

Gudrun Marteinsdottir

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

2,620
citations

186265

28
h-index

197818

49
g-index

71
all docs

71
docs citations

71
times ranked

1921
citing authors

#	ARTICLE	IF	CITATIONS
1	Essential relationships incorporating the influence of age, size and condition on variables required for estimation of reproductive potential in Atlantic cod <i>Gadus morhua</i> . <i>Marine Ecology - Progress Series</i> , 2002, 235, 235-256.	1.9	257
2	Improving the stock-recruitment relationship in Icelandic cod (<i>Gadus morhua</i>) by including age diversity of spawners. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1998, 55, 1372-1377.	1.4	188
3	Maternal influence on the size and viability of Iceland cod <i>Gadus morhua</i> eggs and larvae. <i>Journal of Fish Biology</i> , 1998, 52, 1241-1258.	1.6	185
4	Developing Alternative Indices of Reproductive Potential for Use in Fisheries Management: Case Studies for Stocks Spanning an Information Gradient. <i>Journal of Northwest Atlantic Fishery Science</i> , 2003, 33, 161-190.	1.4	117
5	The genetic structure of Atlantic cod (<i>Gadus morhua</i>) around Iceland: insight from microsatellites, the Pan I locus, and tagging experiments. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2006, 63, 2660-2674.	1.4	116
6	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.	2.5	100
7	Using Environmental and Biological Indices as Proxies for Egg and Larval Production of Marine Fish. <i>Journal of Northwest Atlantic Fishery Science</i> , 2003, 33, 115-159.	1.4	94
8	Potential effects of maternal factors on spawning stock-recruitment relationships under varying fishing pressure. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1999, 56, 1882-1890.	1.4	82
9	Are Vertical Behaviour Patterns Related to the Pantophysin Locus in the Atlantic Cod (<i>Gadus morhua</i>)? <i>Journal of Experimental Marine Biology and Ecology</i> , 2011, 381, 1-14.	2.1	72
10	Potential effects of maternal factors on spawning stock-recruitment relationships under varying fishing pressure. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1999, 56, 1882-1890.	1.4	70
11	Evidence of Segregated Spawning in a Single Marine Fish Stock: Sympatric Divergence of Ecotypes in Icelandic Cod?. <i>PLoS ONE</i> , 2011, 6, e17528.	2.5	63
12	Discrimination between Icelandic cod (<i>Gadus morhua</i> L.) populations from adjacent spawning areas based on otolith growth and shape. <i>Fisheries Research</i> , 2006, 80, 182-189.	1.7	59
13	Otolith shape and temporal stability of spawning groups of Icelandic cod (<i>Gadus morhua</i> L.). <i>ICES Journal of Marine Science</i> , 2006, 63, 1501-1512.	2.5	58
14	The circulation of Icelandic waters - a modelling study. <i>Ocean Science</i> , 2013, 9, 931-955.	3.4	58
15	Fecundity and growth of Atlantic cod (<i>Gadus morhua</i> L.) along a latitudinal gradient. <i>Fisheries Research</i> , 2010, 104, 45-55.	1.7	49
16	Environmental and stock effects on spatial distribution and abundance of mature cod <i>Gadus morhua</i> . <i>Marine Ecology - Progress Series</i> , 2002, 229, 245-262.	1.9	49
17	Spatial variation in hatch date distributions and origin of pelagic juvenile cod in Icelandic waters. <i>ICES Journal of Marine Science</i> , 2000, 57, 1182-1195.	2.5	46
18	Spatial variation in abundance, size composition and viable egg production of spawning cod (<i>Gadus morhua</i>) in the North Atlantic. <i>ICES Journal of Marine Science</i> , 2000, 57, 1195-1205.	2.5	46

