

# Marit Reigstad

## List of Publications by Year in descending order

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77  
papers

4,352  
citations

101543

36  
h-index

110387

64  
g-index

79  
all docs

79  
docs citations

79  
times ranked

3392  
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon Export in the Seasonal Sea Ice Zone North of Svalbard From Winter to Late Summer. <i>Frontiers in Marine Science</i> , 2021, 7, .	2.5	26
2	Arctic sea ice algae differ markedly from phytoplankton in their ecophysiological characteristics. <i>Marine Ecology - Progress Series</i> , 2021, 666, 31-55.	1.9	4
3	Improving Chlorophyll-A Estimation From Sentinel-2 (MSI) in the Barents Sea Using Machine Learning. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 5529-5549.	4.9	9
4	Editorial: Carbon Bridge to the Arctic. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	2
5	Ocean Color Net (OCN) for the Barents Sea. , 2020, , .		1
6	Valuing Blue Carbon Changes in the Arctic Ocean. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	11
7	Relationship Between Carbon- and Oxygen-Based Primary Productivity in the Arctic Ocean, Svalbard Archipelago. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	10
8	Food Web Functions and Interactions During Spring and Summer in the Arctic Water Inflow Region: Investigated Through Inverse Modeling. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	12
9	Sampling planktonic salmon lice in Norwegian fjords. <i>Aquaculture Environment Interactions</i> , 2019, 11, 701-715.	1.8	13
10	Vertical export of marine pelagic protists in an ice-free high-Arctic fjord (Adventfjorden, West) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	1.8	5
11	Asynchronous Accumulation of Organic Carbon and Nitrogen in the Atlantic Gateway to the Arctic Ocean. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	17
12	Seasonal Variation in Transport of Zooplankton Into the Arctic Basin Through the Atlantic Gateway, Fram Strait. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	86
13	Seasonality of the Physical and Biogeochemical Hydrography in the Inflow to the Arctic Ocean Through Fram Strait. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	84
14	Episodic Arctic CO2 Limitation in the West Svalbard Shelf. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	25
15	Small copepods matter: population dynamics of <i>Microsetella norvegica</i> in a high-latitude coastal ecosystem. <i>Journal of Plankton Research</i> , 2018, 40, 446-457.	1.8	10
16	Seasonal dynamics of meroplankton in a high-latitude fjord. <i>Journal of Marine Systems</i> , 2017, 168, 17-30.	2.1	28
17	Continuous daylight in the high-Arctic summer supports high plankton respiration rates compared to those supported in the dark. <i>Scientific Reports</i> , 2017, 7, 1247.	3.3	11
18	Upward nitrate flux and downward particulate organic carbon flux under contrasting situations of stratification and turbulent mixing in an Arctic shelf sea. <i>Elementa</i> , 2017, 5, .	3.2	7



#	ARTICLE	IF	CITATIONS
37	Spring bloom dynamics in Kongsfjorden, Svalbard: nutrients, phytoplankton, protozoans and primary production. <i>Polar Biology</i> , 2012, 35, 191-203.	1.2	143
38	Future Arctic Ocean Seasonal Ice Zones and Implications for Pelagic-Benthic Coupling. <i>Oceanography</i> , 2011, 24, 220-231.	1.0	269
39	Intra-regional comparison of productivity, carbon flux and ecosystem composition within the northern Barents Sea. <i>Progress in Oceanography</i> , 2011, 90, 33-46.	3.2	74
40	Closing the loop – Approaches to monitoring the state of the Arctic Mediterranean during the International Polar Year 2007–2008. <i>Progress in Oceanography</i> , 2011, 90, 62-89.	3.2	47
41	Effects of mortality changes on biomass and production in <i>Calanus</i> spp. populations. <i>Aquatic Biology</i> , 2011, 12, 129-145.	1.4	11
42	Microbial communities and processes in ice-covered Arctic waters of the northwestern Fram Strait (75 to 80°N) during the vernal pre-bloom phase. <i>Aquatic Microbial Ecology</i> , 2011, 64, 253-266.	1.8	30
43	Experimental evaluation of planktonic respiration response to warming in the European Arctic Sector. <i>Polar Biology</i> , 2010, 33, 1661-1671.	1.2	57
44	Zooplankton-mediated carbon export: A seasonal study in a northern Norwegian fjord. <i>Marine Biology Research</i> , 2010, 6, 461-471.	0.7	18
45	A carbon budget for the Barents Sea. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2010, 57, 1532-1542.	1.4	21
46	Ice algal assemblages and vertical export of organic matter from sea ice in the Barents Sea and Nansen Basin (Arctic Ocean). <i>Polar Biology</i> , 2009, 32, 1261-1273.	1.2	39
47	Trophic model of a lightly exploited cod-dominated ecosystem. <i>Ecological Modelling</i> , 2008, 214, 95-111.	2.5	25
48	Dividing mesozooplankton into upper and lower size groups: Applications to the grazing impact in the Marginal Ice Zone of the Barents Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2008, 55, 2245-2256.	1.4	41
49	Vertical flux regulation by zooplankton in the northern Barents Sea during Arctic spring. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2008, 55, 2320-2329.	1.4	67
50	Vertical export of particulate organic carbon: Attenuation, composition and loss rates in the northern Barents Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2008, 55, 2308-2319.	1.4	98
51	Influence of spatial heterogeneity on the type of zooplankton functional response: A study based on field observations. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2008, 55, 2285-2291.	1.4	18
52	Pelagic–benthic coupling in the western Barents Sea: Processes and time scales. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2008, 55, 2372-2380.	1.4	116
53	Pelagic and sympagic contribution of organic matter to zooplankton and vertical export in the Barents Sea marginal ice zone. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2008, 55, 2330-2339.	1.4	75
54	Organic matter characterization in Barents Sea and eastern Arctic Ocean during summer. <i>Marine Chemistry</i> , 2007, 105, 151-165.	2.3	11

