

Nicolas Loeuille

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,896
citations

279798

23
h-index

197818

49
g-index

112
all docs

112
docs citations

112
times ranked

4139
citing authors

#	ARTICLE	IF	CITATIONS
1	Stable coexistence in plant-pollinator-herbivore communities requires balanced mutualistic vs antagonistic interactions. <i>Ecological Modelling</i> , 2022, 465, 109857.	2.5	3
2	Eco-evolutionary dynamics further weakens mutualistic interaction and coexistence under population decline. <i>Evolutionary Ecology</i> , 2022, 36, 373-387.	1.2	7
3	Collapse and rescue of evolutionary food webs under global warming. <i>Journal of Animal Ecology</i> , 2021, 90, 710-722.	2.8	13
4	Size-dependent eco-evolutionary feedbacks in harvested systems. <i>Oikos</i> , 2021, 130, 1636-1649.	2.7	8
5	An individual-based model for the eco-evolutionary emergence of bipartite interaction networks. <i>Ecology Letters</i> , 2020, 23, 1623-1634.	6.4	22
6	Meeting Yield and Conservation Objectives by Harvesting Both Juveniles and Adults. <i>American Naturalist</i> , 2019, 193, 373-390.	2.1	10
7	From apparent competition to facilitation: Impacts of consumer niche construction on the coexistence and stability of consumer-resource communities. <i>Functional Ecology</i> , 2019, 33, 1746-1757.	3.6	4
8	Ecosystem tipping points in an evolving world. <i>Nature Ecology and Evolution</i> , 2019, 3, 355-362.	7.8	203
9	Metastasis and the evolution of dispersal. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20192186.	2.6	12
10	Simulated evolution assembles more realistic food webs with more functionally similar species than invasion. <i>Scientific Reports</i> , 2019, 9, 18242.	3.3	6
11	From antagonistic larvae to mutualistic adults: coevolution of diet niches within life cycles. <i>Oikos</i> , 2019, 128, 392-404.	2.7	5
12	Eco-evolutionary dynamics in a disturbed world: implications for the maintenance of ecological networks. <i>Frontiers in Ecology and the Environment</i> , 2019, 8, 97.	1.6	12
13	Facilitation vs. competition-driven succession: the key role of resource ratio. <i>Ecology Letters</i> , 2018, 21, 1010-1021.	6.4	33
14	Parasitism effects on coexistence and stability within simple trophic modules. <i>Journal of Theoretical Biology</i> , 2018, 458, 68-77.	1.7	8
15	Multidimensionality of plant defenses and herbivore niches: Implications for eco-evolutionary dynamics. <i>Journal of Theoretical Biology</i> , 2018, 445, 110-119.	1.7	4
16	Balancing yield with resilience and conservation objectives in harvested predator-prey communities. <i>Oikos</i> , 2017, 126, 1780-1789.	2.7	32
17	14 Questions for Invasion in Ecological Networks. <i>Advances in Ecological Research</i> , 2017, , 293-340.	2.7	15
18	Impacts of Invasive Species on Food Webs. <i>Advances in Ecological Research</i> , 2017, , 1-60.	2.7	222

