

# Matthieu Barbier

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2715482/publications.pdf>

Version: 2024-02-01

16  
papers

525  
citations

1163117

8  
h-index

996975

15  
g-index

26  
all docs

26  
docs citations

26  
times ranked

497  
citing authors

#	ARTICLE	IF	CITATIONS
1	Generic assembly patterns in complex ecological communities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2156-2161.	7.1	141
2	Biodiversity as insurance: from concept to measurement and application. <i>Biological Reviews</i> , 2021, 96, 2333-2354.	10.4	101
3	Pyramids and cascades: a synthesis of food chain functioning and stability. <i>Ecology Letters</i> , 2019, 22, 405-419.	6.4	68
4	Superorganisms or loose collections of species? A unifying theory of community patterns along environmental gradients. <i>Ecology Letters</i> , 2019, 22, 1243-1252.	6.4	52
5	Complex interactions can create persistent fluctuations in high-diversity ecosystems. <i>PLoS Computational Biology</i> , 2020, 16, e1007827.	3.2	47
6	Thermal mismatches in biological rates determine trophic control and biomass distribution under warming. <i>Global Change Biology</i> , 2021, 27, 257-269.	9.5	21
7	Fingerprints of High-Dimensional Coexistence in Complex Ecosystems. <i>Physical Review X</i> , 2021, 11, .	8.9	18
8	Ecotone formation through ecological niche construction: the role of biodiversity and species interactions. <i>Ecography</i> , 2020, 43, 714-723.	4.5	15
9	Can biomass distribution across trophic levels predict trophic cascades?. <i>Ecology Letters</i> , 2021, 24, 464-476.	6.4	9
10	Synchrony and Perturbation Transmission in Trophic Metacommunities. <i>American Naturalist</i> , 2021, 197, E188-E203.	2.1	8
11	Urn model for productsâ€™ shares in international trade. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2017, 2017, 123403.	2.3	7
12	A macroecological approach to predation density dependence. <i>Oikos</i> , 2021, 130, 553-570.	2.7	7
13	Kinetics of blast waves in one-dimensional conservative and dissipative gases. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2015, 2015, P11019.	2.3	4
14	Invasions of ecological communities: Hints of impacts in the invader's growth rate. <i>Methods in Ecology and Evolution</i> , 2022, 13, 167-182.	5.2	4
15	Giant component in a configuration-model power-law graph with a variable number of links. <i>Physical Review E</i> , 2019, 100, 052309.	2.1	3
16	Polydispersity and Optimal Relaxation in the Hard Sphere Fluid. <i>Journal of Statistical Physics</i> , 2014, 154, 1365-1390.	1.2	0