high density. <i>Journal of Ecology</i> , 2008, 96, 1002-1010.	4.0	145
8	Large-scale trade-off between agricultural intensification and crop pollination services. <i>Frontiers in Ecology and the Environment</i> , 2014, 12, 212-217.	4.0	144
9	The Whereabouts of Flower Visitors: Contrasting Land-Use Preferences Revealed by a Country-Wide Survey Based on Citizen Science. <i>PLoS ONE</i> , 2012, 7, e45822.	2.5	106
10	Structure-stability relationships in networks combining mutualistic and antagonistic interactions. <i>Oikos</i> , 2014, 123, 378-384.	2.7	101
11	Functional homogenization of flower visitor communities with urbanization. <i>Ecology and Evolution</i> , 2016, 6, 1967-1976.	1.9	100
12	Which 2:1 clay minerals are involved in the soil potassium reservoir? Insights from potassium addition or removal experiments on three temperate grassland soil clay assemblages. <i>Geoderma</i> , 2008, 146, 216-223.	5.1	89
13	New Species in the Old World: Europe as a Frontier in Biodiversity Exploration, a Test Bed for 21st Century Taxonomy. <i>PLoS ONE</i> , 2012, 7, e36881.	2.5	87
14	Are insect pollinators more generalist than insect herbivores?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 3027-3033.	2.6	75
15	Wild pollinator activity negatively related to honey bee colony densities in urban context. <i>PLoS ONE</i> , 2019, 14, e0222316.	2.5	73
16	Altitudinal, temporal and trophic partitioning of flower-visitors in Alpine communities. <i>Scientific Reports</i> , 2018, 8, 4706.	3.3	68
17	Evolutionary History and Ecological Processes Shape a Local Multilevel Antagonistic Network. <i>Current Biology</i> , 2013, 23, 1355-1359.	3.9	56
18	How plants connect pollination and herbivory networks and their contribution to community stability. <i>Ecology</i> , 2016, 97, 908-917.	3.2	55

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19	POPULATION SYNCHRONY INDUCED BY RESOURCE FLUCTUATIONS AND DISPERSAL IN AN AQUATIC MICROCOSM. <i>Ecology</i> , 2005, 86, 1463-1471.	3.2	46
20	The Visualisation of Ecological Networks, and Their Use as a Tool for Engagement, Advocacy and Management. <i>Advances in Ecological Research</i> , 2016, , 41-85.	2.7	45
21	Does asymmetric specialization differ between mutualistic and trophic networks?. <i>Oikos</i> , 2008, 117, 555-563.	2.7	43
22	10 Years Later. <i>Advances in Ecological Research</i> , 2015, 53, 1-53.	2.7	43
23	Urbanization and agricultural intensification destabilize animal communities differently than diversity loss. <i>Nature Communications</i> , 2020, 11, 2686.	12.8	39
24	FORUM: Sustaining ecosystem functions in a changing world: a call for an integrated approach. <i>Journal of Applied Ecology</i> , 2013, 50, 1124-1130.	4.0	37
25	Fostering close encounters of the entomological kind. <i>Frontiers in Ecology and the Environment</i> , 2018, 16, 202-203.	4.0	37
26	Are empidine dance flies major flower visitors in alpine environments? A case study in the Alps, France. <i>Biology Letters</i> , 2014, 10, 20140742.	2.3	36
27	Long-term effects of global change on occupancy and flight period of wild bees in Belgium. <i>Global Change Biology</i> , 2020, 26, 6753-6766.	9.5	36
28	Not just honeybees: predatory habits of <i>Vespa velutina</i> (Hymenoptera: Vespidae) in France. <i>Annales De La Societe Entomologique De France</i> , 2021, 57, 1-11.	0.9	34
29	Comparing the conservatism of ecological interactions in plant-pollinator and plant-herbivore networks. <i>Population Ecology</i> , 2015, 57, 29-36.	1.2	31
30	Evaluation of landscape connectivity at community level using satellite-derived NDVI. <i>Landscape Ecology</i> , 2013, 28, 95-105.	4.2	29
31	How plants connect pollination and herbivory networks and their contribution to community stability. <i>Ecology</i> , 2016, 97, 908-17.	3.2	29
32	Relative effects of anthropogenic pressures, climate, and sampling design on the structure of pollination networks at the global scale. <i>Global Change Biology</i> , 2021, 27, 1266-1280.	9.5	27
33	Rush hours in flower visitors over a day-night cycle. <i>Insect Conservation and Diversity</i> , 2018, 11, 267-275.	3.0	26
34	Beyond species richness and biomass: Impact of selective logging and silvicultural treatments on the functional composition of a neotropical forest. <i>Forest Ecology and Management</i> , 2019, 433, 528-534.	3.2	23
35	Evolution of Compatibility Range in the Rice-Magnaporthe oryzae System: An Uneven Distribution of R Genes Between Rice Subspecies. <i>Phytopathology</i> , 2016, 106, 348-354.	2.2	21
36	Species richness and food web structure jointly drive community biomass and its temporal stability in fish communities. <i>Ecology Letters</i> , 2021, 24, 2364-2377.	6.4	19

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37	Relative importance of the land-use composition and intensity for the bird community composition in anthropogenic landscapes. <i>Ecology and Evolution</i> , 2017, 7, 10513-10535.	1.9	18
38	Are island and mainland biotas different? Richness and level of generalism in parasitoids of a microlepidopteran in Macaronesia. <i>Oikos</i> , 2011, 120, 1256-1262.	2.7	17
39	Fixism and conservation science. <i>Conservation Biology</i> , 2017, 31, 781-788.	4.7	16
40	Floral morphology as the main driver of flower-feeding insect occurrences in the Paris region. <i>Urban Ecosystems</i> , 2018, 21, 585-598.	2.4	16
41	Do amateurs and citizen science fill the gaps left by scientists?. <i>Current Opinion in Insect Science</i> , 2021, 46, 83-87.	4.4	16
42	Abundant equals nested. <i>Nature</i> , 2013, 500, 411-412.	27.8	15
43	Stability of a diamond-shaped module with multiple interaction types. <i>Theoretical Ecology</i> , 2016, 9, 27-37.	1.0	15
44	New indices for rapid assessment of pollination services based on crop yield data: France as a case study. <i>Ecological Indicators</i> , 2019, 101, 355-363.	6.3	12
45	Fitness effects of plasmids shape the structure of bacteria-plasmid interaction networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	11
46	Weeds from non-flowering crops as potential contributors to oilseed rape pollination. <i>Agriculture, Ecosystems and Environment</i> , 2022, 336, 108026.	5.3	9
47	Phenological traits foster persistence of mutualistic networks by promoting facilitation. <i>Ecology Letters</i> , 2021, 24, 2088-2099.	6.4	8
48	Empidine dance flies pollinate the woodland geranium as effectively as bees. <i>Biology Letters</i> , 2019, 15, 20190230.	2.3	7
49	Miss-identification detection in citizen science platform for biodiversity monitoring using machine learning. <i>Ecological Informatics</i> , 2020, 60, 101176.	5.2	3
50	Online data sharing with virtual social interactions favor scientific and educational successes in a biodiversity citizen science project. <i>Journal of Responsible Innovation</i> , 2023, 10, .	4.9	3
51	Merging Antagonistic and Mutualistic Bipartite Webs: A First Step to Integrate Interaction Diversity into Network Approaches. , 0, , 62-72.		1
52	Wasteland, a Refuge for Biodiversity, for Humanity. <i>Cities and Nature</i> , 2021, , 87-112.	1.0	0