Geir Huse

List of Publications by Year
in descending order

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54	4,614	186265 28	182427 51
papers	citations	h-index	g-index

57	57	57	5472
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A standard protocol for describing individual-based and agent-based models. Ecological Modelling, 2006, 198, 115-126.	2.5	2,219
2	Ecosystem processes are rarely included in tactical fisheries management. Fish and Fisheries, 2016, 17, 165-175.	5.3	220
3	Endâ€Toâ€End Models for the Analysis of Marine Ecosystems: Challenges, Issues, and Next Steps. Marine and Coastal Fisheries, 2010, 2, 115-130.	1.4	202
4	Stock collapses and their recovery: mechanisms that establish and maintain life-cycle closure in space and time. ICES Journal of Marine Science, 2010, 67, 1841-1848.	2.5	113
5	A length-based hypothesis for feeding migrations in pelagic fish. Canadian Journal of Fisheries and Aquatic Sciences, 1999, 56, 26-34.	1.4	106
6	Modelling spatial dynamics of fish. Reviews in Fish Biology and Fisheries, 1998, 8, 57-91.	4.9	105
7	Artificial Evolution of Life History and Behavior. American Naturalist, 2002, 159, 624-644.	2.1	89
8	Ecology in Mare Pentium: an individual-based spatio-temporal model for fish with adapted behaviour. Fisheries Research, 1998, 37, 163-178.	1.7	86
9	Implementing behaviour in individual-based models using neural networks and genetic algorithms. Evolutionary Ecology, 1999, 13, 469-483.	1.2	82
10	Modelling buoyancy regulation in fishes with swimbladders: bioenergetics and behaviour. Ecological Modelling, 2005, 185, 309-327.	2.5	75
11	Horizontal distribution and overlap of planktivorous fish stocks in the Norwegian Sea during summers 1995â€“2006. Marine Biology Research, 2012, 8, 420-441.	0.7	73
12	Towards an acousticâ€based coupled observation and modelling system for monitoring and predicting ecosystem dynamics of the open ocean. Fish and Fisheries, 2013, 14, 605-615.	5.3	66
13	Capelin migrations and climate change â€“ a modelling analysis. Climatic Change, 2008, 87, 177-197.	3.6	65
14	Modelling secondary production in the Norwegian Sea with a fully coupled physical/primary production/individual-based Calanus finmarchicus model system. Marine Biology Research, 2012, 8, 508-526.	0.7	63
15	Estimating the consumption of Calanus finmarchicus by planktivorous fish in the Norwegian Sea using a fully coupled 3D model system. Marine Biology Research, 2012, 8, 527-547.	0.7	61
16	Effects of interactions between fish populations on ecosystem dynamics in the Norwegian Sea â€“ results of the INFERNO project. Marine Biology Research, 2012, 8, 415-419.	0.7	59
17	Challenges in integrative approaches to modelling the marine ecosystems of the North Atlantic: Physics to fish and coasts to ocean. Progress in Oceanography, 2014, 129, 285-313.	3.2	58
18	A comparative study of the feeding habits of herring (clupea harengus, clupeidae, l.) and capelin (mallotus villosus, osmeridae, mÃ¼ller) in the barents sea. Sarsia, 1996, 81, 143-153.	0.5	54

