Leif Christian Stige

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5654025/publications.pdf

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72	2,919	186209	182361
papers	citations	28	51
		h-index	g-index

73	73	73	3945
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mushroom fruiting and climate change. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3811-3814.	3.3	166
2	The effect of climate variation on agro-pastoral production in Africa. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 3049-3053.	3.3	159
3	Climate variation drives dengue dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 113-118.	3.3	159
4	Trait changes in a harvested population are driven by a dynamic tug-of-war between natural and harvest selection. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 15799-15804.	3.3	153
5	Cod and climate: effect of the North Atlantic Oscillation on recruitment in the North Atlantic. Marine Ecology - Progress Series, 2006, 325, 227-241.	0.9	137
6	Climate effects on Barents Sea ecosystem dynamics. ICES Journal of Marine Science, 2012, 69, 1303-1316.	1.2	136
7	Productivity in the Barents Sea - Response to Recent Climate Variability. PLoS ONE, 2014, 9, e95273.	1.1	123
8	Thousand-year-long Chinese time series reveals climatic forcing of decadal locust dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 16188-16193.	3.3	114
9	Shifting dynamic forces in fish stock fluctuations triggered by age truncation?. Global Change Biology, 2011, 17, 3046-3057.	4.2	85
10	Reconstruction of a 1,910-y-long locust series reveals consistent associations with climate fluctuations in China. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14521-14526.	3.3	85
11	Climate change and spring-fruiting fungi. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 1169-1177.	1.2	81
12	Climate and population density drive changes in cod body size throughout a century on the Norwegian coast. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1961-1966.	3.3	79
13	A review of early life history dynamics of Barents Sea cod (Gadus morhua). ICES Journal of Marine Science, 2014, 71, 2064-2087.	1.2	79
14	Nonlinear effect of climate on plague during the third pandemic in China. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10214-10219.	3.3	74
15	Temporal shifts in recruitment dynamics of North Atlantic fish stocks: effects of spawning stock and temperature. Marine Ecology - Progress Series, 2013, 480, 205-225.	0.9	66
16	The effects of oil spills on marine fish: Implications of spatial variation in natural mortality. Marine Pollution Bulletin, 2017, 119, 102-109.	2.3	66
17	Densityâ€•and sizeâ€dependent mortality in fish early life stages. Fish and Fisheries, 2019, 20, 962-976.	2.7	57
18	Wet climate and transportation routes accelerate spread of human plague. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20133159.	1.2	53

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19	Periodic temperature-associated drought/flood drives locust plagues in China. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 823-831.	1.2	51
20	Spatiotemporal statistical analyses reveal predator-driven zooplankton fluctuations in the Barents Sea. Progress in Oceanography, 2014, 120, 243-253.	1.5	50
21	Predicting fish recruitment from juvenile abundance and environmental indices. Marine Ecology - Progress Series, 2013, 480, 245-261.	0.9	48
22	Climate and Demography Dictate the Strength of Predator-Prey Overlap in a Subarctic Marine Ecosystem. PLoS ONE, 2013, 8, e66025.	1.1	45
23	Direct and indirect climate forcing in a multi-species marine system. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 3411-3420.	1.2	43
24	Contrasting effects of rising temperatures on trophic interactions in marine ecosystems. Scientific Reports, 2019, 9, 15213.	1.6	41
25	Effects of environmental conditions on the seasonal distribution of phytoplankton biomass in the North Sea. Limnology and Oceanography, 2009, 54, 512-524.	1.6	36
26	Direct and indirect effects of sea ice cover on major zooplankton groups and planktivorous fishes in the Barents Sea. ICES Journal of Marine Science, 2019, 76, i24-i36.	1.2	35
27	Egg mortality of northeast Arctic cod (Gadus morhua) and haddock (Melanogrammus aeglefinus)â€. ICES Journal of Marine Science, 2014, 71, 1129-1136.	1.2	32
28	Effect of a fish stock's demographic structure on offspring survival and sensitivity to climate. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1347-1352.	3.3	32
29	On hidden heterogeneity in directional asymmetry - can systematic bias be avoided?. Journal of Evolutionary Biology, 2006, 19, 492-499.	0.8	31
30	A combination of hydrodynamical and statistical modelling reveals non-stationary climate effects on fish larvae distributions. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 275-283.	1.2	30
31	Impact of sewage pollution on two species of sea urchins in the Mediterranean Sea (Cortiou, France): Radial asymmetry as a bioindicator of stress. Ecological Indicators, 2015, 54, 39-47.	2.6	28
32	Climatic forcing of zooplankton dynamics is stronger during low densities of planktivorous fish. Limnology and Oceanography, 2009, 54, 1025-1036.	1.6	25
33	Historical and genomic data reveal the influencing factors on global transmission velocity of plague during the Third Pandemic. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11833-11838.	3.3	25
34	Cascading effects of mass mortality events in Arctic marine communities. Global Change Biology, 2017, 23, 283-292.	4.2	23
35	Ticket to spawn: Combining economic and genetic data to evaluate the effect of climate and demographic structure on spawning distribution in Atlantic cod. Global Change Biology, 2019, 25, 134-143.	4.2	23
36	Associations among temperature, sea ice and phytoplankton bloom dynamics in the Barents Sea. Marine Ecology - Progress Series, 2020, 635, 25-36.	0.9	23

