

# Peter GrÃ¼nkjÃ¼r

## List of Publications by Year in descending order

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76  
papers

2,448  
citations

172386

29  
h-index

223716

46  
g-index

76  
all docs

76  
docs citations

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times ranked

2927  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence of a hybrid zone in Atlantic cod ( <i>Gadus morhua</i> ) in the Baltic and the Danish Belt Sea revealed by individual admixture analysis. <i>Molecular Ecology</i> , 2003, 12, 1497-1508.	2.0	206
2	Evolutionary mechanisms shaping the genetic population structure of marine fishes; lessons from the European flounder ( <i>Platichthys flesus</i> L.). <i>Molecular Ecology</i> , 2007, 16, 3104-3118.	2.0	125
3	Population of origin of Atlantic cod. <i>Nature</i> , 2001, 413, 272-272.	13.7	111
4	Adaptive differences in gene expression in European flounder ( <i>Platichthys flesus</i> ). <i>Molecular Ecology</i> , 2007, 16, 4674-4683.	2.0	111
5	Long-term stability and effective population size in North Sea and Baltic Sea cod ( <i>Gadus morhua</i> ). <i>Molecular Ecology</i> , 2005, 15, 321-331.	2.0	107
6	Arctic warming will promote Atlantic-Pacific fish interchange. <i>Nature Climate Change</i> , 2015, 5, 261-265.	8.1	86
7	Experimental evidence for selection against fish larvae with high metabolic rates in a food limited environment. <i>Marine Biology</i> , 2005, 147, 1413-1417.	0.7	85
8	Ontogenetic and environmental effects on vertical distribution of cod larvae in the Bornholm Basin, Baltic Sea. <i>Marine Ecology - Progress Series</i> , 1997, 154, 91-105.	0.9	68
9	Otoliths as individual indicators: a reappraisal of the link between fish physiology and otolith characteristics. <i>Marine and Freshwater Research</i> , 2016, 67, 881.	0.7	63
10	Field metabolic rates of teleost fishes are recorded in otolith carbonate. <i>Communications Biology</i> , 2019, 2, 24.	2.0	59
11	Climate effects on size-at-age: growth in warming waters compensates for earlier maturity in an exploited marine fish. <i>Global Change Biology</i> , 2012, 18, 1812-1822.	4.2	53
12	Sandeel as a link between primary production and higher trophic levels on the Faroe shelf. <i>Marine Ecology - Progress Series</i> , 2011, 438, 185-194.	0.9	52
13	Nutritional condition and vertical distribution of Baltic cod larvae. <i>Journal of Fish Biology</i> , 1997, 51, 352-369.	0.7	50
14	Testing the larval drift hypothesis in the Baltic Sea: retention versus dispersion caused by wind-driven circulation. <i>ICES Journal of Marine Science</i> , 2001, 58, 973-984.	1.2	47
15	Stable coexistence of genetically divergent Atlantic cod ecotypes at multiple spatial scales. <i>Evolutionary Applications</i> , 2018, 11, 1527-1539.	1.5	47
16	Spatial variability of carbon ( $\delta^{13}C$ ) and nitrogen ( $\delta^{15}N$ ) stable isotope ratios in an Arctic marine food web. <i>Marine Ecology - Progress Series</i> , 2012, 467, 47-59.	0.9	47
17	Retention of juveniles within a hybrid zone between North Sea and Baltic Sea Atlantic cod ( <i>Gadus</i> )	0.7	46
18	Stable N and C isotopes in the organic matrix of fish otoliths: validation of a new approach for studying spatial and temporal changes in the trophic structure of aquatic ecosystems. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2013, 70, 143-146.	0.7	45

