

Stein Kaartvedt

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

2,237
citations

201575

27
h-index

243529

44
g-index

67
all docs

67
docs citations

67
times ranked

2161
citing authors

#	ARTICLE	IF	CITATIONS
1	Mesoscale Eddies Are Oases for Higher Trophic Marine Life. PLoS ONE, 2012, 7, e30161.	1.1	190
2	Vertical distribution and trophic interactions of zooplankton and fish in Masfjorden, Norway. Sarsia, 1990, 75, 65-81.	0.5	131
3	Intercomparison of zooplankton (net) sampling systems: Results from the ICES/GLOBEC sea-going workshop. Progress in Oceanography, 2013, 108, 1-42.	1.5	122
4	Trophic Structure and Community Stability in an Overfished Ecosystem. Science, 2010, 329, 333-336.	6.0	111
5	Vertical distribution and mortality of overwintering Calanus. Limnology and Oceanography, 2001, 46, 1494-1510.	1.6	96
6	Fish or jellies-a question of visibility?. Limnology and Oceanography, 1999, 44, 1352-1357.	1.6	86
7	Habitat preference during overwintering and timing of seasonal vertical migration of Calanus finmarchicus. Ophelia, 1996, 44, 145-156.	0.3	81
8	Light penetration structures the deep acoustic scattering layers in the global ocean. Science Advances, 2017, 3, e1602468.	4.7	79
9	Zooplankton patch dynamics: daily gap formation over abrupt topography. Deep-Sea Research Part I: Oceanographic Research Papers, 1994, 41, 941-951.	0.6	65
10	Distribution and diel vertical movements of mesopelagic scattering layers in the Red Sea. Marine Biology, 2012, 159, 1833-1841.	0.7	59
11	An evaluation of acoustic and video methods to estimate the abundance and vertical distribution of jellyfish. Journal of Plankton Research, 2003, 25, 1307-1318.	0.8	55
12	Pushing the limits of photoreception in twilight conditions: The rod-like cone retina of the deep-sea pearlshells. Science Advances, 2017, 3, eaao4709.	4.7	55
13	Diel vertical migration of individual jellyfish (Periphylla periphylla). Limnology and Oceanography, 2007, 52, 975-983.	1.6	53
14	Oceanic distribution and life cycle of Calanus species in the Norwegian Sea and adjacent waters. Deep-Sea Research Part II: Topical Studies in Oceanography, 2009, 56, 1910-1921.	0.6	53
15	Marine ecosystem acoustics (MEA): quantifying processes in the sea at the spatio-temporal scales on which they occur. ICES Journal of Marine Science, 2014, 71, 2357-2369.	1.2	47
16	Hypoxia Tolerance and Metabolic Suppression in Oxygen Minimum Zone Euphausiids: Implications for Ocean Deoxygenation and Biogeochemical Cycles. Integrative and Comparative Biology, 2016, 56, 510-523.	0.9	40
17	Light comfort zones of mesopelagic acoustic scattering layers in two contrasting optical environments. Deep-Sea Research Part I: Oceanographic Research Papers, 2016, 113, 1-6.	0.6	38
18	Top-down cascades in lakes and oceans: different perspectives but same story?. Journal of Plankton Research, 2014, 36, 914-924.	0.8	37

