

# Jaap van der Meer

## List of Publications by Year in descending order

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Version: 2024-02-01

69  
papers

3,425  
citations

218677

26  
h-index

144013

57  
g-index

70  
all docs

70  
docs citations

70  
times ranked

3902  
citing authors

#	ARTICLE	IF	CITATIONS
1	New indices and calibrations derived from the distribution of crenarchaeal isoprenoid tetraether lipids: Implications for past sea surface temperature reconstructions. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 4639-4654.	3.9	575
2	Revised calibration of the MBT-CBT paleotemperature proxy based on branched tetraether membrane lipids in surface soils. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 96, 215-229.	3.9	369
3	Cadmium versus phosphate in the world ocean. <i>Marine Chemistry</i> , 1994, 46, 261-281.	2.3	182
4	Metabolic theories in ecology. <i>Trends in Ecology and Evolution</i> , 2006, 21, 136-140.	8.7	170
5	Variability in Basal Metabolic Rate of a Long-Distance Migrant Shorebird (Red Knot, <i>Calidris canutus</i> ) Reflects Shifts in Organ Sizes. <i>Physiological Zoology</i> , 1996, 69, 191-217.	1.5	167
6	The "covariation method" for estimating the parameters of the standard Dynamic Energy Budget model I: Philosophy and approach. <i>Journal of Sea Research</i> , 2011, 66, 270-277.	1.6	160
7	Digestive bottleneck affects foraging decisions in red knots <i>Calidris canutus</i> . I. Prey choice. <i>Journal of Animal Ecology</i> , 2005, 74, 105-119.	2.8	109
8	The mechanisms of interference competition: two experiments on foraging waders. <i>Behavioral Ecology</i> , 2005, 16, 845-855.	2.2	104
9	Parasites and marine invasions: Ecological and evolutionary perspectives. <i>Journal of Sea Research</i> , 2016, 113, 11-27.	1.6	103
10	Physiologically Inspired Regression Models for Estimating and Predicting Nutrient Stores and Their Composition in Birds. <i>Physiological Zoology</i> , 1994, 67, 305-329.	1.5	88
11	Why do shore crabs not prefer the most profitable mussels?. <i>Journal of Animal Ecology</i> , 2003, 72, 599-607.	2.8	78
12	Disentangling interference competition from exploitative competition in a crab-bivalve system using a novel experimental approach. <i>Oikos</i> , 2006, 113, 157-167.	2.7	73
13	Protected Area management: Fusion and confusion with the ecosystem services approach. <i>Science of the Total Environment</i> , 2019, 651, 2432-2443.	8.0	69
14	Designing a benthic monitoring programme with multiple conflicting objectives. <i>Methods in Ecology and Evolution</i> , 2012, 3, 526-536.	5.2	62
15	Spatial clumping of food and social dominance affect interference competition among ruddy turnstones. <i>Behavioral Ecology</i> , 2005, 16, 834-844.	2.2	61
16	Facilitation on an intertidal mudflat: the effect of siphon nipping by flatfish on burying depth of the bivalve <i>Macoma balthica</i> . <i>Oecologia</i> , 2001, 126, 500-506.	2.0	58
17	Distribution of branched tetraether lipids in geothermally heated soils: Implications for the MBT/CBT temperature proxy. <i>Organic Geochemistry</i> , 2009, 40, 201-205.	1.8	54
18	The role of environmental variables in structuring landscape-scale species distributions in seafloor habitats. <i>Ecology</i> , 2010, 91, 1583-1590.	3.2	44