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19	Spawning origins of pelagic juvenile cod <i>Gadus morhua</i> inferred from spatially explicit age distributions: potential influences on year-class strength and recruitment. <i>Marine Ecology - Progress Series</i> , 2000, 202, 193-217.	1.9	46
20	Groundfish species diversity and assemblage structure in Icelandic waters during recent years of warming. <i>Fisheries Oceanography</i> , 2010, 19, 42-62.	1.7	44
21	The evaluation of reference points and stock productivity in the context of alternative indices of stock reproductive potential. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2009, 66, 404-414.	1.4	43
22	Genetic heterogeneity and growth properties of different genotypes of Atlantic cod (<i>Gadus morhua</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	1.7	41
23	Environmental and stock effects on spawning origins and recruitment of cod <i>Gadus morhua</i> . <i>Marine Ecology - Progress Series</i> , 2002, 229, 263-277.	1.9	40
24	Spatial and temporal trends in condition of Atlantic cod <i>Gadus morhua</i> on the Icelandic shelf. <i>Marine Ecology - Progress Series</i> , 2008, 362, 261-277.	1.9	38
25	Nile perch and the transformation of Lake Victoria. <i>African Journal of Aquatic Science</i> , 2016, 41, 127-142.	1.1	37
26	Influence of egg size on embryos and larvae of <i>Fundulus heteroclitus</i> (L.). <i>Journal of Fish Biology</i> , 1992, 41, 883-896.	1.6	35
27	Stock structure of Icelandic cod <i>Gadus morhua</i> L. based on otolith chemistry. <i>Journal of Fish Biology</i> , 2006, 69, 136-150.	1.6	35
28	Temporal trends in probabilistic maturation reaction norms and growth of Atlantic cod (<i>Gadus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	1.4	32
29	Collapse of the fishery for Iceland scallop (<i>Chlamys islandica</i>) in Breidafjordur, West Iceland. <i>ICES Journal of Marine Science</i> , 2007, 64, 298-308.	2.5	27
30	The use of otolith chemistry to determine the juvenile source of spawning cod in Icelandic waters. <i>ICES Journal of Marine Science</i> , 2011, 68, 98-106.	2.5	26
31	Spatial partitioning of relative fishing mortality and spawning stock biomass of Icelandic cod. <i>Fisheries Research</i> , 2003, 59, 343-362.	1.7	24
32	Distribution and migration of saithe (<i>Pollachius virens</i>) around Iceland inferred from mark-recapture studies. <i>ICES Journal of Marine Science</i> , 2007, 64, 1006-1016.	2.5	24
33	Distribution and exploitation of Nile perch <i>Lates niloticus</i> in relation to stratification in Lake Victoria, East Africa. <i>Journal of Great Lakes Research</i> , 2013, 39, 466-475.	1.9	24
34	Spatial and temporal variation in the distribution and density of pelagic fish species in Lake Victoria, East Africa. <i>Aquatic Ecosystem Health and Management</i> , 2014, 17, 52-61.	0.6	24
35	Drift probabilities for Icelandic cod larvae. <i>ICES Journal of Marine Science</i> , 2007, 64, 49-59.	2.5	22
36	Contribution of different spawning components to the mixed stock fishery for cod in Icelandic waters. <i>ICES Journal of Marine Science</i> , 2007, 64, 1749-1759.	2.5	22

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37	Evidence of phenotypic plasticity and local adaptation in metabolic rates between components of the Icelandic cod (<i>Gadus morhua</i> L.) stock. <i>Environmental Biology of Fishes</i> , 2009, 86, 361-370.	1.0	19
38	Characterization of Atlantic Cod Spawning Habitat and Behavior in Icelandic Coastal Waters. <i>PLoS ONE</i> , 2012, 7, e51321.	2.5	19
39	Contrasting trends in two condition indices: bathymetric and spatial variation in autumn condition of Icelandic cod <i>Gadus morhua</i> . <i>Journal of Fish Biology</i> , 2009, 75, 282-289.	1.6	18
40	The composition of adult overwintering and juvenile aggregations of Atlantic cod (<i>Gadus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 <i>Journal of Fisheries and Aquatic Sciences</i> , 2012, 69, 307-320.	1.4	17
41	Growth, maturity and fecundity of wolffish <i>Anarhichas lupus</i> L. in Icelandic waters. <i>Journal of Fish Biology</i> , 2006, 68, 1158-1176.	1.6	16
42	Catch-quota balancing mechanisms in the Icelandic multi-species demersal fishery: Are all species equal?. <i>Marine Policy</i> , 2015, 55, 1-10.	3.2	16
43	Environmental and climatic effects of chlorophyll-a variability around Iceland using reconstructed satellite data fields. <i>Journal of Marine Systems</i> , 2016, 163, 31-42.	2.1	14
44	Isolating the influence of ontogeny helps predict island-wide variability in fish otolith chemistry. <i>Reviews in Fish Biology and Fisheries</i> , 2020, 30, 173-202.	4.9	14
45	Identification of stock components using morphological markers. <i>Journal of Fish Biology</i> , 2012, 81, 1447-1462.	1.6	13
46	Temperature tolerance of Iceland scallop, <i>Chlamys islandica</i> (O.F. Muller) under controlled experimental conditions. <i>Aquaculture Research</i> , 2004, 35, 1405-1414.	1.8	12
47	Long-term changes of euphausiids in shelf and oceanic habitats southwest, south and southeast of Iceland. <i>Journal of Plankton Research</i> , 2014, 36, 1262-1278.	1.8	12
48	Otolith shape differences between ecotypes of Icelandic cod (<i>Gadus morhua</i>) with known migratory behaviour inferred from data storage tags. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2017, 74, 2122-2130.	1.4	11
49	Can collective memories shape fish distributions? A test, linking space-time occurrence models and population demographics. <i>Ecography</i> , 2018, 41, 938-957.	4.5	11
50	Species richness in North Atlantic fish: Process concealed by pattern. <i>Global Ecology and Biogeography</i> , 2020, 29, 842-856.	5.8	11
51	Abundance and growth of larval and early juvenile cod (<i>Gadus morhua</i>) in relation to variable environmental conditions west of Iceland. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2009, 56, 1992-2000.	1.4	10
52	How a catch-quota balancing system can go wrong: an evaluation of the species quota transformation provisions in the Icelandic multispecies demersal fishery. <i>ICES Journal of Marine Science</i> , 2015, 72, 1257-1277.	2.5	10
53	Growth, maturity and fecundity of female spotted wolffish <i>Anarhichas minor</i> in Icelandic waters. <i>Journal of Fish Biology</i> , 2008, 73, 1393-1406.	1.6	9
54	Distribution, maturity and population structure of <i>Meganectiphanes norvegica</i> and <i>Thysanoessa inermis</i> around Iceland in spring. <i>PLoS ONE</i> , 2017, 12, e0187360.	2.5	9

