

Uffe HÃ,gsbro Thygesen

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

1,764
citations

236833

25
h-index

289141

40
g-index

63
all docs

63
docs citations

63
times ranked

2249
citing authors

#	ARTICLE	IF	CITATIONS
1	Ideal free flows of optimal foragers: Vertical migrations in the ocean. <i>Theoretical Ecology</i> , 2022, 15, 213-224.	0.4	2
2	Evolution of toxins as a public good in phytoplankton. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, .	1.2	1
3	Solving multispecies population games in continuous space and time. <i>Theoretical Population Biology</i> , 2022, 146, 36-45.	0.5	2
4	Physics Informed Stochastic Grey-Box Model of the Flow-Front in a Vacuum Assisted Resin Transfer Moulding Process with Missing Data. <i>IFAC-PapersOnLine</i> , 2021, 54, 797-802.	0.5	1
5	Spatial drivers of instability in marine size-spectrum ecosystems. <i>Journal of Theoretical Biology</i> , 2021, 517, 110631.	0.8	2
6	Electronic reporting of diagnostic laboratory test results from all healthcare sectors is a cornerstone of national preparedness and control of COVID-19 in Denmark. <i>Apmis</i> , 2021, 129, 438-451.	0.9	54
7	Seasonal strategies in the world's oceans. <i>Progress in Oceanography</i> , 2020, 189, 102466.	1.5	4
8	Optimal navigation and behavioural traits in oceanic migrations. <i>Theoretical Ecology</i> , 2020, 13, 583-593.	0.4	9
9	Oceanic diel vertical migrations arising from a predator-prey game. <i>Theoretical Ecology</i> , 2019, 12, 17-29.	0.4	23
10	Trophic interactions drive the emergence of diel vertical migration patterns: a game-theoretic model of copepod communities. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191645.	1.2	22
11	Migration routes and habitat use of a highly adaptable salmonid (sea trout, <i>Salmo trutta</i>) in a complex marine area. <i>Animal Biotelemetry</i> , 2019, 7, .	0.8	11
12	Intercalibration of survey methods using paired fishing operations and log-Gaussian Cox processes. <i>ICES Journal of Marine Science</i> , 2019, 76, 1189-1199.	1.2	5
13	Length measurement methods of Atlantic mackerel (<i>Scomber scombrus</i>) and Atlantic horse mackerel (<i>Trachurus trachurus</i>) – current practice, conversion keys and recommendations. <i>Fisheries Research</i> , 2018, 205, 57-64.	0.9	7
14	Spatio-temporal pattern formation in predator-prey systems with fitness taxis. <i>Ecological Complexity</i> , 2018, 34, 44-57.	1.4	12
15	Connecting single-stock assessment models through correlated survival. <i>ICES Journal of Marine Science</i> , 2018, 75, 235-244.	1.2	9
16	A Stochastic Spatio-Temporal Model of the Flow-Front Dynamics in a Vacuum Assisted Resin Transfer Moulding Process. <i>IFAC-PapersOnLine</i> , 2018, 51, 383-388.	0.5	3
17	Validation of ecological state space models using the Laplace approximation. <i>Environmental and Ecological Statistics</i> , 2017, 24, 317-339.	1.9	54
18	Positioning of aquatic animals based on time-of-arrival and random walk models using YAPS (Yet) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 64	1.6	64

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19	Choosing the observational likelihood in state-space stock assessment models. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2017, 74, 779-789.	0.7	14
20	Estimating uncertainty of data limited stock assessments. <i>ICES Journal of Marine Science</i> , 2017, 74, 69-77.	1.2	22
21	Dynamic optimal foraging theory explains vertical migrations of Bigeye tuna. <i>Ecology</i> , 2016, 97, 1852-1861.	1.5	23
22	Dynamics of a physiologically structured population in a time-varying environment. <i>Ecological Complexity</i> , 2016, 28, 54-61.	1.4	3
23	A Diffusion Approximation Based on Renewal Processes with Applications to Strongly Biased Run-and-Tumble Motion. <i>Bulletin of Mathematical Biology</i> , 2016, 78, 556-579.	0.9	1
24	Hake species (<i>Merluccius capensis</i> and <i>M. paradoxus</i>) assessment in the Benguela Current Large Marine Ecosystem. <i>Environmental Development</i> , 2016, 17, 193-201.	1.8	9
25	Migration, distribution and population (stock) structure of shallow-water hake (<i>Merluccius</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 TTS model. <i>Fisheries Research</i> , 2016, 179, 156-167.	0.9	19
26	Behavior-Dependent Senescence in Pelagic Copepods. <i>Bulletin of the Ecological Society of America</i> , 2015, 96, 651-653.	0.2	0
27	An effective algorithm for approximating adaptive behavior in seasonal environments. <i>Ecological Modelling</i> , 2015, 311, 20-30.	1.2	19
28	Mating success and sexual selection in a pelagic copepod, <i>Temora longicornis</i> : Evidence from paternity analyses. <i>Limnology and Oceanography</i> , 2015, 60, 600-610.	1.6	3
29	Limits to the reliability of size-based fishing status estimation for data-poor stocks. <i>Fisheries Research</i> , 2015, 171, 4-11.	0.9	22
30	A Model of Extracellular Enzymes in Free-Living Microbes: Which Strategy Pays Off?. <i>Applied and Environmental Microbiology</i> , 2015, 81, 7385-7393.	1.4	74
31	Size-dependent diffusion promotes the emergence of spatiotemporal patterns. <i>Physical Review E</i> , 2014, 90, 012904.	0.8	6
32	Estimating spatio-temporal dynamics of size-structured populations. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2014, 71, 326-336.	0.7	50
33	Trait diversity promotes stability of community dynamics. <i>Theoretical Ecology</i> , 2013, 6, 57-69.	0.4	32
34	Diel vertical migration arising in a habitat selection game. <i>Theoretical Ecology</i> , 2013, 6, 241-251.	0.4	29
35	State-space models for bio-loggers: A methodological road map. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2013, 88-89, 34-46.	0.6	187
36	Ctenophore population recruits entirely through larval reproduction in the central Baltic Sea. <i>Biology Letters</i> , 2012, 8, 809-812.	1.0	53

