Maarten Boersma

List of Publications by Year
in descending order

136 papers	5,344 citations	87723 38 h-index	102304 66 g-index
140 all docs	140 docs citations	140 times ranked	4671 citing authors

#	Article	IF	Citations
1	Gelatinous and soft-bodied zooplankton in the Northeast Pacific Ocean: Phosphorus content and potential resilience to phosphorus limitation. Hydrobiologia, 2022, 849, 1543-1557.	1.0	6
2	Environmentally induced functional shifts in phytoplankton and their potential consequences for ecosystem functioning. Global Change Biology, 2022, 28, 2804-2819.	4.2	15
3	Differential effects of elevated <scp><i>p</i>CO₂</scp> and warming on marine phytoplankton stoichiometry. Limnology and Oceanography, 2022, 67, 598-607.	1.6	8
4	An integrated multiple driver mesocosm experiment reveals the effect of global change on planktonic food web structure. Communications Biology, 2022, 5, 179.	2.0	8
5	Host-parasitoid associations in marine planktonic time series: Can metabarcoding help reveal them?. PLoS ONE, 2021, 16, e0244817.	1.1	16
6	Cox2 community barcoding at Prince Edward Island reveals long-distance dispersal of a downy mildew species and potentially marine members of the Saprolegniaceae. Mycological Progress, 2021, 20, 509-516.	0.5	1
7	Leveraging differences in multiple prey traits allows selective copepods to meet their threshold elemental ratios. Limnology and Oceanography, 2021, 66, 2914-2922.	1.6	2
8	Maturation of the digestive system of Downs herring larvae (Clupea harengus, Linnaeus, 1758): identification of critical periods through ontogeny. Marine Biology, 2021, 168, 1.	0.7	4
9	Environmental impacts on single-cell variation within a ubiquitous diatom: The role of growth rate. PLoS ONE, 2021, 16, e0251213.	1.1	6
10	Noisy waters can influence young-of-year lobstersâ€™ substrate choice and their antipredatory responses. Environmental Pollution, 2021, 291, 118108.	3.7	6
11	A matter of time and proportion: the availability of phosphorus-rich phytoplankton influences growth and behavior of copepod nauplii. Journal of Plankton Research, 2020, 42, 530-538.	0.8	2
12	Addressing critical limitations of oyster (<i>Ostrea edulis</i>) restoration: Identification of natureâ€based substrates for hatchery production and recruitment in the field. Aquatic Conservation: Marine and Freshwater Ecosystems, 2020, 30, 2101-2115.	0.9	17
13	High CO2 and warming affect microzooplankton food web dynamics in a Baltic Sea summer plankton community. Marine Biology, 2020, 167, 1.	0.7	10
14	Rapid succession drives spring community dynamics of small protists at Helgoland Roads, North Sea. Journal of Plankton Research, 2020, 42, 305-319.	0.8	11
15	Seasonal Dynamics of Pelagic Mycoplanktonic Communities: Interplay of Taxon Abundance, Temporal Occurrence, and Biotic Interactions. Frontiers in Microbiology, 2020, 11, 1305.	1.5	23
16	Does prey elemental stoichiometry influence copepod movement over ontogeny?. Limnology and Oceanography, 2019, 64, 2467-2477.	1.6	8
17	You are not always what you eatâ€"Fatty acid bioconversion and lipid homeostasis in the larvae of the sand mason worm Lanice conchilega. PLoS ONE, 2019, 14, e0218015.	1.1	8
18	Analyzing the Impacts of Elevated-CO2 Levels on the Development of a Subtropical Zooplankton Community During Oligotrophic Conditions and Simulated Upwelling. Frontiers in Marine Science, 2019, 6, .	1.2	9

