

# Olav Sigurd Kjesbu

## List of Publications by Year in descending order

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Version: 2024-02-01

74  
papers

3,026  
citations

218592

26  
h-index

168321

53  
g-index

77  
all docs

77  
docs citations

77  
times ranked

2629  
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-term interplay between harvest regimes and biophysical conditions may lead to persistent changes in age at sexual maturity of Northeast Arctic cod ( <i>Gadus morhua</i> ). Canadian Journal of Fisheries and Aquatic Sciences, 2022, 79, 576-586.	0.7	5
2	Linking the dynamic organization of the ovary with spawning dynamics in pelagic fishes. Marine Biology, 2022, 169, 1.	0.7	1
3	Tracking oocyte development and the timing of skipped spawning for north-east Arctic haddock ( <i>Melanogrammus aeglefinus</i> ). Journal of Fish Biology, 2022, 100, 1464-1474.	0.7	2
4	Highly mixed impacts of near-future climate change on stock productivity proxies in the North East Atlantic. Fish and Fisheries, 2022, 23, 601-615.	2.7	24
5	Is it possible to photoperiod manipulate spawning time in planktivorous fish? A long-term experiment on Atlantic herring. Journal of Experimental Marine Biology and Ecology, 2022, 552, 151737.	0.7	5
6	Environmental influences on Norwegian spring-spawning herring ( <i>Clupea harengus</i> L.) larvae reveal recent constraints in recruitment success. ICES Journal of Marine Science, 2021, 78, 640-652.	1.2	16
7	Quantitative molecular detection of larval Atlantic herring ( <i>Clupea harengus</i> ) in stomach contents of Atlantic mackerel ( <i>Scomber scombrus</i> ) marks regions of predation pressure. Scientific Reports, 2021, 11, 5095.	1.6	15
8	Genomic stability through time despite decades of exploitation in cod on both sides of the Atlantic. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	61
9	Drift Indices Confirm That Rapid Larval Displacement Is Essential for Recruitment Success in High-Latitude Oceans. Frontiers in Marine Science, 2021, 8, .	1.2	1
10	Adult body growth and reproductive investment vary markedly within and across Atlantic and Pacific herring: a meta-analysis and review of 26 stocks. Reviews in Fish Biology and Fisheries, 2021, 31, 685-708.	2.4	8
11	Bioenergetics of egg production in Northeast Atlantic mackerel changes the perception of fecundity type and annual trends in spawning stock biomass. Progress in Oceanography, 2021, 198, 102658.	1.5	11
12	The legacy of Johan Hjort: challenges and critical periodsâ€”past, present, and future. ICES Journal of Marine Science, 2021, 78, 621-630.	1.2	2
13	First thorough assessment of de novo oocyte recruitment in a teleost serial spawner, the Northeast Atlantic mackerel ( <i>Scomber scombrus</i> ) case. Scientific Reports, 2021, 11, 21795.	1.6	9
14	Otolith growth and zone formation during first maturity and spawning of Atlantic cod ( <i>Gadus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.7	10
15	Environmental stressors may cause unpredicted, notably lagged life-history responses in adults of the planktivorous Atlantic herring. Progress in Oceanography, 2020, 181, 102257.	1.5	9
16	Contrasting post-ovulatory follicle production in fishes with different spawning dynamics. Fisheries Research, 2020, 231, 105710.	0.9	0
17	Development of a new â€œultrametricâ€™ method for assessing spawning progression in female teleost serial spawners. Scientific Reports, 2020, 10, 9677.	1.6	10
18	From gametogenesis to spawning: How climate-driven warming affects teleost reproductive biology. Journal of Fish Biology, 2020, 97, 607-632.	0.7	67