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19	Genomic parallelism and lack thereof in contrasting systems of three-spined sticklebacks. <i>Molecular Ecology</i> , 2018, 27, 4725-4743.	2.0	44
20	Parental effects on early life history traits of Atlantic herring ( <i>Clupea harengus</i> L.) larvae. <i>Journal of Experimental Marine Biology and Ecology</i> , 2006, 334, 51-63.	0.7	43
21	Archived DNA reveals fisheries and climate induced collapse of a major fishery. <i>Scientific Reports</i> , 2015, 5, 15395.	1.6	40
22	Individual variation in the rate of oxygen consumption by zebrafish embryos. <i>Journal of Fish Biology</i> , 2004, 64, 1285-1296.	0.7	39
23	Feeding ecology and growth of age 0 year <i>Platichthys flesus</i> (L.) in a vegetated and a bare sand habitat in a nutrient rich fjord. <i>Journal of Fish Biology</i> , 2005, 66, 531-552.	0.7	39
24	Historical DNA documents long-distance natal homing in marine fish. <i>Molecular Ecology</i> , 2016, 25, 2727-2734.	2.0	39
25	Fluctuating asymmetry and nutritional condition of Baltic cod ( <i>Gadus morhua</i> ) larvae. <i>Marine Biology</i> , 2003, 143, 191-197.	0.7	38
26	Greenland Shark ( <i>Somniosus microcephalus</i> ) Stomach Contents and Stable Isotope Values Reveal an Ontogenetic Dietary Shift. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	38
27	Tissue-specific turnover rates and trophic enrichment of stable N and C isotopes in juvenile Atlantic cod <i>Gadus morhua</i> fed three different diets. <i>Marine Ecology - Progress Series</i> , 2012, 461, 197-209.	0.9	35
28	Otolith $\delta^{13}C$ values as a metabolic proxy: approaches and mechanical underpinnings. <i>Marine and Freshwater Research</i> , 2019, 70, 1747.	0.7	33
29	Impact of three-spined stickleback <i>Gasterosteus aculeatus</i> on zooplankton and chl a in shallow, eutrophic, brackish lakes. <i>Marine Ecology - Progress Series</i> , 2003, 262, 277-284.	0.9	31
30	Marking pike fry otoliths with alizarin complexone and strontium: an evaluation of methods. <i>Journal of Fish Biology</i> , 2001, 59, 745-750.	0.7	29
31	Early development of <i>Calanus hyperboreus</i> nauplii: Response to a changing ocean. <i>Limnology and Oceanography</i> , 2013, 58, 2109-2121.	1.6	28
32	Restoring lakes by using artificial plant beds: habitat selection of zooplankton in a clear and a turbid shallow lake. <i>Freshwater Biology</i> , 2009, 54, 1520-1531.	1.2	27
33	Vertical distribution and growth performance of Baltic cod larvae – Field evidence for starvation-induced recruitment regulation during the larval stage?. <i>Progress in Oceanography</i> , 2011, 91, 382-396.	1.5	27
34	Otolith size-at-hatch reveals embryonic oxygen consumption in the zebrafish, <i>Danio rerio</i> . <i>Marine Biology</i> , 2005, 147, 1419-1423.	0.7	26
35	Lipid Class and Fatty Acid Content of the <i>Leptocephalus</i> Larva of Tropical Eels. <i>Lipids</i> , 2012, 47, 623-634.	0.7	25
36	Energy content and fecundity of capelin ( <i>Mallotus villosus</i> ) along a 1,500-km latitudinal gradient. <i>Marine Biology</i> , 2011, 158, 1319-1330.	0.7	24