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19	Partial decoupling from the temperature size rule by North Sea copepods. Marine Biology, 2019, 166, 1.	0.7	4
20	Acclimation and adaptation of the coastal calanoid copepod Acartia tonsa to ocean acidification: a long-term laboratory investigation. Marine Ecology - Progress Series, 2019, 619, 35-51.	0.9	18
21	Effects of low-frequency noise and temperature on copepod and amphipod performance. Proceedings of Meetings on Acoustics, 2019, , .	0.3	2
22	Plankton responses to ocean acidification: The role of nutrient limitation. Progress in Oceanography, 2018, 165, 11-18.	1.5	23
23	Combined effects of predator cues and competition define habitat choice and food consumption of amphipod mesograzers. Oecologia, 2018, 186, 645-654.	0.9	29
24	Toxic algal bloom induced by ocean acidification disrupts the pelagic food web. Nature Climate Change, 2018, 8, 1082-1086.	8.1	75
25	Wulf Greve (1942â€“2018). Helgoland Marine Research, 2018, 72, .	1.3	0
26	Dietary and seasonal variability in trophic relations at the base of the North Sea pelagic food web revealed by stable isotope and fatty acid analysis. Journal of Sea Research, 2018, 141, 61-70.	0.6	10
27	The craving for phosphorus in heterotrophic dinoflagellates and its potential implications for biogeochemical cycles. Limnology and Oceanography, 2018, 63, 1774-1784.	1.6	11
28	Ocean current connectivity propelling the secondary spread of a marine invasive comb jelly across western Eurasia. Global Ecology and Biogeography, 2018, 27, 814-827.	2.7	38
29	Bioenergetics of the copepod Temora longicornis under different nutrient regimes. Journal of Plankton Research, 2018, 40, 420-435.	0.8	12
30	Winter river discharge may affect summer estuarine jellyfish blooms. Marine Ecology - Progress Series, 2018, 591, 253-265.	0.9	14
31	Will Invertebrates Require Increasingly Carbon-Rich Food in a Warming World?. American Naturalist, 2017, 190, 725-742.	1.0	28
32	50 years of the European Marine Biology symposium â€“ a continuing success story. Journal of the Marine Biological Association of the United Kingdom, 2017, 97, 463-464.	0.4	0
33	Direct and indirect effects of near-future pCO2 levels on zooplankton dynamics. Marine and Freshwater Research, 2017, 68, 373.	0.7	14
34	From Elements to Function: Toward Unifying Ecological Stoichiometry and Trait-Based Ecology. Frontiers in Environmental Science, 2017, 5, .	1.5	67
35	Influence of Ocean Acidification and Deep Water Upwelling on Oligotrophic Plankton Communities in the Subtropical North Atlantic: Insights from an In situ Mesocosm Study. Frontiers in Marine Science, 2017, 4, .	1.2	49
36	Ocean acidification effects on mesozooplankton community development: Results from a long-term mesocosm experiment. PLoS ONE, 2017, 12, e0175851.	1.1	22

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37	Community barcoding reveals little effect of ocean acidification on the composition of coastal plankton communities: Evidence from a long-term mesocosm study in the Gullmar Fjord, Skagerrak. PLoS ONE, 2017, 12, e0175808.	1.1	10
38	Low CO2 Sensitivity of Microzooplankton Communities in the Gullmar Fjord, Skagerrak: Evidence from a Long-Term Mesocosm Study. PLoS ONE, 2016, 11, e0165800.	1.1	20
39	Temperature driven changes in the diet preference of omnivorous copepods: no more meat when it's hot?. Ecology Letters, 2016, 19, 45-53.	3.0	81
40	Withstanding multiple stressors: ephyrae of the moon jellyfish (Aurelia aurita, Scyphozoa) in a high-temperature, high-CO2 and low-oxygen environment. Marine Biology, 2016, 163, 1.	0.7	17
41	Temperatureâ€driven changes in the diet preference of omnivorous copepods: no more meat when it's hot? AÂresponse to Winder <i>et al</i>.. Ecology Letters, 2016, 19, 1386-1388.	3.0	6
42	A new phase for Helgoland Marine Research. Helgoland Marine Research, 2016, 70, .	1.3	0
43	Junk food gets healthier when it's warm. Limnology and Oceanography, 2016, 61, 1677-1685.	1.6	45
44	Projecting effects of climate change on marine systems: is the mean all that matters?. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20152274.	1.2	20
45	Effects of high CO2 and warming on a Baltic Sea microzooplankton community. ICES Journal of Marine Science, 2016, 73, 772-782.	1.2	20
46	Zooplankton eat what they need: copepod selective feeding and potential consequences for marine systems. Oikos, 2016, 125, 50-58.	1.2	96
47	Influence of Ocean Acidification on a Natural Winter-to-Summer Plankton Succession: First Insights from a Long-Term Mesocosm Study Draw Attention to Periods of Low Nutrient Concentrations. PLoS ONE, 2016, 11, e0159068.	1.1	64
48	Control of phytoplankton in a shelf sea: Determination of the main drivers based on the Helgoland Roads Time Series. Journal of Sea Research, 2015, 105, 42-52.	0.6	72
49	Long-term change in the copepod community in the southern German Bight. Journal of Sea Research, 2015, 101, 41-50.	0.6	32
50	Effects of food and CO2 on growth dynamics of polyps of two scyphozoan species (Cyanea capillata) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.7	20
51	Factors influencing the grazing response of the marine oligotrichous ciliate Strombidium cf. sulcatum. Aquatic Microbial Ecology, 2015, 74, 59-71.	0.9	9
52	A New Approach to Homeostatic Regulation: Towards a Unified View of Physiological and Ecological Concepts. PLoS ONE, 2014, 9, e107737.	1.1	53
53	The reaction of European lobster larvae (Homarus gammarus) to different quality food: effects of ontogenetic shifts and pre-feeding history. Oecologia, 2014, 174, 581-594.	0.9	21
54	Predation of calanoid copepods on their own and other copepodsâ€™ offspring. Marine Biology, 2014, 161, 733-743.	0.7	23

