Catriona Clemmesen

List of Publications by Year
in descending order

80	2,947	159358 30	182168 51
papers	citations	h-index	g-index

83	83	83	2315
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ocean Acidification Alters the Predator â€“ Prey Relationship Between Hydrozoa and Fish Larvae. Frontiers in Marine Science, 2022, 9, .	1.2	0
2	Impaired larval development at low salinities could limit the spread of the non-native crab Hemigrapsus takanoi in the Baltic Sea. Aquatic Biology, 2021, 30, 85-99.	0.5	5
3	Pilot study to investigate the effect of long-term exposure to high pCO2 on adult cod (Gadus morhua) otolith morphology and calcium carbonate deposition. Fish Physiology and Biochemistry, 2021, 47, 1879-1891.	0.9	5
4	Differential gene expression patterns related to lipid metabolism in response to ocean acidification in larvae and juveniles of Atlantic cod. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2020, 247, 110740.	0.8	7
5	Factors influencing the spatial and temporal distribution of microplastics at the sea surface â€“ A year-long monitoring case study from the urban Kiel Fjord, southwest Baltic Sea. Science of the Total Environment, 2020, 736, 139493.	3.9	34
6	Growth and nutritional condition of anchovy larvae on the west and southeast coasts of South Africa. Marine Ecology - Progress Series, 2020, 644, 119-128.	0.9	2
7	Transcriptome profiling reveals exposure to predicted end-of-century ocean acidification as a stealth stressor for Atlantic cod larvae. Scientific Reports, 2019, 9, 16908.	1.6	7
8	Divergent responses of Atlantic cod to ocean acidification and food limitation. Global Change Biology, 2019, 25, 839-849.	4.2	28
9	Environmental tolerance of three gammarid species with and without invasion record under current and future global warming scenarios. Diversity and Distributions, 2019, 25, 603-612.	1.9	13
10	Appraisal of Warm-Temperate South African Mangrove Estuaries as Habitats to Enhance Larval Nutritional Condition and Growth of Gilchristella aestuaria (Family Clupeidae) Using RNA:DNA Ratios. Estuaries and Coasts, 2018, 41, 1463-1474.	1.0	8
11	Paths to the unknown: dispersal during the early life of fishes. Canadian Journal of Fisheries and Aquatic Sciences, 2018, 75, 792-796.	0.7	0
12	Food web changes under ocean acidification promote herring larvae survival. Nature Ecology and Evolution, 2018, 2, 836-840.	3.4	37
13	Forecasting future recruitment success for Atlantic cod in the warming and acidifying Barents Sea. Global Change Biology, 2018, 24, 526-535.	4.2	26
14	Molecular Ontogeny of First-Feeding European Eel Larvae. Frontiers in Physiology, 2018, 9, 1477.	1.3	31
15	Quantifying top-down control and ecological traits of the scyphozoan Aurelia aurita through a dynamic plankton model. Journal of Plankton Research, 2018, , .	0.8	2
16	Effects of parental acclimation and energy limitation in response to high CO2 exposure in Atlantic cod. Scientific Reports, 2018, 8, 8348.	1.6	17
17	First record of the non-indigenous jellyfish Blackfordia virginica (Mayer, 1910) in the Baltic Sea. Helgoland Marine Research, 2018, 72, .	1.3	9
18	Growth performance and survival of larval Atlantic herring, under the combined effects of elevated temperatures and CO2. PLoS ONE, 2018, 13, e0191947.	1.1	33

