Anders Nielsen - DTU Orbit (24/10/2019)

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Research outputs:

Åleynge foretrækker stenede bundtyper
Research output: Other contribution › Net publication - Internet publication – Annual report year: 2018 › Communication

Benthic habitat selection in juvenile European eel Anguilla anguilla: implications for coastal habitat management and restoration
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

Growth and food consumption of whiting Merlangius merlangus
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

Response to: Comments on incongruous formulations in the SAM (state-space assessment model) model and consequences for fish stock assessment
Research output: Contribution to journal › Comment/debate – Annual report year: 2018 › Research › peer-review

Review of State-Space Models for Fisheries Science
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

A spatiotemporal model for snow crab (Chionoecetes opilio) stock size in the southern Gulf of St. Lawrence
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

Choosing the observational likelihood in state-space stock assessment models
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

Connecting single-stock assessment models through correlated survival
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

glmmTMB balances speed and flexibility among packages for Zero-inflated Generalized Linear Mixed Modeling
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

Validation of ecological state space models using the Laplace approximation
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

Accounting for correlated observations in an age-based state-space stock assessment model
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review
Estimation of time-varying selectivity in stock assessments using state-space models
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Evaluation of alternative age-based methods for estimating relative abundance from survey data in relation to assessment models
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

Introducing time-varying natural mortality in the length-based assessment model for the Pandalus Borealis stock in ICES Div. IIIa and IVa east
Research output: Contribution to conference › Paper – Annual report year: 2014 › Research

Addressing challenges in single species assessments via a simple state-space assessment model.
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2013 › Research

A stochastic length-based assessment model for the Pandalus stock in Skagerrak and the Norwegian Deep
Research output: Contribution to journal › Conference article – Annual report year: 2014 › Research

Size-based estimation of the status of fish stocks: simulation analysis and comparison with age-based estimations
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2013 › Research

Strategies for fitting nonlinear ecological models in R, AD Model Builder, and BUGS
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Does predation by grey seals (Halichoerus grypus) affect Bothnian Sea herring stock estimates?
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

AD Model Builder: using automatic differentiation for statistical inference of highly parameterized complex nonlinear models
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Depleted marine fish stocks and ecosystem-based management: on the road to recovery we need to be precautionary
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Effects of mammal predation on small pelagic fish
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2011 › Research

Estimation methods for nonlinear state-space models in ecology
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Fishing power increases from technological development in the Faroe Islands longline fishery
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Postrelease survival, vertical and horizontal movements, and thermal habitats of five species of pelagic sharks in the central Pacific Ocean
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Ecological forecasting under climate change - the case of Baltic cod
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2010 › Research

Ecological forecasting under climate change: the case of Baltic cod
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review
Incorporating sea-surface temperature to the light-based geolocation model TrackIt
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Movements of olive ridley sea turtles Lepidochelys olivacea and associated oceanographic features as determined by improved light-based geolocation
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Lessons from a prototype geolocation problem
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2009 › Research › peer-review

Preventing the collapse of the Baltic cod stock through an ecosystem-based management approach
Research output: Contribution to journal › Journal article – Annual report year: 2009 › Research › peer-review

Removing bias in latitude estimated from solar irradiance time series
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2009 › Research › peer-review

State space model for light based tracking of marine animals: validation on swimming and diving creatures
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2009 › Research › peer-review

Improving light and temperature based geolocation by unscented Kalman filtering
Research output: Contribution to journal › Journal article – Annual report year: 2008 › Research › peer-review

Indirect observation of fish movements: a general methodology applied at different scales
Research output: Contribution to conference › Paper – Annual report year: 2008 › Research

Optimizing smoothed sea surface temperature for improving archival tag geolocation
Research output: Contribution to journal › Journal article – Annual report year: 2008 › Research › peer-review

Reconstructing migrations of individual cod (Gadus morhua L.) in the Baltic Sea by using electronic data storage tags
Research output: Contribution to journal › Journal article – Annual report year: 2007 › Research › peer-review

State-space model for light-based tracking of marine animals
Research output: Contribution to journal › Journal article – Annual report year: 2007 › Research › peer-review

Using the particle filter to geolocate Atlantic cod (Gadus morhua) in the Baltic Sea, with special emphasis on determining uncertainty
Research output: Contribution to journal › Journal article – Annual report year: 2007 › Research › peer-review

Geolocation of tagged Baltic Cod using the particle filter
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2006 › Research

Improving light-based geolocation by including sea surface temperature
Research output: Contribution to journal › Journal article – Annual report year: 2006 › Research › peer-review

Interannual variation in large-scale movement of Atlantic bluefin tuna (Thunnus thynnus) determined from pop-up satellite archival tags
Research output: Contribution to journal › Journal article – Annual report year: 2006 › Research › peer-review
Hvor har fisken været før den blev fanget?
Research output: Contribution to journal › Journal article – Annual report year: 2005 › Research

A method to geolocate eastern Baltic cod by using Data Storage Tags (DSTs)
Research output: Contribution to journal › Conference article – Annual report year: 2004 › Research

Estimating fish movement

Stock dynamics of sandeel in the North Sea and sub-regions including uncertainties
Research output: Contribution to journal › Journal article – Annual report year: 2004 › Research › peer-review

Modelling stochastic fish stock dynamics using Markov Chain Monte Carlo
Research output: Contribution to journal › Journal article – Annual report year: 2003 › Research › peer-review

Comparison of the frequentist properties of Bayes and the maximum likelihood estimators in an age-structured fish stock assessment model
Research output: Contribution to journal › Journal article – Annual report year: 2002 › Research › peer-review

Diffusion of fish from a single release point
Research output: Contribution to journal › Journal article – Annual report year: 2002 › Research › peer-review

Projects:

Spatial and temporal dynamics of migrations in Baltic cod
Project: PhD

Investigation of causes affecting distribution and density of cod and plaice in Danish coastal areas (Kystfisk 3) (39413)
Project: Research

Sand banks and fisheries impact in relation to EU fisheries and environmental policy (39519)
Project: Research

Statistisk modellering af marine økosystemer
Project: PhD

Assessment and management of linked stocks (39325)
Project: Research

Initiative to improve mackerel assessment via tagging data (39080)
Project: Research

Optimal sustainable use of cod stocks accessible for Danish fisheries (DEL-TORSK) (39147)
Project: Research

Density-dependent processes in marine fish stocks
Project: PhD

State-Space Modelling in Marine Science
Project: PhD
Assessment of a mixed hake stocks off Namibia
Project: PhD

Grey-box methods for size-based estimation of fish stocks
Project: PhD

Boulder reefs as spawning and nursery areas for fish (RevFisk) (39144)
Project: Research

Economically sustainable fishery for Nephrops in Skagerrak and Kattegat (ØBJ-FISK) (38865)
Project: Research

Maximizing yield of fisheries while balancing ecosystem, economic and social concerns (MYFISH) (38850)
Project: Research

Sustainable shrimp fishery in Skagerrak (38994)
Project: Research

Coastal habitats (3117)
Project: Research

Optimal sustainable exploitation of Nephrops norvegicus in Kattegat and Skagerrak (38909)
Project: Research

Geographical distribution of fish resources and optimizing of fishery practice in the north-eastern North Sea (RESOURCE) (38878)
Project: Research

Judgement and knowledge in fisheries involving stakeholders (JAKFISH) (38132)
Project: Research

Development of a method for long term spatially resolved management of the herring fishery in the North Sea and IIIa taking the migration of the primary herring stocks, the fishery pattern and by-catch of mackerel into consideration (URSIN) (38731)
Project: Research

Activities:

International Council for the Exploration of the Sea (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

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