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55	Facilitation of intraguild prey by its intraguild predator in a three-species Lotkaâ€“Volterra model. Theoretical Population Biology, 2014, 92, 55-61.	0.5	14
56	Microbial predators promote their competitors: commensalism within an intra-guild predation system in microzooplankton. Ecosphere, 2014, 5, art128.	1.0	11
57	Increased carbon dioxide availability alters phytoplankton stoichiometry and affects carbon cycling and growth of a marine planktonic herbivore. Marine Biology, 2013, 160, 2145-2155.	0.7	74
58	The microbiome of North Sea copepods. Helgoland Marine Research, 2013, 67, 757-773.	1.3	29
59	Impact of swimming behaviour and nutrient limitation on predatorâ€“prey interactions in pelagic microbial food webs. Journal of Experimental Marine Biology and Ecology, 2013, 446, 29-35.	0.7	19
60	Stable coexistence in a Lotka-Volterra model with heterogeneous resources and intraguild predation. Physical Review E, 2013, 88, 062721.	0.8	1
61	Goldman revisited: Fasterâ€growing phytoplankton has lower N : P and lower stoichiometric flexibility. Limnology and Oceanography, 2013, 58, 2076-2088.	1.6	136
62	Contribution to a bio-optical model for remote sensing of Lena River water. Biogeosciences, 2013, 10, 7081-7094.	1.3	10
63	Dynamic stoichiometric response to food quality fluctuations in the heterotrophic dinoflagellate Oxyrrhis marina. Marine Biology, 2012, 159, 2241-2248.	0.7	23
64	Food Quality Affects Secondary Consumers Even at Low Quantities: An Experimental Test with Larval European Lobster. PLoS ONE, 2012, 7, e33550.	1.1	30
65	Initial size structure of natural phytoplankton communities determines the response to Daphnia diel vertical migration. Journal of Limnology, 2012, 71, 13.	0.3	3
66	Effects of poor food quality on copepod growth are dose dependent and nonâ€reversible. Oikos, 2012, 121, 1408-1416.	1.2	53
67	Intraspecific selectivity, compensatory feeding and flexible homeostasis in the phagotrophic flagellate Oxyrrhis marina: three ways to handle food quality fluctuations. Hydrobiologia, 2012, 680, 53-62.	1.0	35
68	Reconstructing the realized niche of phytoplankton species from environmental data: fitness versus abundance approach. Limnology and Oceanography: Methods, 2011, 9, 432-442.	1.0	18
69	The role of ciliates, heterotrophic dinoflagellates and copepods in structuring spring plankton communities at Helgoland Roads, North Sea. Marine Biology, 2011, 158, 1551-1580.	0.7	100
70	The invasive ctenophore Mnemiopsis leidyi: a threat to fish recruitment in the North Sea?. Journal of Plankton Research, 2011, 33, 137-144.	0.8	34
71	Dietary-induced responses in the phagotrophic flagellate Oxyrrhis marina. Marine Biology, 2010, 157, 1641-1651.	0.7	21
72	Comparison of different DNA-extraction techniques to investigate the bacterial community of marine copepods. Helgoland Marine Research, 2010, 64, 331-342.	1.3	11