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55	The fate of production in the central Arctic Ocean – top-down regulation by zooplankton expatriates?. Progress in Oceanography, 2007, 72, 84-113.	3.2	120
56	Export or retention? Copepod abundance, faecal pellet production and vertical flux in the marginal ice zone through snap shots from the northern Barents Sea. Polar Biology, 2007, 30, 719-730.	1.2	56
57	Does Phaeocystis spp. contribute significantly to vertical export of organic carbon?. Biogeochemistry, 2007, 83, 217-234.	3.5	82
58	Does Phaeocystis spp. contribute significantly to vertical export of organic carbon?. , 2007, , 217-234.		7
59	PARTITIONING OF POLYCHLORINATED BIPHENYLS BETWEEN ARCTIC SEAWATER AND SIZE-FRACTIONATED ZOOPLANKTON. Environmental Toxicology and Chemistry, 2006, 25, 1720.	4.3	29
60	Significance of vertical flux as a sink for surface water DMSP and as a source for the sediment surface in coastal zones of northern Europe. Estuarine, Coastal and Shelf Science, 2006, 68, 473-488.	2.1	15
61	Modelling the ecosystem dynamics of the Barents Sea including the marginal ice zone. Journal of Marine Systems, 2006, 59, 1-24.	2.1	167
62	Food webs and carbon flux in the Barents Sea. Progress in Oceanography, 2006, 71, 232-287.	3.2	380
63	Organic matter characterization and fate in the sub-arctic Norwegian fjords during the late spring/summer period. Estuarine, Coastal and Shelf Science, 2005, 62, 95-107.	2.1	17
64	The contribution of single and colonial cells of Phaeocystis pouchetii to spring and summer blooms in the north-eastern North Atlantic. Harmful Algae, 2005, 4, 823-840.	4.8	47
65	Fate of copepod faecal pellets and the role of Oithona spp.. Marine Ecology - Progress Series, 2005, 304, 265-270.	1.9	56
66	Variations in hydrography, nutrients and chlorophyll a in the marginal ice-zone and the central Barents Sea. Journal of Marine Systems, 2002, 38, 9-29.	2.1	154
67	On the trophic fate of Phaeocystis pouchetii. VII. Sterols and fatty acids reveal sedimentation of P. pouchetii-derived organic matter via krill. Marine Ecology - Progress Series, 2001, 209, 55-69.	1.9	41
68	Seasonal variation in hydrography, nutrients, and suspended biomass in a subarctic fjord: Applying hydrographic features and biological markers to trace water masses and circulation significant for phytoplankton production. Sarsia, 2000, 85, 237-249.	0.5	26
69	Comparison of the springtime vertical export of biogenic matter in three northern Norwegian fjords. Marine Ecology - Progress Series, 2000, 201, 73-89.	1.9	58
70	Sources of settling material: aggregation and zooplankton mediated fluxes in the Gulf of Riga. Journal of Marine Systems, 1999, 23, 197-210.	2.1	24
71	Seasonal and spatial variation of suspended and sedimented nutrients (C, N, P) in the pelagic system of the Gulf of Riga. Journal of Marine Systems, 1999, 23, 211-232.	2.1	20
72	Influence of dissolved silicate on vertical flux of particulate biogenic matter. Marine Pollution Bulletin, 1996, 33, 10-21.	5.0	26

#	ARTICLE	IF	CITATIONS
73	Importance of advection for pelagic-benthic coupling in north Norwegian fjords. <i>Sarsia</i> , 1996, 80, 245-257.	0.5	39
74	Selected aspects of the physical oceanography and particle fluxes in fjords of northern Norway. <i>Journal of Marine Systems</i> , 1996, 8, 53-71.	2.1	84
75	Pelagic-Benthic Coupling in the Nordic Seas: The Role of Episodic Events. <i>Marine Ecology</i> , 1996, 17, 447-471.	1.1	42
76	On the trophic fate of <i>Phaeocystis pouchetii</i> (hariot): VI. Significance of <i>Phaeocystis</i> -derived mucus for vertical flux. <i>Journal of Sea Research</i> , 1995, 33, 193-203.	1.0	120
77	Surface aggregations of <i>Calanus finmarchicus</i> during the polar night. <i>ICES Journal of Marine Science</i> , 0, , .	2.5	1