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19	Immunostimulatory effects of dietary poly-Î²-hydroxybutyrate in European sea bass postlarvae. Aquaculture Research, 2017, 48, 5707-5717.	0.9	21
20	Poly-Î²-hydroxybutyrate administration during early life: effects on performance, immunity and microbial community of European sea bass yolk-sac larvae. Scientific Reports, 2017, 7, 15022.	1.6	20
21	Food-limited growth of larval Atlantic herring Clupea harengus recurrently observed in a coastal nursery area. Helgoland Marine Research, 2017, 70, .	1.3	8
22	Ocean Acidification Effects on Atlantic Cod Larval Survival and Recruitment to the Fished Population. PLoS ONE, 2016, 11, e0155448.	1.1	104
23	Calibrating and comparing somatic-, nucleic acid-, and otolith-based indicators of growth and condition in young juvenile European sprat (Sprattus sprattus). Journal of Experimental Marine Biology and Ecology, 2015, 471, 217-225.	0.7	22
24	The swimming kinematics and foraging behavior of larval Atlantic herring (Clupea harengus L.) are unaffected by elevated pCO2. Journal of Experimental Marine Biology and Ecology, 2015, 466, 42-48.	0.7	31
25	RNA/DNA ratio is an early responding, accurate performance parameter in growth experiments of noble crayfishAstacus astacus(L.). Aquaculture Research, 2015, 46, 1937-1945.	0.9	12
26	Salinity dependence of recruitment success of the sea star Asterias rubens in the brackish western Baltic Sea. Helgoland Marine Research, 2015, 69, 169-175.	1.3	16
27	Evaluation of an improved RNA/DNA quantification method in a common carp (Cyprinus carpio) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.3	5
28	Preliminary insight into the relationship between environmental factors and the nutritional condition and growth of Gilchristella aestuaria larvae in the upper reaches of South African estuaries. Environmental Biology of Fishes, 2015, 98, 2367-2378.	0.4	10
29	Lipids as a proxy for larval starvation and feeding condition in small pelagic fish: a field approach on match-mismatch effects on Baltic sprat. Marine Ecology - Progress Series, 2015, 531, 277-292.	0.9	10
30	Essential fatty acid (docosahexaenoic acid, DHA) availability affects growth of larval herring in the field. Marine Biology, 2014, 161, 239-244.	0.7	38
31	Nutritional situation for larval Atlantic herring (Clupea harengus L.) in two nursery areas in the western Baltic Sea. ICES Journal of Marine Science, 2014, 71, 991-1000.	1.2	23
32	The proteome of Atlantic herring (Clupea harengus L.) larvae is resistant to elevated p CO 2. Marine Pollution Bulletin, 2014, 86, 154-160.	2.3	18
33	Within- and transgenerational effects of ocean acidification on life history of marine three-spined stickleback (Gasterosteus aculeatus). Marine Biology, 2014, 161, 1667-1676.	0.7	69
34	Organ damage in Atlantic herring larvae as a result of ocean acidification. Ecological Applications, 2014, 24, 1131-1143.	1.8	77
35	The swimming kinematics of larval Atlantic cod, Gadus morhua L., are resilient to elevated seawater pCO2. Marine Biology, 2013, 160, 1963-1972.	0.7	56
36	Egg and early larval stages of Baltic cod, Gadus morhua, are robust to high levels of ocean acidification. Marine Biology, 2013, 160, 1825-1834.	0.7	98

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37	Effects of ocean acidification on the calcification of otoliths of larval Atlantic cod Gadus morhua. Marine Ecology - Progress Series, 2013, 477, 251-258.	0.9	41
38	Characteristics of survivors: growth and nutritional condition of early stages of the hake species Merluccius paradoxus and M. capensis in the southern Benguela ecosystem. ICES Journal of Marine Science, 2012, 69, 553-562.	1.2	23
39	Environmental cues and constraints affecting the seasonality of dominant calanoid copepods in brackish, coastal waters: a case study of Acartia, Temora and Eurytemora species in the south-west Baltic. Marine Biology, 2012, 159, 2399-2414.	0.7	32
40	Temperature effects on vital rates of different life stages and implications for population growth of Baltic sprat. Marine Biology, 2012, 159, 2621-2632.	0.7	7
41	A novel length back-calculation approach accounting for ontogenetic changes in the fish lengthÂâ€“ otolith size relationship during the early life of sprat (Sprattus sprattus). Canadian Journal of Fisheries and Aquatic Sciences, 2012, 69, 1214-1229.	0.7	14
42	Ecological commonalities among pelagic fishes: comparison of freshwater ciscoes and marine herring and sprat. Marine Biology, 2012, 159, 2583-2603.	0.7	7
43	The ecophysiology of Sprattus sprattus in the Baltic and North Seas. Progress in Oceanography, 2012, 103, 42-57.	1.5	29
44	Recruitment processes in Baltic sprat â€“ A re-evaluation of GLOBEC Germany hypotheses. Progress in Oceanography, 2012, 107, 61-79.	1.5	24
45	Reprint of: The ecophysiology of Sprattus sprattus in the Baltic and North Seas. Progress in Oceanography, 2012, 107, 31-46.	1.5	9
46	Severe tissue damage in Atlantic cod larvae under increasing ocean acidification. Nature Climate Change, 2012, 2, 42-46.	8.1	231
47	On the edge of death: Rates of decline and lower thresholds of biochemical condition in food-deprived fish larvae and juveniles. Journal of Marine Systems, 2012, 93, 11-24.	0.9	36
48	Effect of ocean acidification on early life stages of Atlantic herring (<i>Clupea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302	1.3	113
49	Vertical distribution and growth performance of Baltic cod larvae â€“ Field evidence for starvation-induced recruitment regulation during the larval stage?. Progress in Oceanography, 2011, 91, 382-396.	1.5	27
50	Variability of larval Baltic sprat (Sprattus sprattus L.) otolith growth: a modeling approach combining spatially and temporally resolved biotic and abiotic environmental key variables. Fisheries Oceanography, 2010, 19, 463-479.	0.9	15
51	Effect of ocean acidification on marine fish sperm (Baltic cod: <i>Gadus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.3	35
52	Seasonal and spatial variations in the RNA:DNA ratio and its relation to growth in sub-Arctic scallops. Marine Ecology - Progress Series, 2010, 407, 87-98.	0.9	3
53	Effects of egg size, parental origin and feeding conditions on growth of larval and juvenile cod Gadus morhua. Journal of Fish Biology, 2009, 75, 516-537.	0.7	10
54	The influence of different salinity conditions on egg buoyancy and development and yolk sac larval survival and morphometric traits of Baltic Sea sprat (<i>Sprattus sprattus balticus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5	0.9	81

