Research outputs:

Hydrodynamic functionality of the lorica in choanoflagellates
Research output: Research - peer-review › Journal article – Annual report year: 2019

Rapid shifts in the thermal sensitivity of growth but not development rate causes temperature-size response variability during ontogeny in arthropods
Research output: Research - peer-review › Journal article – Annual report year: 2019

The cost of toxin production in phytoplankton: the case of PST producing dinoflagellates
Research output: Research - peer-review › Journal article – Annual report year: 2019

Adaptive feeding behavior and functional responses in pelagic copepods
Research output: Research - peer-review › Journal article – Annual report year: 2018

A trait-based approach to ocean ecology
Research output: Research - peer-review › Journal article – Annual report year: 2018

Boom and burst: Life history, environmental noise, and the (un)predictability of jellyfish blooms
Research output: Research - peer-review › Journal article – Annual report year: 2018

Flagellate flow
Research output: Research › Poster – Annual report year: 2019

Foraging response and acclimation of ambush feeding and feeding-current feeding copepods to toxic dinoflagellates
Research output: Research - peer-review › Journal article – Annual report year: 2018

Grazer-induced transcriptomic and metabolomic response of the chain-forming diatom Skeletonema marinoi
Research output: Research - peer-review › Journal article – Annual report year: 2018

Hydrodynamic functionality of the lorica in choanoflagellates
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2018

Investigation of optical signatures for discriminating salmon lice from other species of zooplankton
Research output: Research - peer-review › Article in proceedings – Annual report year: 2018
Multi trophic diel vertical migrations and active carbon transport
Research output: Research › Conference abstract for conference – Annual report year: 2018

Phytoplankton defence mechanisms: traits and trade-offs: Defensive traits and trade-offs
Research output: Research - peer-review › Journal article – Annual report year: 2018

Prey perception mechanism determines maximum clearance rates of planktonic copepods: Behavior-dependent clearance rates in planktonic copepods
Research output: Research - peer-review › Journal article – Annual report year: 2018

Resting eggs in free living marine and estuarine copepods
Research output: Research - peer-review › Journal article – Annual report year: 2018

Selection for life-history traits to maximize population growth in an invasive marine species
Research output: Research - peer-review › Journal article – Annual report year: 2018

Swim and fly: escape strategy in neustonic and planktonic copepods
Research output: Research - peer-review › Journal article – Annual report year: 2018

Toxic dinoflagellates produce true grazer deterrents
Research output: Research - peer-review › Journal article – Annual report year: 2018

A trait database for marine copepods
Research output: Research - peer-review › Journal article – Annual report year: 2017

Behavior is a major determinant of predation risk in zooplankton
Research output: Research - peer-review › Journal article – Annual report year: 2017

Computational Fluid Dynamics of Choanoflagellate Filter-Feeding
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Distinctly different behavioral responses of a copepod, Temora longicornis, to different strains of toxic dinoflagellates, Alexandrium spp
Research output: Research - peer-review › Journal article – Annual report year: 2017

Feed, breed and be eaten: behavior dependent trade-offs in zooplankton
Research output: Research › Conference abstract for conference – Annual report year: 2017

Feeding in a viscous world: How microbes catch prey
Research output: Research › Conference abstract for conference – Annual report year: 2017
Gender-specific feeding rates in planktonic copepods with different feeding behavior
Research output: Research - peer-review › Journal article – Annual report year: 2017

Hydrodynamics of microbial filter feeding
Research output: Research - peer-review › Journal article – Annual report year: 2017

Indvandrene
Research output: Communication › Contribution to newspaper - Newspaper article – Annual report year: 2017

Ingestion, growth and gross growth efficiencies of copepod nauplii with different feeding behavior
Research output: Research › Conference abstract for conference – Annual report year: 2017

Mating, feeding and not being eaten: sex-specific trade-offs in copepods
Research output: Research › Conference abstract for conference – Annual report year: 2017

Modelling Jellyfish in marine ecosystems
Research output: Research › Conference abstract for conference – Annual report year: 2017

Motile behavior and predation risk in planktonic copepods: Behavior dependent predation risk
Research output: Research - peer-review › Journal article – Annual report year: 2017