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19	Suitability of calcein as an in situ growth marker in burrowing bivalves. <i>Journal of Experimental Marine Biology and Ecology</i> , 2011, 399, 1-7.	1.5	44
20	Dredging for edible cockles ( <i>Cerastoderma edule</i> ) on intertidal flats: short-term consequences of fisher patch-choice decisions for target and non-target benthic fauna. <i>ICES Journal of Marine Science</i> , 2007, 64, 1735-1742.	2.5	42
21	Inventory of organisms interfering with transmission of a marine trematode. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2014, 94, 697-702.	0.8	39
22	Optimal foraging and risk of claw damage: How flexible are shore crabs in their prey size selectivity?. <i>Journal of Experimental Marine Biology and Ecology</i> , 2008, 367, 157-163.	1.5	37
23	The most common diet results in low reproduction in a generalist seabird. <i>Ecology and Evolution</i> , 2017, 7, 4620-4629.	1.9	37
24	Long-term variability in secondary production of an intertidal bivalve population is primarily a matter of recruitment variability. <i>Journal of Animal Ecology</i> , 2001, 70, 159-169.	2.8	37
25	Interference competition, the spatial distribution of food and free-living foragers. <i>Animal Behaviour</i> , 2007, 74, 1493-1503.	1.9	35
26	Spillover but no spillback of two invasive parasitic copepods from invasive Pacific oysters ( <i>Crassostrea gigas</i> ) to native bivalve hosts. <i>Biological Invasions</i> , 2017, 19, 365-379.	2.4	30
27	Impact on bird fauna of a non-native oyster expanding into blue mussel beds in the Dutch Wadden Sea. <i>Biological Conservation</i> , 2016, 202, 39-49.	4.1	29
28	Assessment games in shore crab fights. <i>Journal of Experimental Marine Biology and Ecology</i> , 2007, 351, 255-266.	1.5	28
29	The global Cd/phosphate relationship in deep ocean waters and the need for accuracy. <i>Marine Chemistry</i> , 1997, 59, 87-93.	2.3	25
30	Small is profitable: No support for the optimal foraging theory in sea stars <i>Asterias rubens</i> foraging on the blue edible mussel <i>Mytilus edulis</i> . <i>Estuarine, Coastal and Shelf Science</i> , 2011, 94, 89-92.	2.1	25
31	Indirect effects of invasive species affecting the population structure of an ecosystem engineer. <i>Ecosphere</i> , 2015, 6, 1-12.	2.2	24
32	Mapping species abundance by a spatial zero-inflated Poisson model: a case study in the Wadden Sea, the Netherlands. <i>Ecology and Evolution</i> , 2016, 6, 532-543.	1.9	24
33	Parasites as prey: the effect of cercarial density and alternative prey on consumption of cercariae by four non-host species. <i>Parasitology</i> , 2017, 144, 1775-1782.	1.5	24
34	Long-term variability in secondary production of an intertidal bivalve population is primarily a matter of recruitment variability. <i>Journal of Animal Ecology</i> , 2001, 70, 159-169.	2.8	23
35	Brown shrimp ( <i>Crangon crangon</i> , L.) functional response to density of different sized juvenile bivalves <i>Macoma balthica</i> (L.). <i>Journal of Experimental Marine Biology and Ecology</i> , 2010, 390, 31-38.	1.5	23
36	Ecosystem services in European protected areas: Ambiguity in the views of scientists and managers?. <i>PLoS ONE</i> , 2017, 12, e0187143.	2.5	23

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37	Individual differences in foraging site fidelity are not related to time-activity budgets in Herring Gulls. <i>Ibis</i> , 2020, 162, 429-445.	1.9	23
38	A stochastic version of the Beddington-DeAngelis functional response: modelling interference for a finite number of predators. <i>Journal of Animal Ecology</i> , 2009, 78, 134-142.	2.8	21
39	Environmental and biological factors influencing trace elemental and microstructural properties of <i>Arctica islandica</i> shells. <i>Science of the Total Environment</i> , 2018, 645, 913-923.	8.0	19
40	The Birth, Growth and Death of Intertidal Soft-Sediment Bivalve Beds: No Need for Large-Scale Restoration Programs in the Dutch Wadden Sea. <i>Ecosystems</i> , 2019, 22, 1024-1034.	3.4	19
41	Fish Disease Monitoring in the Dutch Part of the North Sea in Relation to the Dumping of Waste From Titanium Dioxide Production. <i>Chemistry and Ecology</i> , 1991, 5, 149-170.	1.6	16
42	Intertidal fish traps as a tool to study long-term trends in juvenile flatfish populations. <i>Journal of Sea Research</i> , 1992, 29, 119-126.	1.0	16
43	Interactive effects of temperature and food availability on the growth of <i>Arctica islandica</i> ( <i>Bivalvia</i> ) juveniles. <i>Marine Environmental Research</i> , 2018, 133, 67-77.	2.5	16
44	Statistical analysis of the dichotomous preference test. <i>Animal Behaviour</i> , 1992, 44, 1101-1106.	1.9	15
45	Experimental evidence for interference competition in oystercatchers, <i>Haematopus ostralegus</i> . I. Captive birds. <i>Behavioral Ecology</i> , 2010, 21, 1251-1260.	2.2	15
46	How invasive oysters can affect parasite infection patterns in native mussels on a large spatial scale. <i>Oecologia</i> , 2019, 190, 99-113.	2.0	15
47	The distribution of unequal predators across food patches is not necessarily (semi)truncated. <i>Behavioral Ecology</i> , 2009, 20, 525-534.	2.2	14
48	Connecting foraging and roosting areas reveals how food stocks explain shorebird numbers. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 259, 107458.	2.1	14
49	Large spatial variability in lifetime egg production in an intertidal Baltic tellin ( <i>Macoma balthica</i> ) population. <i>Helgoland Marine Research</i> , 2003, 56, 274-278.	1.3	13
50	Trophic relationship between the invasive parasitic copepod <i>Mytilicola orientalis</i> and its native blue mussel ( <i>Mytilus edulis</i> ) host. <i>Parasitology</i> , 2018, 145, 814-821.	1.5	12
51	Limits to food production from the sea. <i>Nature Food</i> , 2020, 1, 762-764.	14.0	12
52	A paradox in individual-based models of populations. , 2016, 4, cow023.		11
53	Inference on energetics of deep-sea fish that cannot be aged: The case of the hagfish. <i>Journal of Sea Research</i> , 2014, 94, 138-143.	1.6	9
54	Consumer and host body size effects on the removal of trematode cercariae by ambient communities. <i>Parasitology</i> , 2019, 146, 342-347.	1.5	9