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55	Use of biochemical indices for analysis of growth in juvenile two-spotted gobies (<i>Gobiusculus) Tj ETQq1 1 0.784314 rgBT /Overloc	0.3	12
56	The influence of temperature on the development of Baltic Sea sprat (Sprattus sprattus) eggs and yolk sac larvae. Marine Biology, 2008, 154, 295-306.	0.7	48
57	Multi-species larval fish growth model based on temperature and fluorometrically derived RNA/DNA ratios: results from a meta-analysis. Marine Ecology - Progress Series, 2008, 371, 221-232.	0.9	80
58	Nutrient limitation of primary producers affects planktivorous fish condition. Limnology and Oceanography, 2007, 52, 2062-2071.	1.6	137
59	An individual-based model for the direct conversion of otolith into somatic growth rates. Fisheries Oceanography, 2007, 16, 207-215.	0.9	8
60	Invading Mnemiopsis leidyi as a potential threat to Baltic fish. Marine Ecology - Progress Series, 2007, 349, 303-306.	0.9	45
61	Comparative nutritional condition of larval dab Limanda limanda and lesser sandeel Ammodytes marinus in a highly variable environment. Marine Ecology - Progress Series, 2007, 334, 205-212.	0.9	23
62	Depth-dependent nutritional condition of sprat Sprattus sprattus larvae in the central Bornholm Basin, Baltic Sea. Marine Ecology - Progress Series, 2007, 341, 217-228.	0.9	11
63	Association between Growth andPan I*Genotype within Atlantic Cod Full-Sibling Families. Transactions of the American Fisheries Society, 2006, 135, 241-250.	0.6	33
64	Parental effects on early life history traits of Atlantic herring (Clupea harengus L.) larvae. Journal of Experimental Marine Biology and Ecology, 2006, 334, 51-63.	0.7	43
65	Intercalibration of four spectrofluorometric protocols for measuring RNA/DNA ratios in larval and juvenile fish. Limnology and Oceanography: Methods, 2006, 4, 153-163.	1.0	119
66	Baltic sprat larvae: coupling food availability, larval condition and survival. Marine Ecology - Progress Series, 2006, 308, 243-254.	0.9	57
67	Various methods to determine the gonadal development and spawning season of the purplish Washington clam, Saxidomus purpuratus (Sowerby). Journal of Applied Ichthyology, 2005, 21, 101-106.	0.3	21
68	Ontogenic changes in the allometric scaling of the mass and length relationship in Sprattus sprattus.. Journal of Fish Biology, 2005, 66, 882-887.	0.7	36
69	Estimating recent growth in the cuttlefish Sepia officinalis: are nucleic acid-based indicators for growth and condition the method of choice?. Journal of Experimental Marine Biology and Ecology, 2005, 317, 37-51.	0.7	16
70	Impacts of copepods on marine seston, and resulting effects on Calanus finmarchicus RNA:DNA ratios in mesocosm experiments. Marine Biology, 2005, 146, 531-541.	0.7	9
71	Condition of the Brazilian sardine, Sardinella brasiliensis (Steindachner, 1879) larvae in the SÃ£o SebastiÃ£o inner and middle continental shelf (SÃ£o Paulo, Brazil). Brazilian Journal of Oceanography, 2004, 52, 81-87.	0.6	7
72	Variability in condition and growth of Atlantic cod larvae and juveniles reared in mesocosms: environmental and maternal effects. Journal of Fish Biology, 2003, 62, 706-723.	0.7	51

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73	Temperature effects on growth and nucleic acids in laboratory-reared larval coregonid fish. Marine Ecology - Progress Series, 2003, 259, 285-293.	0.9	59
74	Larval condition and growth of Sardinella brasiliensis (Steindachner, 1879): preliminary results from laboratory studies. Scientia Marina, 2003, 67, 13-23.	0.3	12
75	Diatom production in the marine environment: implications for larval fish growth and condition. ICES Journal of Marine Science, 2001, 58, 1106-1113.	1.2	51
76	Nutritional condition and vertical distribution of Baltic cod larvae. Journal of Fish Biology, 1997, 51, 352-369.	0.7	50
77	Does otolith structure reflect the nutritional condition of a fish larva? Comparison of otolith structure and biochemical index (RNA/DNA ratio) determined on cod larvae. Marine Ecology - Progress Series, 1996, 138, 33-39.	0.9	51
78	The effect of food availability, age or size on the RNA/DNA ratio of individually measured herring larvae: laboratory calibration. Marine Biology, 1994, 118, 377-382.	0.7	201
79	Improvements in the fluorimetric determination of the RNA and DNA content of individual marine fish larvae. Marine Ecology - Progress Series, 1993, 100, 177-183.	0.9	114
80	A comparison of the nutritional condition of herring larvae as determined by two biochemical methods - tryptic enzyme activity and RNA/DNA ratio measurements. ICES Journal of Marine Science, 1992, 49, 245-249.	1.2	30