Starvation tolerance of neritic copepods with different overwintering and feeding strategies
Research output: Research › Conference abstract for conference – Annual report year: 2017

Swimming and feeding of mixotrophic biflagellates
Research output: Research - peer-review › Journal article – Annual report year: 2017

The constraints of high density production of the calanoid copepod Acartia tonsa Dana
Research output: Research - peer-review › Journal article – Annual report year: 2017

Trait-based approaches to ocean life
Research output: Research › Conference abstract for conference – Annual report year: 2017

Adult and offspring size in the ocean: a database of size metrics and conversion factors
Research output: Research - peer-review › Journal article – Annual report year: 2016

A global synthesis of seasonal temperature-size responses in copepods: Seasonal temperature-size responses in copepods
Research output: Research - peer-review › Journal article – Annual report year: 2016

A trait database for marine copepods
Research output: Research - peer-review › Journal article – Annual report year: 2016

A trait database for marine copepods
Research output: Research - peer-review › Journal article – Annual report year: 2016

Behavior as key trait in zooplankton predation risk
Research output: Research › Poster – Annual report year: 2016

Behavior-dependent predation risk in marine planktonic copepods - an experimental and modelling approach
Research output: Research › Conference abstract for conference – Annual report year: 2016
Concentrations of sunscreens and antioxidant pigments in Arctic Calanus spp. in relation to ice cover, ultraviolet radiation, and the phytoplankton spring bloom: MAAs and astaxanthin in copepods
Research output: Research - peer-review › Journal article – Annual report year: 2015

Feeding currents facilitate a mixotrophic way of life
Research output: Research - peer-review › Journal article – Annual report year: 2015

Interrelations between senescence, life-history traits, and behavior in planktonic copepods
Research output: Research - peer-review › Journal article – Annual report year: 2015

Mating success and sexual selection in a pelagic copepod, Temora longicornis: Evidence from paternity analyses
Research output: Research - peer-review › Journal article – Annual report year: 2015

Measuring evolutionary adaptation of phytoplankton with local field observations
Research output: Research - peer-review › Letter – Annual report year: 2015

Perceiving the algae: How feeding-current feeding copepods detect their nonmotile prey: Prey Detection in Copepods
Research output: Research - peer-review › Journal article – Annual report year: 2015

Quiet swimming at low Reynolds number
Research output: Research - peer-review › Journal article – Annual report year: 2015

Reproduction rates under variable food conditions and starvation in Mnemiopsis leidyi: significance for the Invasion success of a ctenophore
Research output: Research - peer-review › Journal article – Annual report year: 2015

The predictive potential of ecological niche models for plankton in the North Atlantic
Research output: Research › Conference abstract for conference – Annual report year: 2015

Understanding observed copepod distributions with a trait data base
Research output: Research › Poster – Annual report year: 2015

Zooplankton Hydrodynamics: An investigation into the physics of aquatic interactions
Research output: Research › Ph.D. thesis – Annual report year: 2015

Den bedste forskning ligger på grænsen mellem discipliner
Research output: Communication › Net publication - Internet publication – Annual report year: 2014

Fitness costs and benefits of ultraviolet radiation exposure in marine pelagic copepods
Research output: Research - peer-review › Journal article – Annual report year: 2013

Flow disturbances generated by feeding and swimming zooplankton
Research output: Research - peer-review › Journal article – Annual report year: 2014

Forskning på tværs af faggrænser
Research output: Communication › Journal article – Annual report year: 2014

Hydrodynamics and energetics of jumping copepod nauplii and copepodids
Research output: Research - peer-review › Journal article – Annual report year: 2014

Lækre lopper scorer bedst
Research output: Communication › Journal article – Annual report year: 2014
Lækre lopper scorer bedst
Research output: Communication › Net publication - Internet publication – Annual report year: 2014

Low fertilization rates in a pelagic copepod caused by sexual selection?
Research output: Research › peer-review › Journal article – Annual report year: 2014

Macroevolutionary patterns of sexual size dimorphism in copepods
Research output: Research › peer-review › Journal article – Annual report year: 2014

Mechanisms of prey size selection in a suspension feeding copepod, Temora longicornis
Research output: Research › peer-review › Journal article – Annual report year: 2014