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55	Cryptic invasion of a parasitic copepod: Compromised identification when morphologically similar invaders co-occur in invaded ecosystems. <i>PLoS ONE</i> , 2018, 13, e0193354.	2.5	9
56	Effect of dose and frequency of exposure to infectious stages on trematode infection intensity and success in mussels. <i>Diseases of Aquatic Organisms</i> , 2017, 125, 85-92.	1.0	9
57	Population dynamics of three songbird species in a nestbox population in Central Europe show effects of density, climate and competitive interactions. <i>Ibis</i> , 2011, 153, 806-817.	1.9	8
58	Community structure and nutritional state of phytoplankton growing in mesocosms with different initial N : P ratios studied with high performance liquid chromatography. <i>Sarsia</i> , 1994, 79, 409-416.	0.5	7
59	Estimation of Density-Dependent Mortality of Juvenile Bivalves in the Wadden Sea. <i>PLoS ONE</i> , 2014, 9, e102491.	2.5	7
60	Introduced marine ecosystem engineer indirectly affects parasitism in native mussel hosts. <i>Biological Invasions</i> , 2020, 22, 3223-3237.	2.4	7
61	“Takeaway” foraging spatially uncouples predator and prey attack distributions. <i>Journal of Animal Ecology</i> , 2010, 79, 769-776.	2.8	4
62	Metabolic Theories in Ecology: The Dynamic Energy Budget Theory and the Metabolic Theory of Ecology. , 2019, , 463-471.		4
63	Production efficiency differences between poikilotherms and homeotherms have little to do with metabolic rate. <i>Ecology Letters</i> , 2021, 24, 219-226.	6.4	4
64	Policing: it pays the strong to protect the weak. <i>Trends in Ecology and Evolution</i> , 1997, 12, 250-251.	8.7	3
65	Impact of the invasive parasitic copepod <i>Mytilicola orientalis</i> on native blue mussels <i>Mytilus edulis</i> in the western European Wadden Sea. <i>Marine Biology Research</i> , 2018, 14, 497-507.	0.7	3
66	Are the Q10 values of more than 1,000 reported for Antarctic seabed fauna realistic?. <i>Current Biology</i> , 2017, 27, R1302-R1303.	3.9	2
67	Theoretical Analysis of the Relationship between Production per Unit Biomass and Animal Body Size: A Comment. <i>Oikos</i> , 1998, 83, 331.	2.7	1
68	Grid-spacing and the quality of abundance maps for species that show spatial autocorrelation and zero-inflation. <i>Spatial Statistics</i> , 2016, 18, 386-395.	1.9	1
69	Predicting post-natal energy intake of lesser black-backed gull chicks by Dynamic Energy Budget modeling. <i>Ecological Modelling</i> , 2020, 423, 109005.	2.5	1