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19	Diel Vertical Migration Behaviour of the Northern Krill (<i>Meganyctiphanes norvegica</i> Sars). <i>Advances in Marine Biology</i> , 2010, 57, 255-275.	0.7	36
20	Seasonal variations in vertical migration of glacier lanternfish, <i>Benthoosema glaciale</i> . <i>Marine Biology</i> , 2012, 159, 1673-1683.	0.7	36
21	Seasonal development of mixed layer depths, nutrients, chlorophyll and <i>Calanus finmarchicus</i> in the Norwegian Sea – A basin-scale habitat comparison. <i>Progress in Oceanography</i> , 2012, 103, 58-79.	1.5	35
22	Inverse vertical migration and feeding in glacier lanternfish (<i>Benthoosema glaciale</i>). <i>Marine Biology</i> , 2012, 159, 443-453.	0.7	35
23	Vertical migration and diel feeding periodicity of the skinnycheek lanternfish (<i>Benthoosema pterotum</i>) in the Red Sea. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2013, 72, 9-16.	0.6	33
24	Assessing the distribution and abundance of zooplankton: a comparison of acoustic and net-sampling methods with D-BAD MOCNESS. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1998, 45, 1219-1237.	0.6	32
25	The acoustic properties of <i>Salpa thompsoni</i> . <i>ICES Journal of Marine Science</i> , 2010, 67, 583-593.	1.2	31
26	Enlightening the ocean's twilight zone. <i>ICES Journal of Marine Science</i> , 2019, 76, 803-812.	1.2	29
27	Diel changes in small-scale vertical distribution of hyperbenthic mysids. <i>Sarsia</i> , 1985, 70, 287-295.	0.5	28
28	Krill (<i>Meganyctiphanes norvegica</i>) swim faster at night. <i>Limnology and Oceanography</i> , 2011, 56, 765-774.	1.6	28
29	Large scale distribution of acoustical scattering layers at the Norwegian continental shelf and the Eastern Norwegian Sea. <i>Sarsia</i> , 1997, 82, 87-96.	0.5	27
30	Seasonal vertical migrations of <i>Calanus</i> spp. in Oslofjorden. <i>Sarsia</i> , 2000, 85, 299-311.	0.5	26
31	Split-beam target tracking can be used to study the swimming behaviour of deep-living plankton in situ. <i>Aquatic Living Resources</i> , 2003, 16, 293-298.	0.5	26
32	Impact of freshwater runoff on physical oceanography and plankton distribution in a Western Norwegian fjord: an experiment with a controlled discharge from a hydroelectric power plant. <i>Estuarine, Coastal and Shelf Science</i> , 1990, 31, 381-395.	0.9	24
33	In situ target strength and behaviour of northern krill (<i>Meganyctiphanes norvegica</i>). <i>ICES Journal of Marine Science</i> , 2006, 63, 1726-1735.	1.2	22
34	The Submarine Volcano Eruption off El Hierro Island: Effects on the Scattering Migrant Biota and the Evolution of the Pelagic Communities. <i>PLoS ONE</i> , 2014, 9, e102354.	1.1	22
35	Fish are attracted to vessels. <i>ICES Journal of Marine Science</i> , 2006, 63, 1431-1437.	1.2	21
36	Deep-sea amphipod swarms. <i>Nature</i> , 1992, 358, 25-26.	13.7	18