Plankton med solskydd
Research output: Communication › Journal article – Annual report year: 2014

Population dynamic of high latitude copepods - with emphasis on Metridia longa
Research output: Research › Ph.D. thesis – Annual report year: 2014

Sexual selection in marine plankton
Research output: Research › Ph.D. thesis – Annual report year: 2014

Shifts in mass-scaling of respiration, feeding, and growth rates across life-form transitions in marine pelagic organisms
Research output: Research › peer-review › Journal article – Annual report year: 2014

Attack or attacked: The sensory and fluid mechanical constraints of copepods' predator–prey interactions
Research output: Research › peer-review › Journal article – Annual report year: 2013

Characteristic sizes of life in the oceans - from bacteria to whales
Research output: Research › Conference abstract for conference – Annual report year: 2013

Control of plankton seasonal succession by adaptive grazing
Research output: Research › peer-review › Journal article – Annual report year: 2012

Copepods use chemical trails to find sinking marine snow aggregates
Research output: Research › peer-review › Journal article – Annual report year: 2012

Data compilation of respiration, feeding, and growth rates of marine pelagic organisms
Research output: Research › Dataset – Annual report year: 2013

Effect of type and concentration of ballasting particles on sinking rate of marine snow produced by the Appendicularian Oikopleura dioica
Research output: Research › peer-review › Journal article – Annual report year: 2013

Female-biased sex ratios in marine pelagic copepods: Comment on Gusmao et al. (2013)
Research output: Research › peer-review › Comment/debate – Annual report year: 2013

Havets duft
Research output: Communication › Journal article – Annual report year: 2013
Immigranter sydfra på tallerkenen
Research output: Communication › Contribution to newspaper - Newspaper article – Annual report year: 2013

Optimal mate choice patterns in pelagic copepods
Research output: Research - peer-review › Journal article – Annual report year: 2012

Plankton beskytter sig med solcreme
Research output: Communication › Net publication - Internet publication – Annual report year: 2013

Plankton med helgardering
Research output: Communication › Contribution to newspaper - Newspaper article – Annual report year: 2013

Seasonal dynamics of early life stages of invasive and native ctenophores give clues to invasion and bloom potential in the Baltic Sea
Research output: Research - peer-review › Journal article – Annual report year: 2013

Seksuel selektion hos en pelagisk copepod, Temora longicornis
Research output: Research › Conference abstract for conference – Annual report year: 2013

Sensory capabilities and food capture of two small copepods, Paracalanus parvus and Pseudocalanus sp.
Research output: Research - peer-review › Journal article – Annual report year: 2013

Sirupsvømmerne
Research output: Communication › Contribution to newspaper - Newspaper article – Annual report year: 2013

The biogeography of marine plankton traits
Research output: Research - peer-review › Review – Annual report year: 2013

To eat and not be eaten: En dag i en vandløppes liv
Research output: Research › Conference abstract for conference – Annual report year: 2013

To eat and not be eaten: Optimal foraging behaviour in suspension feeding copepods
Research output: Research - peer-review › Journal article – Annual report year: 2012

Trait-based approaches to zooplankton communities
Research output: Research - peer-review › Journal article – Annual report year: 2013

Trait-based plankton trophic interactions and community composition in a global ocean ecosystem model
Research output: Research › Conference abstract for conference – Annual report year: 2013

Zooplankton body composition
Research output: Research - peer-review › Journal article – Annual report year: 2013

Zooplankton feeding traits and community composition in a global ecosystem model
Research output: Research › Conference abstract for conference – Annual report year: 2013

Zooplankton feeding traits and community composition in a global ecosystem model
Research output: Research › Poster – Annual report year: 2013

Chemical ecology in aquatic systems
Research output: Communication › Literature review – Annual report year: 2012
Ctenophore population recruits entirely through larval reproduction in the central Baltic Sea
Research output: Research - peer-review › Journal article – Annual report year: 2012

Ecology of gelatious plankton: With emphasis on feeding interactions, distribution pattern and reproduction biology of Mnemiopsis leidyi in the Baltic Sea
Research output: Research › Ph.D. thesis – Annual report year: 2012