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19	Management of transboundary and straddling fish stocks in the Northeast Atlantic in view of climate-induced shifts in spatial distribution. <i>Fish and Fisheries</i> , 2020, 21, 1008-1026.	2.7	23
20	Temperature and age effects on latitudinal growth dynamics of the commercially valuable gadoid Northeast Arctic saithe ( <i>Pollachius virens</i> ). <i>Fisheries Research</i> , 2019, 213, 94-104.	0.9	6
21	New insights in oocyte dynamics shed light on the complexities associated with fish reproductive strategies. <i>Scientific Reports</i> , 2019, 9, 18411.	1.6	28
22	Variation in growth, morphology and reproduction of the bearded goby ( <i>Sufflogobius bibarbatus</i> ) in varying oxygen environments of northern Benguela. <i>Journal of Marine Systems</i> , 2018, 188, 81-97.	0.9	12
23	Oogenesis and reproductive investment of Atlantic herring are functions of not only present but long-ago environmental influences as well. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2634-2639.	3.3	32
24	Ontogenetic development of otolith shape during settlement of juvenile Barents Sea cod ( <i>Gadus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.2	7
25	The North Atlantic Spring-Bloom System—Where the Changing Climate Meets the Winter Dark. <i>Frontiers in Marine Science</i> , 2016, 3, .	1.2	45
26	Ecosystem processes are rarely included in tactical fisheries management. <i>Fish and Fisheries</i> , 2016, 17, 165-175.	2.7	220
27	Recent advances in statistical methodology applied to the Hjord liver index time series (1859–2012) and associated influential factors. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2016, 73, 279-295.	0.7	8
28	Johan Hjord Symposium on Recruitment Dynamics and Stock Variability. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2016, 73, vii-xi.	0.7	2
29	Preferential amplification of repetitive DNA during whole genome sequencing library creation from historic samples. <i>Science and Technology of Archaeological Research</i> , 2016, 2, 36-45.	2.4	14
30	Contrasting batch fecundity estimates of albacore ( <i>Thunnus alalunga</i> ), an indeterminate spawner, by different laboratory techniques. <i>Fisheries Research</i> , 2016, 176, 76-85.	0.9	7
31	Connecting the Seas of Norden. <i>Nature Climate Change</i> , 2015, 5, 89-92.	8.1	25
32	Stereological comparison of oocyte recruitment and batch fecundity estimates from paraffin and resin sections using spawning albacore ( <i>Thunnus alalunga</i> ) ovaries as a case study. <i>Journal of Sea Research</i> , 2015, 95, 226-238.	0.6	14
33	Experimental Parameterisation of Principal Physics in Buoyancy Variations of Marine Teleost Eggs. <i>PLoS ONE</i> , 2014, 9, e104089.	1.1	18
34	Synergies between climate and management for Atlantic cod fisheries at high latitudes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 3478-3483.	3.3	173
35	Making use of Johan Hjord's "unknown" legacy: reconstruction of a 150-year coastal time-series on northeast Arctic cod ( <i>Gadus morhua</i> ) liver data reveals long-term trends in energy allocation patterns. <i>ICES Journal of Marine Science</i> , 2014, 71, 2053-2063.	1.2	17
36	Size-, energy- and stage-dependent fecundity and the occurrence of atresia in the Northeast Arctic haddock <i>Melanogrammus aeglefinus</i> . <i>Fisheries Research</i> , 2013, 138, 120-127.	0.9	19

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37	Strategies for partition between body growth and reproductive investment in migratory and stationary populations of spring-spawning Atlantic herring ( <i>Clupea harengus</i> L.). <i>Fisheries Research</i> , 2013, 138, 71-79.	0.9	20
38	Contrasting development and delivery of realised fecundity in Atlantic cod ( <i>Gadus morhua</i> ) stocks from cold and warm waters. <i>Fisheries Research</i> , 2013, 138, 128-138.	0.9	10
39	A simulation framework for evaluating fisheries management decisions using environmental information. <i>ICES Journal of Marine Science</i> , 2013, 70, 743-754.	1.2	7
40	Frequent skipped spawning in the world's largest cod population. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 8995-8999.	3.3	90
41	Dynamics of de novo vitellogenesis in fish with indeterminate fecundity: an application of oocyte packing density theory to European anchovy, <i>Engraulis encrasicolus</i> . <i>Marine Biology</i> , 2012, 159, 757-768.	0.7	33
42	Emergence of an oocytic circumnuclear ring in response to increasing day length in Atlantic herring ( <i>Clupea harengus</i> ). <i>Marine Biology</i> , 2012, 159, 341-353.	0.7	15
43	Quantification of Primary and Secondary Oocyte Production in Atlantic Cod by Simple Oocyte Packing Density Theory. <i>Marine and Coastal Fisheries</i> , 2011, 3, 92-105.	0.6	23
44	Greenland halibut ( <i>Reinhardtius hippoglossoides</i> ) spawn annually but successive cohorts of oocytes develop over 2 years, complicating correct assessment of maturity. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2011, 68, 201-209.	0.7	29
45	Evaluation of the frequency of skipped spawning in Norwegian spring-spawning herring. <i>Journal of Sea Research</i> , 2011, 65, 327-332.	0.6	9
46	Sexual dimorphism of drumming muscles in European hake ( <i>Merluccius merluccius</i> ). <i>Environmental Biology of Fishes</i> , 2011, 91, 7-13.	0.4	12
47	The role of fecundity regulation and abortive maturation in the reproductive strategy of Norwegian spring-spawning herring ( <i>Clupea harengus</i> ). <i>Marine Biology</i> , 2011, 158, 1287-1299.	0.7	22
48	Rebuilding depleted fish stocks: biology, ecology, social science, and management strategies. <i>ICES Journal of Marine Science</i> , 2010, 67, 1825-1829.	1.2	12
49	The fate of vitellogenic follicles in experimentally monitored Atlantic cod <i>Gadus morhua</i> (L.): Application to stock assessment. <i>Fisheries Research</i> , 2010, 104, 27-37.	0.9	33
50	How are the oocytes recruited in an indeterminate fish? Applications of stereological techniques along with advanced packing density theory on European hake ( <i>Merluccius merluccius</i> L.). <i>Fisheries Research</i> , 2010, 104, 56-63.	0.9	43
51	Investment in maturity-at-age and -length in northeast Atlantic cod stocks. <i>Fisheries Research</i> , 2010, 104, 89-99.	0.9	22
52	Stereological calibration of the profile method to quickly estimate atresia levels in fish. <i>Fisheries Research</i> , 2010, 104, 8-18.	0.9	25
53	Fecundity and growth of Atlantic cod ( <i>Gadus morhua</i> L.) along a latitudinal gradient. <i>Fisheries Research</i> , 2010, 104, 45-55.	0.9	49
54	Long-term changes in the total egg production of Norwegian spring-spawning herring <i>Clupea harengus</i> (L.) – Implications of variations in population structure and condition factor. <i>Fisheries Research</i> , 2010, 104, 19-26.	0.9	12