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19	Marine ecosystem acoustics (MEA): quantifying processes in the sea at the spatio-temporal scales on which they occur. ICES Journal of Marine Science, 2014, 71, 2357-2369.	2.5	47
20	Changing how we approach fisheries: A first attempt at an operational framework for ecosystem approaches to fisheries management. Fish and Fisheries, 2020, 21, 393-434.	5.3	46
21	Modelling encounter rates and distribution of mobile predators and prey. Progress in Oceanography, 2010, 84, 93-104.	3.2	41
22	Juvenile herring prey on Barents Sea capelin larvae. Sarsia, 2000, 85, 385-391.	0.5	40
23	Sex-specific life history strategies in capelin (Mallotus villosus)?. Canadian Journal of Fisheries and Aquatic Sciences, 1998, 55, 631-638.	1.4	36
24	Studying spatial and trophic interactions between capelin and cod using individual-based modelling. ICES Journal of Marine Science, 2004, 61, 1201-1213.	2.5	35
25	Feeding strategy of mackerel in the Norwegian Sea relative to currents, temperature, and prey. ICES Journal of Marine Science, 2016, 73, 1127-1137.	2.5	34
26	Potential impact of climate change on ecosystems of the Barents Sea Region. Climatic Change, 2008, 87, 283-303.	3.6	33
27	Vertical migration in adult Atlantic cod (Gadus morhua). Canadian Journal of Fisheries and Aquatic Sciences, 2007, 64, 1747-1760.	1.4	31
28	Modelling habitat choice in fish using adapted random walk. Sarsia, 2001, 86, 477-483.	0.5	30
29	Variability in retention of Calanus finmarchicus in the Nordic Seas. ICES Journal of Marine Science, 2005, 62, 1301-1309.	2.5	30
30	The importance of predatorâ€“prey overlap: predicting North Sea cod recovery with a multispecies assessment model. ICES Journal of Marine Science, 2010, 67, 1989-1997.	2.5	29
31	Real-Time Ichthyoplankton Drift in Northeast Arctic Cod and Norwegian Spring-Spawning Herring. PLoS ONE, 2011, 6, e27367.	2.5	26
32	Bioenergetics modeling of the annual consumption of zooplankton by pelagic fish feeding in the Northeast Atlantic. PLoS ONE, 2018, 13, e0190345.	2.5	25
33	Forecasting recruitment and stock biomass of Northeast Arctic cod using neural networks. Scientia Marina, 2003, 67, 325-335.	0.6	24
34	Highly mixed impacts of nearâ€future climate change on stock productivity proxies in the North East Atlantic. Fish and Fisheries, 2022, 23, 601-615.	5.3	24
35	Modeling growth of larval cod (Gadus morhua) in large-scale seasonal and latitudinal environmental gradients. Deep-Sea Research Part II: Topical Studies in Oceanography, 2009, 56, 2001-2011.	1.4	23
36	Estimating the horizontal and temporal overlap of pelagic fish distribution in the Norwegian Sea using individual-based modelling. Marine Biology Research, 2012, 8, 548-567.	0.7	23

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37	Simulating search behaviour of fish towards bait. ICES Journal of Marine Science, 2004, 61, 1224-1232.	2.5	21
38	An ecosystem modeling approach to predicting cod recruitment. Deep-Sea Research Part II: Topical Studies in Oceanography, 2007, 54, 2810-2821.	1.4	21
39	A spatial approach to understanding herring population dynamics. Canadian Journal of Fisheries and Aquatic Sciences, 2016, 73, 177-188.	1.4	21
40	Opportunities for advancing ecosystem-based management in a rapidly changing, high latitude ecosystem. ICES Journal of Marine Science, 2018, 75, 2425-2433.	2.5	21
41	Vertical distribution of herring and blue whiting in the Norwegian Sea. Marine Biology Research, 2012, 8, 488-501.	0.7	20
42	Indications of a negative impact of herring on recruitment of Norway pout. ICES Journal of Marine Science, 2008, 65, 906-911.	2.5	16
43	Individual-Based Models. , 0, , 228-248.		13
44	A neural network approach for predicting stock abundance of the Barents Sea capelin. Sarsia, 1999, 84, 457-464.	0.5	12
45	Modeling Emergent Life Histories of Copepods. Frontiers in Ecology and Evolution, 0, 6, .	2.2	12
46	Can collective memories shape fish distributions? A test, linking spaceâ€time occurrence models and population demographics. Ecography, 2018, 41, 938-957.	4.5	11
47	Introducing a method for extracting horizontal migration patterns from data storage tags. Hydrobiologia, 2007, 582, 187-197.	2.0	10
48	Spatial modelling for marine resource management, with a focus on fish. Sarsia, 2001, 86, 405-410.	0.5	9
49	Using RAFOS floats to simulate overwinter transport of Calanus finmarchicus in the Norwegian Sea. Marine Biology Research, 2012, 8, 502-507.	0.7	6
50	Evaluating acoustic-trawl survey strategies using an end-to-end ecosystem model. ICES Journal of Marine Science, 2020, 77, 2590-2599.	2.5	3
51	Structure and functioning of four North Atlantic ecosystems - A comparative study. Deep-Sea Research Part II: Topical Studies in Oceanography, 2020, 180, 104838.	1.4	3
52	Fine-scale observations of physical and biological environment along a herring feeding migration route. Deep-Sea Research Part II: Topical Studies in Oceanography, 2020, 180, 104845.	1.4	3
53	Utilizing Different Levels of Adaptation in Individual-Based Modeling. , 2003, , 507-521.		0
54	Introducing a method for extracting horizontal migration patterns from data storage tags. , 2007, , 187-197.		0