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37	Spatial variations in mortality in pelagic early life stages of a marine fish (Gadus morhua). Progress in Oceanography, 2014, 127, 96-107.	1.5	21
38	Prey handling in raptors in relation to their morphology and feeding niches. Journal of Avian Biology, 2010, 41, 488-497.	0.6	20
39	Climate warming drives large-scale changes in ecosystem function. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12100-12102.	3.3	20
40	Temperature effects on Calanus finmarchicus vary in space, time and between developmental stages. Marine Ecology - Progress Series, 2014, 517, 85-104.	0.9	19
41	Combined statistical and mechanistic modelling suggests food and temperature effects on survival of early life stages of Northeast Arctic cod (Gadus morhua). Progress in Oceanography, 2015, 134, 138-151.	1.5	19
42	Disentangling the mechanisms behind climate effects on zooplankton. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1841-1846.	3.3	19
43	Predatorâ€prey interactions cause apparent competition between marine zooplankton groups. Ecology, 2018, 99, 632-641.	1.5	19
44	Diel vertical migration patterns in juvenile cod from the Skagerrak coast. Marine Ecology - Progress Series, 2010, 405, 29-37.	0.9	19
45	Match-mismatch dynamics in the Norwegian-Barents Sea system. Marine Ecology - Progress Series, 2020, 650, 81-94.	0.9	19
46	Severe food stress has no detectable impact on developmental instability inDaphnia magna. Oikos, 2004, 107, 519-530.	1.2	18
47	Reproductive strategy of a migratory fish stock: implications of spatial variations in natural mortality. Canadian Journal of Fisheries and Aquatic Sciences, 2016, 73, 1742-1749.	0.7	17
48	Global connectivity and cross-scale interactions create uncertainty for Blue Growth of Arctic fisheries. Marine Policy, 2018, 87, 321-330.	1.5	17
49	Contrasting correlation patterns between environmental factors and chlorophyll levels in the global ocean. Global Biogeochemical Cycles, 2015, 29, 2095-2107.	1.9	16
50	Age structure affects population productivity in an exploited fish species. Ecological Applications, 2022, 32, e2614.	1.8	16
51	Fitness, developmental instability, and the ontogeny of fluctuating asymmetry in Daphniaâ€ƒmagna. Biological Journal of the Linnean Society, 2006, 88, 179-192.	0.7	15
52	Habitat selection by a marine copepod during the productive season in the Subarctic. Marine Ecology - Progress Series, 2010, 416, 165-178.	0.9	15
53	Scale-dependent effects of climate on two copepod species, Calanus glacialis and Pseudocalanus minutus, in an Arctic-boreal sea. Marine Ecology - Progress Series, 2012, 468, 71-83.	0.9	14
54	Ontogenetic spatial constraints of subâ€arctic marine fish species. Fish and Fisheries, 2022, 23, 342-357.	2.7	14

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55	Environmental toxicology: Population modeling of cod larvae shows high sensitivity to loss of zooplankton prey. Marine Pollution Bulletin, 2011, 62, 395-398.	2.3	12
56	Sea ice, temperature, and prey effects on annual variations in mean lengths of a key Arctic fish, Boreogadus saida, in the Barents Sea. ICES Journal of Marine Science, 2020, 77, 1796-1805.	1.2	11
57	A Threshold Seaâ€Surface Temperature at 14Â°C for Phytoplankton Nonlinear Responses to Ocean Warming. Global Biogeochemical Cycles, 2021, 35, e2020GB006808.	1.9	11
58	Long-term coastal monitoring data show nutrient-driven reduction in chlorophyll. Journal of Sea Research, 2020, 164, 101925.	0.6	10
59	Large-scale season-dependent effects of temperature and zooplankton on phytoplankton in the North Atlantic. Marine Ecology - Progress Series, 2014, 502, 25-37.	0.9	9
60	To make the most of what we have: extracting phenological data from nestling measurements. International Journal of Biometeorology, 2011, 55, 797-804.	1.3	8
61	A statistical regression approach to estimate zooplankton mortality from spatiotemporal survey data. Journal of Plankton Research, 2016, 38, 624-635.	0.8	6
62	Multiâ€decadal variations in spawning ground use in Northeast Arctic haddock (Melanogrammus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.9	6
63	Combined effects of fishing and oil spills on marine fish: Role of stock demographic structure for offspring overlap with oil. Marine Pollution Bulletin, 2018, 129, 336-342.	2.3	5
64	Effects of climate and spawning stock structure on the spatial distribution of Northeast Arctic cod larvae. ICES Journal of Marine Science, 2021, 78, 666-679.	1.2	5
65	A statistical mechanistic approach including temperature and salinity effects to improve salmon lice modelling of infestation pressure. Aquaculture Environment Interactions, 2021, 13, 339-361.	0.7	5
66	Regional-scale phytoplankton dynamics and their association with glacier meltwater runoff in Svalbard. Biogeosciences, 2022, 19, 271-294.	1.3	4
67	Shedding light on the link between the spatial distribution of eggs and survival in Northeast Arctic cod. Fisheries Oceanography, 2021, 30, 429-436.	0.9	3
68	The role of spatial distribution for growth and survival of juvenile cod Gadus morhua in the Barents Sea. ICES Journal of Marine Science, 2021, 78, 2700-2708.	1.2	3
69	Environmental effects on Calanus finmarchicus abundance and depth distribution in the Barents Sea. ICES Journal of Marine Science, 2022, 79, 815-828.	1.2	3
70	Two Decades of Match-Mismatch in Northeast Arctic Cod â€“ Feeding Conditions and Survival. Frontiers in Marine Science, 2022, 9, .	1.2	3
71	Associations between timing and magnitude of spring blooms and zooplankton dynamics in the southwestern Barents Sea. Marine Ecology - Progress Series, 2021, 668, 57-72.	0.9	2
72	Macro-alga population shows low but significant heterogeneity in developmental instability with no detectable association with individual fitness. Biological Journal of the Linnean Society, 2007, 92, 277-286.	0.7	1