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73	Does the nutrient stoichiometry of primary producers affect the secondary consumer Pleurobrachia pileus?. Aquatic Ecology, 2010, 44, 233-242.	0.7	43
74	Sensitivity of Daphnia species to phosphorus-deficient diets. Oecologia, 2010, 162, 349-357.	0.9	35
75	Differential effects of nutrient-limited primary production on primary, secondary or tertiary consumers. Oecologia, 2010, 162, 35-48.	0.9	117
76	Helgoland Roads, North Sea: 45ÂYears of Change. Estuaries and Coasts, 2010, 33, 295-310.	1.0	198
77	A new method of describing phytoplankton blooms: Examples from Helgoland Roads. Journal of Marine Systems, 2010, 79, 36-43.	0.9	16
78	Phenological shifts of three interacting zooplankton groups in relation to climate change. Global Change Biology, 2010, 16, 3144-3153.	4.2	8
79	Culture conditions affect fatty acid content along with wound-activated production of polyunsaturated aldehydes in Thalassiosira rotula (Coscinodiscophyceae). Nova Hedwigia, 2010, 136, 231-248.	0.2	7
80	Upward phosphorus transport by Daphnia diel vertical migration. Limnology and Oceanography, 2010, 55, 529-534.	1.6	8
81	Daphnia diel vertical migration: implications beyond zooplankton. Journal of Plankton Research, 2009, 31, 515-524.	0.8	28
82	Phytoplankton, protozooplankton and nutrient dynamics in the Bornholm Basin (Baltic Sea) in 2002â€"2003 during the German GLOBEC Project. International Journal of Earth Sciences, 2009, 98, 251-260.	0.9	29
83	Food chain effects of nutrient limitation in primary producers. Marine and Freshwater Research, 2009, 60, 983.	0.7	23
84	Trophic flexibility in larvae of two fish species (lesser sandeel, <i>Ammodytes marinus</i> and dab,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.3	13
85	Nutritional Limitation Travels up the Food Chain. International Review of Hydrobiology, 2008, 93, 479-488.	0.5	107
86	Resilience of North Sea phytoplankton spring bloom dynamics: An analysis of longâ€term data at Helgoland Roads. Limnology and Oceanography, 2008, 53, 1294-1302.	1.6	247
87	Effects of essential fatty acids on the reproduction of a generalist herbivore. Journal of Plankton Research, 2007, 29, 463-470.	0.8	3
88	Nutrient limitation of primary producers affects planktivorous fish condition. Limnology and Oceanography, 2007, 52, 2062-2071.	1.6	137
89	Lipid and Fatty Acid Composition of Diatoms Revisited: Rapid Wound-Activated Change of Food Quality Parameters Influences Herbivorous Copepod Reproductive Success. ChemBioChem, 2007, 8, 1146-1153.	1.3	86
90	The first occurrence of the ctenophore Mnemiopsis leidyi in the North Sea. Helgoland Marine Research, 2007, 61, 153-155.	1.3	85

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91	Year-to-year variation in larval fish assemblages of the Southern North Sea. Helgoland Marine Research, 2007, 61, 117-126.	1.3	10
92	Comparative nutritional condition of larval dab Limanda limanda and lesser sandeel Ammodytes marinus in a highly variable environment. Marine Ecology - Progress Series, 2007, 334, 205-212.	0.9	23
93	Winfried Lampert: Natural selection is ecology in action. Archiv FÃ¼r Hydrobiologie, 2006, 167, i-v.	1.1	0
94	Trophodynamics and seasonal cycle of the copepod Pseudocalanus acuspes in the Central Baltic Sea (Bornholm Basin): evidence from lipid composition. Marine Biology, 2006, 149, 1417-1429.	0.7	69
95	Microassays for a set of enzymes in individual small marine copepods. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2006, 145, 406-411.	0.8	27
96	Predator mediated coexistence of hybrid and parental Daphnia taxa. Archiv FÃ¼r Hydrobiologie, 2006, 167, 55-76.	1.1	8
97	Gut passage of phosphorus-limited algae through Daphnia: do they take up nutrients in the process?. Archiv FÃ¼r Hydrobiologie, 2006, 167, 489-500.	1.1	13
98	TOO MUCH OF A GOOD THING: ON STOICHIOMETRICALLY BALANCED DIETS AND MAXIMAL GROWTH. Ecology, 2006, 87, 1325-1330.	1.5	218
99	Effects of nitrogen stressed algae on different Acartia species. Journal of Plankton Research, 2006, 28, 429-436.	0.8	33
100	Impacts of copepods on marine seston, and resulting effects on Calanus finmarchicus RNA:DNA ratios in mesocosm experiments. Marine Biology, 2005, 146, 531-541.	0.7	9
101	Colloquium on diatom-copepod interactions. Marine Ecology - Progress Series, 2005, 286, 293-305.	0.9	68
102	Spatial and temporal patterns of sexual reproduction in a hybrid Daphnia species complex. Journal of Plankton Research, 2004, 26, 625-635.	0.8	27
103	Effects of infochemicals released by gape-limited fish on life history traits of Daphnia: a maladaptive response?. Journal of Plankton Research, 2004, 26, 535-543.	0.8	22
104	STOICHIOMETRY: LINKING ELEMENTS TO BIOCHEMICALS. Ecology, 2004, 85, 1193-1202.	1.5	130
105	Differential Impacts of Copepods and Cladocerans on Lake Seston, and Resulting Effects on Zooplankton Growth. Hydrobiologia, 2004, 526, 197-207.	1.0	22
106	Effects of temperature and the presence of benthic predators on the vertical distribution of the ctenophore Pleurobrachia pileus. Marine Biology, 2004, 145, 595.	0.7	15
107	Grazer-induced changes in the desmid Staurastrum. Hydrobiologia, 2003, 491, 255-260.	1.0	15
108	Daphnia versus copepod impact on summer phytoplankton: functional compensation at both trophic levels. Oecologia, 2003, 135, 639-647.	0.9	100