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55	Retrospective assessment of premenstrual changes in Icelandic women. <i>Health Care for Women International</i> , 1991, 12, 303-315.	1.1	8
56	Evidence from data storage tags for the presence of lunar and semi-lunar behavioral cycles in spawning Atlantic cod. <i>Environmental Biology of Fishes</i> , 2015, 98, 1767-1776.	1.0	8
57	Bioactive effect of sulphated polysaccharides derived from orange-footed sea cucumber (<i>Cucumaria</i>) Tj ETQq1 1 0,784314 rgBT /Ove	2.7	8
58	Determination of bioactive properties of food grade extracts from Icelandic edible brown seaweed sugar kelp (<i>Saccharina latissima</i>) with in vitro human cell cultures (THP-1).. <i>Functional Foods in Health and Disease</i> , 2019, 9, 1.	0.6	7
59	Spatio-temporal effects of stray hatchery-reared Atlantic salmon <i>Salmo salar</i> on population genetic structure within a 21Åkm-long Icelandic river system. <i>Conservation Genetics</i> , 2013, 14, 1217-1231.	1.5	6
60	The cross-shore distribution of plankton and particles southwest of Iceland observed with a Video Plankton Recorder. <i>Continental Shelf Research</i> , 2016, 123, 50-60.	1.8	6
61	Diet and feeding strategy of Northeast Atlantic mackerel (<i>Scombrus scomber</i>) in Icelandic waters. <i>PLoS ONE</i> , 2019, 14, e0225552.	2.5	6
62	Evaluation of bioactivity of fucoidan from laminaria with in vitro human cell cultures (THP-1). <i>Functional Foods in Health and Disease</i> , 2017, 7, 688.	0.6	6
63	Optimized biophysical model for Icelandic cod (<i>Gadus morhua</i>) larvae. <i>Fisheries Oceanography</i> , 2007, 16, 448-458.	1.7	5
64	Formulation and application of an efficient optimized biophysical model. <i>Marine Ecology - Progress Series</i> , 2007, 347, 275-284.	1.9	5
65	Spawning behavior in Atlantic cod: analysis by use of data storage tags. <i>Marine Ecology - Progress Series</i> , 2014, 506, 279-290.	1.9	5
66	To glue or not to glue? Reassembling broken otoliths for population discrimination. <i>Journal of Fish Biology</i> , 2014, 84, 1626-1633.	1.6	4
67	Abundance and distribution of early life stages of krill around Iceland during spring. <i>Marine Biology Research</i> , 2016, 12, 864-873.	0.7	4
68	Egg size and density estimates for three gadoids in Icelandic waters and their implications for the vertical distribution of eggs along a stratified water column. <i>Journal of Marine Systems</i> , 2020, 204, 103290.	2.1	3
69	Live holding of <i>Nephrops norvegicus</i> (Linnaeus, 1758) in land-based facilities: Health and condition effects. <i>Marine Biology Research</i> , 2015, 11, 603-612.	0.7	2
70	Dispersal of juvenile cod (<i>Gadus morhua</i> L.) in Icelandic waters. <i>Fisheries Research</i> , 2020, 232, 105721.	1.7	2
71	New insight into trophic niche partitioning and diet of mackerel (<i>Scomber scombrus</i>) and herring (<i>Clupea harengus</i>) in Icelandic waters. <i>ICES Journal of Marine Science</i> , 2021, 78, 1485-1499.	2.5	1