

# Birte Matthiessen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2237888/publications.pdf>

Version: 2024-02-01

39  
papers

1,552  
citations

430874

18  
h-index

345221

36  
g-index

41  
all docs

41  
docs citations

41  
times ranked

2709  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodiversity in a complex world: consolidation and progress in functional biodiversity research. <i>Ecology Letters</i> , 2009, 12, 1405-1419.	6.4	477
2	Effects of sea surface warming on marine plankton. <i>Ecology Letters</i> , 2014, 17, 614-623.	6.4	188
3	Dispersal frequency affects local biomass production by controlling local diversity. <i>Ecology Letters</i> , 2006, 9, 652-662.	6.4	110
4	Effects of experimental warming on biodiversity depend on ecosystem type and local species composition. <i>Oikos</i> , 2017, 126, 8-17.	2.7	87
5	Community composition has greater impact on the functioning of marine phytoplankton communities than ocean acidification. <i>Global Change Biology</i> , 2014, 20, 713-723.	9.5	63
6	Dispersal decreases diversity in heterogeneous metacommunities by enhancing regional competition. <i>Ecology</i> , 2010, 91, 2022-2033.	3.2	58
7	Temperature effects on seaweed-sustaining top-down control vary with season. <i>Oecologia</i> , 2016, 180, 889-901.	2.0	57
8	Diel and habitat-dependent resource utilisation of deep-sea fishes at the Great Meteor seamount (subtropical NE Atlantic): niche overlap and support for the sound-scattering layer-interception hypothesis. <i>Marine Ecology - Progress Series</i> , 2002, 244, 219-233.	1.9	56
9	Warming, but not enhanced CO <sub>2</sub> concentration, quantitatively and qualitatively affects phytoplankton biomass. <i>Marine Ecology - Progress Series</i> , 2015, 528, 39-51.	1.9	45
10	EFFECTS OF GRAZER RICHNESS AND COMPOSITION ON ALGAL BIOMASS IN A CLOSED AND OPEN MARINE SYSTEM. <i>Ecology</i> , 2007, 88, 178-187.	3.2	40
11	Season affects strength and direction of the interactive impacts of ocean warming and biotic stress in a coastal seaweed ecosystem. <i>Limnology and Oceanography</i> , 2020, 65, 807-827.	3.1	36
12	Effects of increased CO <sub>2</sub> concentration on nutrient limited coastal summer plankton depend on temperature. <i>Limnology and Oceanography</i> , 2016, 61, 853-868.	3.1	33
13	Inter- and intraspecific phenotypic plasticity of three phytoplankton species in response to ocean acidification. <i>Biology Letters</i> , 2017, 13, 20160774.	2.3	27
14	Diversity and community biomass depend on dispersal and disturbance in microalgal communities. <i>Hydrobiologia</i> , 2010, 653, 65-78.	2.0	26
15	Extinction Debt in Source-Sink Metacommunities. <i>PLoS ONE</i> , 2011, 6, e17567.	2.5	24
16	A heat wave and dispersal cause dominance shift and decrease biomass in experimental metacommunities. <i>Oikos</i> , 2012, 121, 721-733.	2.7	24
17	Mussel beds are biological power stations on intertidal flats. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 191, 21-27.	2.1	23
18	High nitrate to phosphorus regime attenuates negative effects of rising CO <sub>2</sub> on total population carbon accumulation. <i>Biogeosciences</i> , 2012, 9, 1195-1203.	3.3	20

#	ARTICLE	IF	CITATIONS
19	Technical Note: Precise quantitative measurements of total dissolved inorganic carbon from small amounts of seawater using a gas chromatographic system. <i>Biogeosciences</i> , 2013, 10, 6601-6608.	3.3	20
20	Dispersal restricts local biomass but promotes the recovery of metacommunities after temperature stress. <i>Oikos</i> , 2014, 123, 762-768.	2.7	18
21	Even moderate nutrient enrichment negatively adds up to global climate change effects on a habitat-forming seaweed system. <i>Limnology and Oceanography</i> , 2016, 61, 1891-1899.	3.1	17
22	Light effects on phytoplankton morphometric traits influence nutrient utilization ability. <i>Journal of Plankton Research</i> , 2018, 40, 568-579.	1.8	15
23	Consumer diversity indirectly changes prey nutrient content. <i>Marine Ecology - Progress Series</i> , 2009, 380, 33-41.	1.9	14
24	Evidence for two sympatric species of snipefishes <i>Macroramphosus</i> spp. ( <i>Syngnathiformes</i> ). <i>Tropical Oceanography</i> , 2010, 10, 542-548.	1.3	10
25	Temperature indirectly affects benthic microalgal diversity by altering effects of top-down but not bottom-up control. <i>Oikos</i> , 2013, 122, 52-63.	2.7	10
26	Eco-Evolutionary Interaction in Competing Phytoplankton: Nutrient Driven Genotype Sorting Likely Explains Dominance Shift and Species Responses to CO <sub>2</sub> . <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	9
27	Warming has stronger direct than indirect effects on benthic microalgae in a seaweed system in spring. <i>Marine Biology</i> , 2017, 164, 67.	1.5	7
28	Experimentally decomposing phytoplankton community change into ecological and evolutionary contributions. <i>Functional Ecology</i> , 2022, 36, 120-132.	3.6	7
29	Decrease in diatom dominance at lower Si:N ratios alters plankton food webs. <i>Journal of Plankton Research</i> , 2020, 42, 411-424.	1.8	6
30	Composition and Dominance of Edible and Inedible Phytoplankton Predict Responses of Baltic Sea Summer Communities to Elevated Temperature and CO <sub>2</sub> . <i>Microorganisms</i> , 2021, 9, 2294.	3.6	5
31	Manipulation of Non-random Species Loss in Natural Phytoplankton: Qualitative and Quantitative Evaluation of Different Approaches. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	4
32	Phytoplankton nutritional quality is altered by shifting Si:N ratios and selective grazing. <i>Journal of Plankton Research</i> , 2021, 43, 325-337.	1.8	4
33	Grazing Induced Shifts in Phytoplankton Cell Size Explain the Community Response to Nutrient Supply. <i>Microorganisms</i> , 2021, 9, 2440.	3.6	4
34	Initial dominance in coccolithophore communities affects community structure but does not translate into altered community functioning. <i>Marine Ecology - Progress Series</i> , 2013, 473, 67-77.	1.9	3
35	Maintenance of Intraspecific Diversity in Response to Species Competition and Nutrient Fluctuations. <i>Microorganisms</i> , 2022, 10, 113.	3.6	2
36	Ecological Organization of the Sea. , 2018, , 37-65.		1

#	ARTICLE	IF	CITATIONS
37	Dispersal mitigates bacterial dominance over microalgal competitor in metacommunities. <i>Oecologia</i> , 2020, 193, 677-687.	2.0	1
38	A heatwave increases turnover and regional dominance in microbenthic metacommunities. <i>Basic and Applied Ecology</i> , 2020, 47, 1-11.	2.7	0
39	Diversity and community biomass depend on dispersal and disturbance in microalgal communities. , 2010, , 65-78.		0