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37	Beyond the average: Diverse individual migration patterns in a population of mesopelagic jellyfish. <i>Limnology and Oceanography</i> , 2011, 56, 2189-2199.	1.6	18
38	Nocturnal swimming of gammaridean amphipod and cumacean Crustacea in Masfjorden, Norway. <i>Sarsia</i> , 1989, 74, 187-193.	0.5	17
39	Planktivorous fish in a future Arctic Ocean of changing ice and unchanged photoperiod. <i>ICES Journal of Marine Science</i> , 2018, 75, 2312-2318.	1.2	17
40	Effect of freshwater discharge, intrusions of coastal water, and bathymetry on zooplankton distribution in a Norwegian fjord system. <i>Journal of Plankton Research</i> , 1995, 17, 493-511.	0.8	15
41	Vertical distribution and migration of euphausiid species in the Red Sea. <i>Journal of Plankton Research</i> , 2016, 38, 888-903.	0.8	15
42	A deep sea community at the Kebrit brine pool in the Red Sea. <i>Marine Biodiversity</i> , 2016, 46, 59-65.	0.3	15
43	The diel vertical migration patterns and individual swimming behavior of overwintering sprat <i>Sprattus sprattus</i> . <i>Progress in Oceanography</i> , 2017, 151, 49-61.	1.5	15
44	Advection of euphausiids in a Norwegian fjord system subject to altered freshwater input by hydro-electric power production. <i>Journal of Plankton Research</i> , 1990, 12, 1263-1277.	0.8	14
45	Ecology of overwintering sprat (<i>Sprattus sprattus</i>). <i>Progress in Oceanography</i> , 2015, 138, 116-135.	1.5	14
46	Impact of a controlled freshwater discharge on zooplankton distribution in a Norwegian fjord. <i>Journal of Experimental Marine Biology and Ecology</i> , 1992, 162, 279-293.	0.7	13
47	Vertical distribution and diel vertical migration of krill beneath snow-covered ice and in ice-free waters. <i>Journal of Plankton Research</i> , 2014, 36, 503-512.	0.8	13
48	Seasonality and toxin production of <i>Pyrodinium bahamense</i> in a Red Sea lagoon. <i>Harmful Algae</i> , 2016, 55, 163-171.	2.2	13
49	Flexible behaviour in a mesopelagic fish (<i>Maurollicus muelleri</i>). <i>ICES Journal of Marine Science</i> , 2021, 78, 1623-1635.	1.2	13
50	State-dependent vertical distribution of the carnivore copepod <i>Pareuchaeta norvegica</i> . <i>Journal of Plankton Research</i> , 2004, 27, 19-26.	0.8	12
51	Vertical migration, feeding and colouration in the mesopelagic shrimp <i>Sergestes arcticus</i> . <i>Journal of Plankton Research</i> , 2009, 31, 1427-1435.	0.8	12
52	Diel vertical migration and individual behavior of nekton beyond the ocean's twilight zone. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2020, 160, 103280.	0.6	12
53	Plasticity in coloration as an antipredator strategy among zooplankton. <i>Limnology and Oceanography</i> , 2006, 51, 1931-1934.	1.6	10
54	Seasonal and diel patterns in sedimentary flux of krill fecal pellets recorded by an echo sounder. <i>Limnology and Oceanography</i> , 2013, 58, 1985-1997.	1.6	10

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55	Surfacing behavior and gas release of the physostome sprat (<i>Sprattus sprattus</i>) in ice-free and ice-covered waters. <i>Marine Biology</i> , 2014, 161, 285-296.	0.7	9
56	Impact of hatch date on early life growth and survival of Mueller's pearlside (<i>Maurollicus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70 Sciences, 2016, 73, 163-176.	0.7	9
57	Nighttime Swimming Behavior of a Mesopelagic Fish. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	9
58	Deviating vertical distribution and increased conspicuousness of parasitized <i>Calanus</i> . <i>Limnology and Oceanography</i> , 2002, 47, 1187-1191.	1.6	8
59	Zooplankton at deep Red Sea brine pools. <i>Journal of Plankton Research</i> , 2016, 38, 679-684.	0.8	8
60	Jellyfish distribute vertically according to irradiance. <i>Journal of Plankton Research</i> , 2017, 39, 280-289.	0.8	8
61	Poleward distribution of mesopelagic fishes is constrained by seasonality in light. <i>Global Ecology and Biogeography</i> , 2022, 31, 546-561.	2.7	7
62	Reply to Horizons Article 'Some ideas about the role of lipids in the life cycle of <i>Calanus finmarchicus</i> ' Irigoien (2004): II. <i>Journal of Plankton Research</i> , 2004, 26, 980-981.	0.8	6
63	Vertical distribution, feeding and vulnerability to tactile predation in <i>Metridia longa</i> (Copepoda, Calanoida). <i>Marine Biology Research</i> , 2013, 9, 949-957.	0.3	3
64	Acoustic backscatter at a Red Sea whale shark aggregation site. <i>Regional Studies in Marine Science</i> , 2018, 20, 23-33.	0.4	3
65	Sleep walking copepods? <i>Calanus</i> diapausing in hypoxic waters adjust their vertical position during winter. <i>Journal of Plankton Research</i> , 2021, 43, 199-208.	0.8	2
66	Coordinated gas release among the physostomous fish sprat (<i>Sprattus sprattus</i>). <i>Scientific Reports</i> , 2021, 11, 13145.	1.6	0