Prey detection and prey capture in copepod nauplii
Research output: Research - peer-review › Journal article – Annual report year: 2012

Prey detection in a cruising copepod
Research output: Research - peer-review › Journal article – Annual report year: 2011

The kinematics of swimming and relocation jumps in copepod nauplii
Research output: Research - peer-review › Journal article – Annual report year: 2012

The smell of virgins: mating status of females affects male swimming behaviour in Oithona davisae
Research output: Research - peer-review › Journal article – Annual report year: 2012

Active food selection in appendicularians
Research output: Research › Poster – Annual report year: 2011

Active prey rejection in the filter-feeding appendicularian Oikopleura dioica
Research output: Research - peer-review › Journal article – Annual report year: 2011

Age- and size-dependent mating performance and fertility in a pelagic copepod, Temora longicornis
Research output: Research - peer-review › Journal article – Annual report year: 2011

Grazer cues induce stealth behavior in marine dinoflagellates
Research output: Research - peer-review › Journal article – Annual report year: 2011

How zooplankton feed: Mechanisms, traits and tradeoffs
Research output: Research - peer-review › Journal article – Annual report year: 2010

Marine snow originating from appendicularia: Age-changes in houses settling characteristics and the effect of ballast material
Research output: Research › Conference abstract for conference – Annual report year: 2011

Propulsion efficiency and imposed flow fields of a copepod jump
Research output: Research - peer-review › Journal article – Annual report year: 2011

Resting egg production induced by food limitation in the calanoid copepod Acartia tonsa
Research output: Research - peer-review › Journal article – Annual report year: 2011

Salinity gradient of the Baltic Sea limits the reproduction and population expansion of the newly invaded comb jelly Mnemiopsis leidyi
Research output: Research - peer-review › Journal article – Annual report year: 2011

Senescence and sexual selection in a pelagic copepod
Research output: Research - peer-review › Journal article – Annual report year: 2011
The fluid dynamics of swimming by jumping in copepods
Research output: Research - peer-review › Journal article – Annual report year: 2011

The physical characteristics of the Baltic Sea might act as a bottleneck for the Mnemiopsis leidyi population expansion in this newly invaded area
Research output: Research › Conference abstract in proceedings – Annual report year: 2011

What makes pelagic copepods so successful?
Research output: Research - peer-review › Journal article – Annual report year: 2010

Danger of zooplankton feeding: The fluid signal generated by ambush feeding copepods
Research output: Research - peer-review › Journal article – Annual report year: 2010

Does predation control adult sex ratios and longevities in marine pelagic copepods?
Research output: Research - peer-review › Journal article – Annual report year: 2010

Dynamics of marine ecosystems: observations and experimentation
Research output: Research - peer-review › Book chapter – Annual report year: 2010

First evidences of sexual selection by mate choice in marine zooplankton
Research output: Research - peer-review › Journal article – Annual report year: 2010

Marine snow originating from appendicularian houses: age-changes in settling characteristics
Research output: Research › Poster – Annual report year: 2010

Marine snow originating from appendicularian houses: Age-dependent settling characteristics
Research output: Research - peer-review › Journal article – Annual report year: 2010

Unsteady motion: escape jumps in planktonic copepods, their kinematics and energetics
Research output: Research - peer-review › Journal article – Annual report year: 2010

Active prey selection in two pelagic copepods feeding on potentially toxic and non-toxic dinoflagellates
Research output: Research - peer-review › Journal article – Annual report year: 2009

A lightning stab in the dark: fluid dynamics of attack jumps of ambush feeding copepods
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2009

A mechanistic approach to plankton ecology. Visualizing the invisible
Research output: Research - peer-review › Journal article – Annual report year: 2009

Chemotaxis in steep chemical gradients
Research output: Research › Poster – Annual report year: 2009

Havets usynlige liv
Research output: Research › Journal article – Annual report year: 2009

Marine snow, attached microbes, and vertical material fluxes
Research output: Research › Conference abstract for conference – Annual report year: 2009
Mechanisms and feasibility of prey capture in ambush-feeding zooplankton
Research output: Research - peer-review › Journal article – Annual report year: 2009