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109	Cascading predation effects of Daphnia and copepods on microbial food web components. Freshwater Biology, 2003, 48, 2174-2193.	1.2	123
110	On the cost of vertical migration: are feeding conditions really worse at greater depths?. Freshwater Biology, 2003, 48, 383-393.	1.2	58
111	Complementary impact of copepods and cladocerans on phytoplankton. Ecology Letters, 2001, 4, 545-550.	3.0	128
112	Does trimethylamine induce life-history reactions in Daphnia?. Hydrobiologia, 2001, 442, 199-206.	1.0	8
113	Title is missing!. Hydrobiologia, 2001, 442, 185-193.	1.0	19
114	MINERAL LIMITATION OF ZOOPLANKTON: STOICHIOMETRIC CONSTRAINTS AND OPTIMAL FORAGING. Ecology, 2001, 82, 1260-1269.	1.5	194
115	Response of a zooplankton community to the addition of unsaturated fatty acids: an enclosure study. Freshwater Biology, 2000, 45, 179-188.	1.2	24
116	Predator-induced life-history changes and the coexistence of five taxa in a Daphnia species complex. Oikos, 2000, 89, 164-174.	1.2	46
117	Maternal effects after sexual reproduction in Daphnia magna. Journal of Plankton Research, 2000, 22, 279-285.	0.8	24
118	How do migrating daphnids cope with fish predation risk in the epilimnion under anoxic conditions in the hypolimnion?. Journal of Plankton Research, 2000, 22, 1411-1418.	0.8	28
119	Trimethylamine induces migration of waterfleas. Nature, 1999, 398, 382-382.	13.7	34
120	Predatorâ€Mediated Plasticity in Morphology, Life History, and Behavior ofDaphnia: The Uncoupling of Responses. American Naturalist, 1998, 152, 237-248.	1.0	277
121	Offspring size and parental fitness in Daphnia magna. Evolutionary Ecology, 1997, 11, 439-450.	0.5	62
122	Title is missing!. Hydrobiologia, 1997, 350, 145-162.	1.0	16
123	Title is missing!. Hydrobiologia, 1997, 350, 131-144.	1.0	36
124	Title is missing!. , 1997, 360, 233-242.		35
125	Offspring size in Daphnia: does it pay to be overweight?. , 1997, 360, 79-88.		24
126	An object-oriented simulation framework for individual-based simulations (OSIRIS): Daphnia population dynamics as an example. Ecological Modelling, 1996, 93, 139-153.	1.2	42

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127	Food effects on life history traits and seasonal dynamics of Ceriodaphnia pulchella. Freshwater Biology, 1996, 35, 25-34.	1.2	36
128	Synergistic effects of different food species on life-history traits of Daphnia galeata. Hydrobiologia, 1995, 307, 109-115.	1.0	26
129	Competition in natural populations of Daphnia. Oecologia, 1995, 103, 309-318.	0.9	27
130	The Allocation of Resources to Reproduction in Daphnia Galeata: Against the Odds?. Ecology, 1995, 76, 1251-1261.	1.5	65
131	Seasonal variations in the condition of two Daphnia species and their hybrid in a eutrophic lake: evidence for food limitation. Journal of Plankton Research, 1994, 16, 1793-1809.	0.8	40
132	Possible toxic effects on Daphnia resulting from the green alga Scenedesmus obliquus. Hydrobiologia, 1994, 294, 99-103.	1.0	7
133	Resource depression in Daphnia galeata, Daphnia cucullata and their interspecific hybrid: life history consequences. Journal of Plankton Research, 1994, 16, 1741-1758.	0.8	46
134	Nutrient gradients and spatial structure in tropical forests: a model study. Ecological Modelling, 1991, 55, 219-240.	1.2	14
135	Seasonal variation in the interactions between piscivorous fish, planktivorous fish and zooplankton in a shallow eutrophic lake. Hydrobiologia, 1990, 207, 279-286.	1.0	52
136	Metabarcoding analysis suggests that flexible food web interactions in the eukaryotic plankton community are more common than specific predatorâ€“prey relationships at Helgoland Roads, North Sea. ICES Journal of Marine Science, 0, , .	1.2	10