Birte Matthiessen

List of Publications by Year
in descending order

39	1,552	18	36
papers	citations	h-index	g-index
		430874	345221

41	41	41	2709
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Experimentally decomposing phytoplankton community change into ecological and evolutionary contributions. Functional Ecology, 2022, 36, 120-132.	3.6	7
2	Maintenance of Intraspecific Diversity in Response to Species Competition and Nutrient Fluctuations. Microorganisms, 2022, 10, 113.	3.6	2
3	Phytoplankton nutritional quality is altered by shifting Si:N ratios and selective grazing. Journal of Plankton Research, 2021, 43, 325-337.	1.8	4
4	Composition and Dominance of Edible and Inedible Phytoplankton Predict Responses of Baltic Sea Summer Communities to Elevated Temperature and CO2. Microorganisms, 2021, 9, 2294.	3.6	5
5	Grazing Induced Shifts in Phytoplankton Cell Size Explain the Community Response to Nutrient Supply. Microorganisms, 2021, 9, 2440.	3.6	4
6	Season affects strength and direction of the interactive impacts of ocean warming and biotic stress in a coastal seaweed ecosystem. Limnology and Oceanography, 2020, 65, 807-827.	3.1	36
7	Dispersal mitigates bacterial dominance over microalgal competitor in metacommunities. Oecologia, 2020, 193, 677-687.	2.0	1
8	Eco-Evolutionary Interaction in Competing Phytoplankton: Nutrient Driven Genotype Sorting Likely Explains Dominance Shift and Species Responses to CO2. Frontiers in Marine Science, 2020, 7, .	2.5	9
9	A heatwave increases turnover and regional dominance in microbenthic metacommunities. Basic and Applied Ecology, 2020, 47, 1-11.	2.7	0
10	Decrease in diatom dominance at lower Si:N ratios alters plankton food webs. Journal of Plankton Research, 2020, 42, 411-424.	1.8	6
11	Ecological Organization of the Sea. , 2018, , 37-65.		1
12	Light effects on phytoplankton morphometric traits influence nutrient utilization ability. Journal of Plankton Research, 2018, 40, 568-579.	1.8	15
13	Inter- and intraspecific phenotypic plasticity of three phytoplankton species in response to ocean acidification. Biology Letters, 2017, 13, 20160774.	2.3	27
14	Mussel beds are biological power stations on intertidal flats. Estuarine, Coastal and Shelf Science, 2017, 191, 21-27.	2.1	23
15	Warming has stronger direct than indirect effects on benthic microalgae in a seaweed system in spring. Marine Biology, 2017, 164, 67.	1.5	7
16	Effects of experimental warming on biodiversity depend on ecosystem type and local species composition. Oikos, 2017, 126, 8-17.	2.7	87
17	Manipulation of Non-random Species Loss in Natural Phytoplankton: Qualitative and Quantitative Evaluation of Different Approaches. Frontiers in Marine Science, 2017, 4, .	2.5	4
18	Effects of increased CO₂ concentration on nutrient limited coastal summer plankton depend on temperature. Limnology and Oceanography, 2016, 61, 853-868.	3.1	33

#	Article	IF	Citations
19	Even moderate nutrient enrichment negatively adds up to global climate change effects on a habitat-forming seaweed system. Limnology and Oceanography, 2016, 61, 1891-1899.	3.1	17
20	Temperature effects on seaweed-sustaining top-down control vary with season. Oecologia, 2016, 180, 889-901.	2.0	57
21	Warming, but not enhanced CO2 concentration, quantitatively and qualitatively affects phytoplankton biomass. Marine Ecology - Progress Series, 2015, 528, 39-51.	1.9	45
22	Community composition has greater impact on the functioning of marine phytoplankton communities than ocean acidification. Global Change Biology, 2014, 20, 713-723.	9.5	63
23	Dispersal restricts local biomass but promotes the recovery of metacommunities after temperature stress. Oikos, 2014, 123, 762-768.	2.7	18
24	Effects of sea surface warming on marine plankton. Ecology Letters, 2014, 17, 614-623.	6.4	188
25	Temperature indirectly affects benthic microalgal diversity by altering effects of topâ€“down but not bottomâ€“up control. Oikos, 2013, 122, 52-63.	2.7	10
26	Technical Note: Precise quantitative measurements of total dissolved inorganic carbon from small amounts of seawater using a gas chromatographic system. Biogeosciences, 2013, 10, 6601-6608.	3.3	20
27	Initial dominance in coccolithophore communities affects community structure but does not translate into altered community functioning. Marine Ecology - Progress Series, 2013, 473, 67-77.	1.9	3
28	High nitrate to phosphorus regime attenuates negative effects of rising <i>p</i>CO₂ on total population carbon accumulation. Biogeosciences, 2012, 9, 1195-1203.	3.3	20
29	A heat wave and dispersal cause dominance shift and decrease biomass in experimental metacommunities. Oikos, 2012, 121, 721-733.	2.7	24
30	Extinction Debt in Source-Sink Metacommunities. PLoS ONE, 2011, 6, e17567.	2.5	24
31	Diversity and community biomass depend on dispersal and disturbance in microalgal communities. Hydrobiologia, 2010, 653, 65-78.	2.0	26
32	Dispersal decreases diversity in heterogeneous metacommunities by enhancing regional competition. Ecology, 2010, 91, 2022-2033.	3.2	58
33	Diversity and community biomass depend on dispersal and disturbance in microalgal communities. , 2010, , 65-78.		0
34	Biodiversity in a complex world: consolidation and progress in functional biodiversity research. Ecology Letters, 2009, 12, 1405-1419.	6.4	477
35	Consumer diversity indirectly changes prey nutrient content. Marine Ecology - Progress Series, 2009, 380, 33-41.	1.9	14
36	EFFECTS OF GRAZER RICHNESS AND COMPOSITION ON ALGAL BIOMASS IN A CLOSED AND OPEN MARINE SYSTEM. Ecology, 2007, 88, 178-187.	3.2	40

#	Article	IF	Citations
37	Dispersal frequency affects local biomass production by controlling local diversity. Ecology Letters, 2006, 9, 652-662.	6.4	110
38	Evidence for two sympatric species of snipefishes Macroramphosus spp. (Syngnathiformes,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 T	1.3	10
39	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. Marine Ecology - Progress Series, 2002, 244, 219-233.	1.9	56