Optimal behaviour and dynamical impact in a plankton predator-prey system
Research output: Research › Conference abstract for conference – Annual report year: 2009

Sexual selection in a pelagic copepod
Research output: Research › Conference abstract for conference – Annual report year: 2009

Significance of swimming and feeding currents for nutrient uptake in osmotrophic and interception feeding flagellates
Research output: Research - peer-review › Journal article – Annual report year: 2009

What plankters do, how they do it, and why. Small-scale fluid motion and plankton
Research output: Research › Conference abstract for conference – Annual report year: 2009

A mechanistic approach to plankton ecology
Research output: Research - peer-review › Book – Annual report year: 2008

Heterospecific mating and species recognition in the planktonic marine copepods Temora stylifera and T. longicornis
Research output: Research - peer-review › Journal article – Annual report year: 2008

Maximum phytoplankton concentrations in the sea
Research output: Research - peer-review › Journal article – Annual report year: 2008

Optimal development time in pelagic copepods
Research output: Research - peer-review › Journal article – Annual report year: 2008

Optimal swimming strategies in mate searching pelagic copepods
Research output: Research - peer-review › Journal article – Annual report year: 2008

Sex og død i plankton: Vandloppernes intime liv
Research output: Research › Journal article – Annual report year: 2008

Comparison of cell-specific activity between free-living and attached bacteria using isolates and natural assemblages
Research output: Research - peer-review › Journal article – Annual report year: 2007

Mate finding, mating, and population dynamics in a planktonic copepod Oithona davisae: There are too few males
Research output: Research - peer-review › Journal article – Annual report year: 2007

Nye optiske instrumenter ved Danmarks Fiskeriundersøgelser
Research output: Research › Conference abstract in proceedings – Annual report year: 2007

The Sea Core Sampler: a simple water sampler that allows direct observations of undisturbed plankton
Research output: Research - peer-review › Journal article – Annual report year: 2007

Astaxanthin in the calanoid copepod Calanus helgolandicus: dynamics of esterification and vertical distribution in the German Bight, North Sea
Research output: Research - peer-review › Journal article – Annual report year: 2006

Diffusive transport in Stokeslet flow and its application to plankton ecology
Research output: Research - peer-review › Journal article – Annual report year: 2006
Effects of large gut volume in gelatinous zooplankton: ingestion rate, bolus production and food patch utilization by the jellyfish Sarsia tubulosa
Research output: Research - peer-review › Journal article – Annual report year: 2006

Interactions between marine snow and heterotrophic bacteria: aggregate formation and microbial dynamics
Research output: Research - peer-review › Journal article – Annual report year: 2006

Mesocosm study of particle dynamics and control of particle-associated bacteria by flagellate grazing
Research output: Research - peer-review › Journal article – Annual report year: 2006

Plankton motility patterns and encounter rates
Research output: Research - peer-review › Journal article – Annual report year: 2006

Prey-specific encounter rates and handling efficiencies as causes of prey selectivity in ambush-feeding hydromedusae
Research output: Research - peer-review › Journal article – Annual report year: 2006

Sex, sex-ratios, and the dynamics of pelagic copepod populations
Research output: Research - peer-review › Journal article – Annual report year: 2006

Vertical flux and degradation rates of copepod fecal pellets in a zooplankton community dominated by small copepods
Research output: Research - peer-review › Journal article – Annual report year: 2006

Astaxanthin and its potential role in marine calanoid copepods
Research output: Research › Article in proceedings – Annual report year: 2005

Benthic life in the pelagic: Aggregate encounter and degradation rates by pelagic harpacticoid copepods
Research output: Research - peer-review › Journal article – Annual report year: 2005

Blind dating - mate finding in planktonic copepods. III. Hydromechanical communication in Acartia tonsa
Research output: Research - peer-review › Journal article – Annual report year: 2005

Blind dating - mate finding in planktonic copepods. II. The pheromone cloud of Pseudocalanus elongatus
Research output: Research - peer-review › Journal article – Annual report year: 2005

Blind dating - mate finding in planktonic copepods. I. Tracking the pheromone trail of Centropages typicus
Research output: Research - peer-review › Journal article – Annual report year: 2005