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37	First estimates of age and production of lumpsucker ( <i>Cyclopterus lumpus</i> ) in Greenland. <i>Fisheries Research</i> , 2014, 149, 1-4.	0.9	23
38	Turbidity increases behavioural diversity in northern pike, <i>Esox lucius</i> L., during early summer. <i>Fisheries Management and Ecology</i> , 2008, 15, 377-383.	1.0	22
39	Otolith-based analysis of survival and size-selective mortality of stocked 0+ year pike related to time of stocking. <i>Journal of Fish Biology</i> , 2004, 64, 1625-1637.	0.7	21
40	Variation in size and growth of West Greenland capelin ( <i>Mallotus villosus</i> ) along latitudinal gradients. <i>ICES Journal of Marine Science</i> , 2010, 67, 1128-1137.	1.2	21
41	Behavioural changes of Atlantic cod ( <i>Gadus morhua</i> ) after marine boulder reef restoration: Implications for coastal habitat management and Natura 2000 areas. <i>Fisheries Management and Ecology</i> , 2017, 24, 353-360.	1.0	21
42	Non-random mortality of Baltic cod larvae inferred from otolith hatch-check sizes. <i>Marine Ecology - Progress Series</i> , 1999, 181, 53-59.	0.9	20
43	First measurements of field metabolic rate in wild juvenile fishes show strong thermal sensitivity but variations between sympatric ecotypes. <i>Oikos</i> , 2021, 130, 287-299.	1.2	19
44	Feeding ecology of capelin ( <i>Mallotus villosus</i> MÅller) in West Greenland waters. <i>Polar Biology</i> , 2012, 35, 1533-1543.	0.5	18
45	A Foraging Cost of Migration for a Partially Migratory Cyprinid Fish. <i>PLoS ONE</i> , 2013, 8, e61223.	1.1	17
46	Using short-term growth of enclosed 0-group European flounder, <i>Platichthys flesus</i> , to assess habitat quality in a Danish bay. <i>Journal of Applied Ichthyology</i> , 2005, 21, 53-63.	0.3	16
47	Using otolith organic matter to detect diet shifts in <i>Bardiella chrysoura</i> , during a period of environmental changes. <i>Marine Ecology - Progress Series</i> , 2017, 575, 137-152.	0.9	16
48	Temperature effects on growth of juvenile Greenland halibut ( <i>Reinhardtius hippoglossoides</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 T	0.6	15
49	Fundamental questions and applications of sclerochronology: Community-defined research priorities. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 245, 106977.	0.9	15
50	Food limitation in larval fish: ontogenetic variation in feeding scope and its potential effect on survival. <i>Marine Ecology - Progress Series</i> , 2008, 367, 239-248.	0.9	15
51	Seasonal changes in diet and lipid content of northern sand lance <i>Ammodytes dubius</i> on Fyllas Bank, West Greenland. <i>Marine Ecology - Progress Series</i> , 2016, 558, 97-113.	0.9	15
52	Stage-specific mortality of Baltic cod ( <i>Gadus morhua</i> L.) eggs. <i>Journal of Applied Ichthyology</i> , 2000, 16, 266-272.	0.3	14
53	Disparate movement behavior and feeding ecology in sympatric ecotypes of Atlantic cod. <i>Ecology and Evolution</i> , 2021, 11, 11477-11490.	0.8	14
54	Possible fitness costs of high and low standard metabolic rates in larval herring <i>Clupea harengus</i> , as determined by otolith microstructure. <i>Marine Ecology - Progress Series</i> , 2007, 331, 233-242.	0.9	14