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37	Estimating animal behavior and residency from movement data. <i>Oikos</i> , 2011, 120, 1281-1290.	1.2	93
38	How to reverse time in stochastic particle tracking models. <i>Journal of Marine Systems</i> , 2011, 88, 159-168.	0.9	20
39	Estimation methods for nonlinear state-space models in ecology. <i>Ecological Modelling</i> , 2011, 222, 1394-1400.	1.2	56
40	Nonlinear tracking in a diffusion process with a Bayesian filter and the finite element method. <i>Computational Statistics and Data Analysis</i> , 2011, 55, 280-290.	0.7	12
41	Linking individual behaviour and migration success in <i>Salmo salar</i> smolts approaching a water withdrawal site: implications for management. <i>Aquatic Living Resources</i> , 2011, 24, 201-209.	0.5	24
42	Lessons from a Prototype Geolocation Problem. <i>Reviews: Methods and Technologies in Fish Biology and Fisheries</i> , 2009, , 257-276.	0.6	6
43	Geolocating Fish Using Hidden Markov Models and Data Storage Tags. <i>Reviews: Methods and Technologies in Fish Biology and Fisheries</i> , 2009, , 277-293.	0.6	34
44	Geolocation of North Sea cod (<i>Gadus morhua</i>) using hidden Markov models and behavioural switching. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2008, 65, 2367-2377.	0.7	93
45	Higher Order Moments and Conditional Asymptotics of the Batch Markovian Arrival Process. <i>Stochastic Models</i> , 2007, 23, 1-26.	0.3	14
46	Using the particle filter to geolocate Atlantic cod (<i>Gadus morhua</i>) in the Baltic Sea, with special emphasis on determining uncertainty. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2007, 64, 618-627.	0.7	33
47	Geolocation of Atlantic cod (<i>Gadus morhua</i>) movements in the Gulf of Maine using tidal information. <i>Fisheries Oceanography</i> , 2007, 16, 317-335.	0.9	27
48	The evolutionary pressure from fishing on size at maturation of Baltic cod. <i>Ecological Modelling</i> , 2007, 204, 246-252.	1.2	43
49	Eulerian techniques for individual-based models with additive components. <i>Journal of Marine Systems</i> , 2007, 67, 179-188.	0.9	6
50	Simulating vertical turbulent dispersal with finite volumes and binned random walks. <i>Marine Ecology - Progress Series</i> , 2007, 347, 145-153.	0.9	34
51	How to estimate scavenger fish abundance using baited camera data. <i>Marine Ecology - Progress Series</i> , 2007, 350, 223-234.	0.9	35
52	Diffusive transport in Stokeslet flow and its application to plankton ecology. <i>Journal of Mathematical Biology</i> , 2006, 53, 1-14.	0.8	4
53	How optimal life history changes with the community size-spectrum. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005, 272, 1323-1331.	1.2	35
54	Blind dating—mate finding in planktonic copepods. II. The pheromone cloud of <i>Pseudocalanus elongatus</i> . <i>Marine Ecology - Progress Series</i> , 2005, 300, 117-128.	0.9	32

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55	Vertical migration and dispersion of sprat (<i>Sprattus sprattus</i>) and herring (<i>Clupea harengus</i>) schools at dusk in the Baltic Sea. <i>Aquatic Living Resources</i> , 2003, 16, 317-324.	0.5	49
56	Random motility of plankton: diffusive and aggregative contributions. <i>Journal of Plankton Research</i> , 2003, 25, 1157-1168.	0.8	36
57	A Matlab environment for analysis of fluid flow and transport around a translating sphere. <i>Marine Models</i> , 2002, 2, 35-56.	0.0	2
58	Fluid motion and solute distribution around sinking aggregates. I. Small-scale fluxes and heterogeneity of nutrients in the pelagic environment. <i>Marine Ecology - Progress Series</i> , 2001, 211, 1-13.	0.9	115
59	Fluid motion and solute distribution around sinking aggregates. II. Implications for remote detection by colonizing zooplankters. <i>Marine Ecology - Progress Series</i> , 2001, 211, 15-25.	0.9	61
60	Modelling the attack success of planktonic predators: patterns and mechanisms of prey size selectivity. <i>Journal of Plankton Research</i> , 2000, 22, 1871-1871.	0.8	42