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19	Impact of temperature shifts on the joint evolution of seed dormancy and size. <i>Ecology and Evolution</i> , 2017, 7, 26-37.	1.9	14
20	Effects of plant evolution on nutrient cycling couple aboveground and belowground processes. <i>Theoretical Ecology</i> , 2017, 10, 117-127.	1.0	1
21	Evolutionary response of plant interaction traits to nutrient enrichment modifies the assembly and structure of antagonistic-mutualistic communities. <i>Journal of Ecology</i> , 2016, 104, 193-205.	4.0	6
22	Strategies of offspring investment and dispersal in a spatially structured environment: a theoretical study using ants. <i>BMC Ecology</i> , 2016, 16, 4.	3.0	13
23	Stochastic eco-evolutionary model of a prey-predator community. <i>Journal of Mathematical Biology</i> , 2016, 72, 573-622.	1.9	21
24	Evolution of nutrient acquisition: when space matters. <i>Functional Ecology</i> , 2016, 30, 283-294.	3.6	10
25	Relative impacts of environmental variation and evolutionary history on the nestedness and modularity of tree-herbivore networks. <i>Ecology and Evolution</i> , 2015, 5, 2898-2915.	1.9	15
26	Functional trait diversity across trophic levels determines herbivore impact on plant community biomass. <i>Ecology Letters</i> , 2015, 18, 1346-1355.	6.4	56
27	The manager dilemma: Optimal management of an ecosystem service in heterogeneous exploited landscapes. <i>Ecological Modelling</i> , 2015, 301, 78-89.	2.5	5
28	Species sorting and patch dynamics in harlequin metacommunities affect the relative importance of environment and space. <i>Ecology</i> , 2015, 96, 3227-3233.	3.2	29
29	Eco-Evolutionary Dynamics of Plant-Insect Communities Facing Disturbances. <i>Advances in Ecological Research</i> , 2015, , 91-114.	2.7	8
30	Nutrient enrichment and local competition influence the evolution of plant mineralization strategy: a modelling approach. <i>Journal of Ecology</i> , 2014, 102, 357-366.	4.0	16
31	Effects of local negative feedbacks on the evolution of species within metacommunities. <i>Ecology Letters</i> , 2014, 17, 563-573.	6.4	14
32	Dynamics of coupled mutualistic and antagonistic interactions, and their implications for ecosystem management. <i>Journal of Theoretical Biology</i> , 2014, 346, 67-74.	1.7	27
33	Networking Agroecology. <i>Advances in Ecological Research</i> , 2013, , 1-67.	2.7	50
34	Eco-Evolutionary Dynamics of Agricultural Networks. <i>Advances in Ecological Research</i> , 2013, 49, 339-435.	2.7	54
35	Unifying sources and sinks in ecology and Earth sciences. <i>Biological Reviews</i> , 2013, 88, 365-379.	10.4	85
36	Plant Preference for Ammonium versus Nitrate: A Neglected Determinant of Ecosystem Functioning?. <i>American Naturalist</i> , 2012, 180, 60-69.	2.1	155

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37	Eco-evolutionary responses of biodiversity to climate change. <i>Nature Climate Change</i> , 2012, 2, 747-751.	18.8	262
38	The ecological and evolutionary implications of merging different types of networks. <i>Ecology Letters</i> , 2011, 14, 1170-1181.	6.4	332
39	Emergence and maintenance of biodiversity in an evolutionary food-web model. <i>Theoretical Ecology</i> , 2011, 4, 467-478.	1.0	73
40	Evolution of nutrient acquisition: when adaptation fills the gap between contrasting ecological theories. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 449-457.	2.6	17
41	Consequences of adaptive foraging in diverse communities. <i>Functional Ecology</i> , 2010, 24, 18-27.	3.6	57
42	Influence of evolution on the stability of ecological communities. <i>Ecology Letters</i> , 2010, 13, 1536-1545.	6.4	61
43	Quantifying the dynamics of marine invertebrate metacommunities: What processes can maintain high diversity with low densities in the Mediterranean Sea?. <i>Ecological Modelling</i> , 2009, 220, 3021-3032.	2.5	11
44	Chapter 12 Emergence of complex food web structure in community evolution models. , 2009, , 163-178.		11
45	Ecological consequences of evolution in plant defenses in a metacommunity. <i>Theoretical Population Biology</i> , 2008, 74, 34-45.	1.1	38
46	The evolutionary ecology of metacommunities. <i>Trends in Ecology and Evolution</i> , 2008, 23, 311-317.	8.7	253
47	Evolution in Metacommunities: On the Relative Importance of Species Sorting and Monopolization in Structuring Communities. <i>American Naturalist</i> , 2008, 171, 788-799.	2.1	96
48	Evolution of body size in food webs: does the energetic equivalence rule hold?. <i>Ecology Letters</i> , 2006, 9, 171-178.	6.4	67
49	Evolutionary emergence of size-structured food webs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 5761-5766.	7.1	297
50	Nutrient enrichment and food chains: can evolution buffer top-down control?. <i>Theoretical Population Biology</i> , 2004, 65, 285-298.	1.1	50
51	Consequences of Plant-Herbivore Coevolution on the Dynamics and Functioning of Ecosystems. <i>Journal of Theoretical Biology</i> , 2002, 217, 369-381.	1.7	42