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55	Effect of habitat shifts on feeding behaviour and growth of 0 year group flounder <i>Platichthys flesus</i> (L.) transferred between macroalgae and bare sand habitats. <i>Journal of Fish Biology</i> , 2007, 70, 1587-1605.	0.7	13
56	Feeding ecology of capelin ( <i>Mallotus villosus</i> ) in a fjord impacted by glacial meltwater (Godthåbsfjord, Greenland). <i>Polar Biology</i> , 2019, 42, 81-98.	0.5	12
57	Settlement processes induce differences in daily growth rates between two co-existing ecotypes of juvenile cod <i>Gadus morhua</i> . <i>Marine Ecology - Progress Series</i> , 2020, 650, 175-189.	0.9	11
58	Life history trait variation of Greenland lumpfish ( <i>Cyclopterus lumpus</i> ) along a 1600 km latitudinal gradient. <i>Polar Biology</i> , 2017, 40, 2489-2498.	0.5	10
59	Otolith formation, microstructure and daily increment validation in juvenile perch <i>Perca fluviatilis</i> . <i>Journal of Fish Biology</i> , 2008, 73, 1478-1483.	0.7	9
60	Effects of temperature on tissue diet isotopic spacing of nitrogen and carbon in otolith organic matter. <i>Marine and Freshwater Research</i> , 2019, 70, 1757.	0.7	9
61	Otolith morphology, microstructure and ageing in the hedgehog seahorse, <i>Hippocampus spinosissimus</i> (Weber, 1913). <i>Journal of Applied Ichthyology</i> , 2006, 22, 153-159.	0.3	6
62	The relation between concentrations of ovarian trace elements and the body size of Atlantic cod <i>Gadus morhua</i> . <i>ICES Journal of Marine Science</i> , 2008, 65, 1191-1197.	1.2	6
63	Differences in metabolic rate between two Atlantic cod ( <i>Gadus morhua</i> ) populations estimated with carbon isotopic composition in otoliths. <i>PLoS ONE</i> , 2021, 16, e0248711.	1.1	6
64	Intra-annual variation in feeding of Atlantic cod <i>Gadus morhua</i> : the importance of ephemeral prey bursts. <i>Journal of Fish Biology</i> , 2020, 97, 1507-1519.	0.7	5
65	Population decline in the endemic Atlantic salmon ( <i>Salmo salar</i> ) in Kapisillit River, Greenland. <i>Fisheries Management and Ecology</i> , 2018, 25, 392-399.	1.0	4
66	Dietary differences among commercially important fishes in Lake Tanganyika assessed using stable isotope analysis. <i>Journal of Great Lakes Research</i> , 2019, 45, 1205-1214.	0.8	4
67	Temporal changes in size at maturity of black dogfish <i>Centroscyllium fabricii</i> . <i>Journal of Fish Biology</i> , 2019, 95, 965-968.	0.7	4
68	Diet and prey preferences of larval and pelagic juvenile Faroe Plateau cod ( <i>Gadus morhua</i> ). <i>Marine Biology</i> , 2020, 167, 1.	0.7	4
69	Otolith growth of Springer's demoiselle, <i>Chrysiptera springeri</i> (Pomacentridae, Allen & Lubbock), on a protected and non-protected coral reef. <i>Journal of Applied Ichthyology</i> , 2007, 23, 568-572.	0.3	3
70	Reply to 'Sources of uncertainties in cod distribution models'. <i>Nature Climate Change</i> , 2015, 5, 790-791.	8.1	3
71	Age of black dogfish ( <i>Centroscyllium fabricii</i> ) estimated from fin spines growth bands and eye lens bomb radiocarbon dating. <i>Polar Biology</i> , 2021, 44, 751-759.	0.5	3
72	Otolith Fingerprints and Tissue Stable Isotope Information Enable Allocation of Juvenile Fishes to Different Nursery Areas. <i>Water (Switzerland)</i> , 2021, 13, 1293.	1.2	3

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73	ESTABLISHMENT OF BLUE MUSSEL BEDS TO ENHANCE FISH HABITATS. Applied Ecology and Environmental Research, 2015, 13, .	0.2	2
74	Marking pike fry otoliths with alizarin complexone and strontium: an evaluation of methods. Journal of Fish Biology, 2001, 59, 745-750.	0.7	1
75	Spatial variations in feeding ecology of three Sparidae species – a stable isotope analysis. Frontiers in Marine Science, 0, 6, .	1.2	1
76	Improving the age reading of East Greenland Atlantic cod ( <i>Gadus morhua</i> ) by determining otolith growth zone timing and annuli widths. Fisheries Management and Ecology, 2020, 27, 628-632.	1.0	0