Clearance rates of jellyfish and their potential predation impact on zooplankton and fish larvae in a neritic ecosystem (Limfjorden, Denmark)
Research output: Research - peer-review › Journal article – Annual report year: 2005

Coprophagy and coprorhexy in the copepods Acartia tonsa and Temora longicornis: clearance rates and feeding behaviour
Research output: Research - peer-review › Journal article – Annual report year: 2005

Motility patterns and mate encounter rates in planktonic copepods
Research output: Research - peer-review › Journal article – Annual report year: 2005

Coprophagy in copepods and in a natural zooplankton community
Research output: Research › Conference abstract for conference – Annual report year: 2004
From dissolved organic carbon to marine snow in the prokaryote dominated Precambrian oceans
Research output: Research › Conference article – Annual report year: 2004

Particle-associated flagellates: swimming patterns, colonization rates, and grazing on attached bacteria
Research output: Research › peer-review › Journal article – Annual report year: 2004

Zooplankton use of chemodetection to find and eat particles
Research output: Research › peer-review › Journal article – Annual report year: 2004

Bacterial colonization of particles: Growth and interspecific interactions
Research output: Research › peer-review › Journal article – Annual report year: 2003

Dynamics of microbial communities on marine snow aggregates: Colonization, growth, detachment, and grazing mortality of attached bacteria
Research output: Research › peer-review › Journal article – Annual report year: 2003

Escape responses of copepod nauplii in the flow field of the blue mussel, Mytilus edulis
Research output: Research › peer-review › Journal article – Annual report year: 2003

High turnover rates of copepod fecal pellets due to Noctiluca scintillans grazing
Research output: Research › peer-review › Journal article – Annual report year: 2003

Marine snow microbial communities: scaling of abundances with aggregate size
Research output: Research › peer-review › Journal article – Annual report year: 2003

Mikrober påvirker jordens klima og mængden af fisk i havet
Research output: Research › Journal article – Annual report year: 2003

Motility of copepod nauplii and implications for food encounter
Research output: Research › peer-review › Journal article – Annual report year: 2003

Predator avoidance by nauplii
Research output: Research › peer-review › Journal article – Annual report year: 2003

A Matlab environment for analysis of fluid flow and transport around a translating sphere
Research output: Research › peer-review › Journal article – Annual report year: 2002

Mechanisms and rates of bacterial colonization of sinking aggregates
Research output: Research › peer-review › Journal article – Annual report year: 2002

Mortality of marine planktonic copepods: global rates and patterns
Research output: Research › peer-review › Journal article – Annual report year: 2002

Possible quorum sensing in marine snow bacteria: Production of acylated homoserine lactones by Roseobacter strains isolated from marine snow
Research output: Research › peer-review › Journal article – Annual report year: 2002

Feeding rates in the chaetognath Sagitta elegans: effects of prey size, prey swimming behaviour and small-scale turbulence
Research output: Research › peer-review › Journal article – Annual report year: 2001
Intensive aggregate formation with low vertical flux during an upwelling-induced diatom bloom
Research output: Research - peer-review › Journal article – Annual report year: 1998

Population regulation and role of mesozooplankton in shaping marine pelagic food webs
Research output: Research - peer-review › Journal article – Annual report year: 1998

Role of diatoms in copepod production: good, harmless or toxic?
Research output: Research - peer-review › Journal article – Annual report year: 1998

Quantifying interspecific coagulation efficiency of phytoplankton
Research output: Research - peer-review › Journal article – Annual report year: 1997

Small-scale turbulence, marine snow formation, and planktivorous feeding
Research output: Research - peer-review › Journal article – Annual report year: 1997

Abundance, size distribution and bacterial colonization of transparent exopolymeric particles (TEP) during spring in the Kattegat
Research output: Research - peer-review › Journal article – Annual report year: 1996

Copepod recruitment and food composition: Do diatoms affect hatching success?
Research output: Research - peer-review › Journal article – Annual report year: 1996

Marine snow derived from abandoned larvacean houses: Sinking rates, particle content and mechanisms of aggregate formation
Research output: Research - peer-review › Journal article – Annual report year: 1996

Material flux in the water column
Research output: Research - peer-review › Book chapter – Annual report year: 1996