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55	Sperm motility in European hake, <i>Merluccius merluccius</i> , and characterization of its spermatozoa concentration and volume, spermatocrit, osmolality and pH. <i>Aquaculture</i> , 2010, 301, 31-36.	1.7	12
56	Thermal dynamics of ovarian maturation in Atlantic cod ( <i>Gadus morhua</i> ). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2010, 67, 605-625.	0.7	101
57	Do capital breeders like Atlantic herring ( <i>Clupea harengus</i> ) exhibit sensitive periods of nutritional control on ovary development and fecundity regulation?. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2010, 67, 16-27.	0.7	42
58	Efecto de la ración alimenticia sobre la maduración gonadal y acumulación de grasa de anchoveta peruana ( <i>Engraulis ringens</i> Jenyns, 1842) en cautiverio. <i>Latin American Journal of Aquatic Research</i> , 2009, 37, 181-190.	0.2	2
59	Oocyte development in captive Atlantic horse mackerel <i>Trachurus trachurus</i> . <i>ICES Journal of Marine Science</i> , 2009, 66, 623-630.	1.2	20
60	Fecundity estimation by oocyte packing density formulae in determinate and indeterminate spawners: Theoretical considerations and applications. <i>Journal of Sea Research</i> , 2009, 61, 188-196.	0.6	54
61	Mechanisms regulating oocyte recruitment and skipped spawning in Northeast Arctic cod ( <i>Gadus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 53	0.7	53
62	Fecundity, atresia, and spawning strategies of Atlantic herring ( <i>Clupea harengus</i> ). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2009, 66, 2130-2141.	0.7	52
63	Effects of alkylphenols on the reproductive system of Atlantic cod ( <i>Gadus morhua</i> ). <i>Aquatic Toxicology</i> , 2007, 81, 207-218.	1.9	84
64	Timing and determination of potential fecundity in Atlantic cod ( <i>Gadus morhua</i> ). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2006, 63, 310-320.	0.7	53
65	Systematic bias in estimates of reproductive potential of an Atlantic cod ( <i>Gadus morhua</i> ) stock: implications for stock-recruit theory and management. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2006, 63, 980-994.	0.7	116
66	Association between Growth and Pan I*Genotype within Atlantic Cod Full-Sibling Families. <i>Transactions of the American Fisheries Society</i> , 2006, 135, 241-250.	0.6	33
67	Effects of population size/age structure, condition and temporal dynamics of spawning on reproductive output in Atlantic cod ( <i>Gadus morhua</i> ). <i>Ecological Modelling</i> , 2006, 191, 383-415.	1.2	100
68	Gadoid mariculture: development and future challenges. <i>ICES Journal of Marine Science</i> , 2006, 63, 187-191.	1.2	40
69	Growth, gonadal development and spawning time of Atlantic cod ( <i>Gadus morhua</i> ) reared under different photoperiods. <i>Aquaculture</i> , 2001, 203, 51-67.	1.7	147
70	Total lipid energy as a proxy for total egg production by fish stocks. <i>Nature</i> , 1999, 402, 288-290.	13.7	268
71	Is spawner biomass a sensitive measure of the reproductive and recruitment potential of Northeast Arctic cod?. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1998, 55, 1766-1783.	0.7	271
72	Effects of periodic starvation on reproductive investment in first-time spawning Atlantic cod ( <i>Gadus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 125	0.7	125

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73	A simple method for determining the maturity stages of Northeast Arctic cod ( <i>Gadus morhua</i> L.) by <i>in vitro</i> examination of oocytes. Sarsia, 1991, 75, 335-338.	0.5	45
74	Increasing temperature and prey availability affect the growth and swimming kinematics of Atlantic herring ( <i>Clupea harengus</i> ) larvae. Journal of Plankton Research, 0, , .	0.8	5