Prey switching behaviour in the planktonic copepod Acartia tonsa
Research output: Research - peer-review › Journal article – Annual report year: 1996

Sedimentation of phytoplankton during a diatom bloom: Rates and mechanisms
Research output: Research - peer-review › Journal article – Annual report year: 1996

Adaptive significance of phytoplankton stickiness with emphasis on the diatom Skeletonema costatum
Research output: Research - peer-review › Journal article – Annual report year: 1995

Can we use laboratory reared copepods for experiments - a comparison of feeding behavior and reproduction between a field and a laboratory population of Acartia tonsa
Research output: Research - peer-review › Journal article – Annual report year: 1995

Encounter rates and swimming behavior of pause-travel and cruise larval fish predators in calm and turbulent laboratory environments
Research output: Research - peer-review › Journal article – Annual report year: 1995

Friday Harbour: phytoplankton, suspended particles and sedimentation
Research output: Research › Report – Annual report year: 1995

Planktivorous feeding in calm and turbulent environments, with emphasis on copepods
Research output: Research - peer-review › Journal article – Annual report year: 1995
Predatory and suspension feeding of the copepod Acartia tonsa in turbulent environments
Research output: Research - peer-review › Journal article – Annual report year: 1995

Scaling of fecundity, growth and development in marine planktonic copepods
Research output: Research - peer-review › Journal article – Annual report year: 1995

Turbulence-enhanced prey encounter rates in larval fish: Effects of spatial scale, larval behaviour and size
Research output: Research - peer-review › Journal article – Annual report year: 1995

Aggregation and sedimentation processes during a spring phytoplankton bloom: A field experiment to test coagulation theory
Research output: Research - peer-review › Journal article – Annual report year: 1994

Egg production, growth and development of the cyclopoid copepod Oithona similis
Research output: Research - peer-review › Journal article – Annual report year: 1994

Regulation of zooplankton biomass and production in a temperate, coastal ecosystem: I. Copepods
Research output: Research - peer-review › Journal article – Annual report year: 1994

Regulation of zooplankton biomass and production in a temperate, coastal ecosystem: II. Ciliates
Research output: Research - peer-review › Journal article – Annual report year: 1994

Reproductive and life cycle strategies in egg-carrying cyclopoid and free-spawning calanoid copepods
Research output: Research - peer-review › Journal article – Annual report year: 1994

Phytoplankton aggregate formation: observations of patterns and mechanisms of cell sticking and the significance of exopolymeric material
Research output: Research - peer-review › Journal article – Annual report year: 1993

Turbulence, phytoplankton cell size, and the structure of pelagic food webs
Research output: Research - peer-review › Journal article – Annual report year: 1993

Mesozooplankton, produktion og græsning
Research output: Research › Book chapter – Annual report year: 1992

Copepod egg production, moulting and growth rates and secondary production in the Skagerrak in August 1988
Research output: Research - peer-review › Journal article – Annual report year: 1991

Effects of a storm event on the structure of the planktonic food web with special emphasis on planktonic ciliates
Research output: Research - peer-review › Journal article – Annual report year: 1991

New fisheries resources in the Andaman Shelf Sea: Indirect oceanographical evidence
Research output: Research › Journal article – Annual report year: 1991

Pelagic fisheries and spatio-temporal variability in zooplankton productivity
Research output: Research › Journal article – Annual report year: 1991

Proceedings of the first PMBC/DANIDA training course and workshop on marine fish larvae and plankton ecology
Research output: Research - peer-review › Conference article – Annual report year: 1991

Temporal and spatial distribution of fish larvae and their environmental biology in Phang-Nga Bay, Thailand
Research output: Research - peer-review › Journal article – Annual report year: 1991
The distribution of fish larvae along the Andaman coast of Thailand
Research output: Research - peer-review › Journal article – Annual report year: 1991

Zooplankton biomass and production in the North Sea during the Autumn Circulation experiment, October 1987–March 1988
Research output: Research - peer-review › Journal article – Annual report year: 1991

Coagulation efficiency and aggregate formation in marine phytoplankton
Research output: Research - peer-review › Journal article – Annual report year: 1990

Effect of wind stress on vertical water column structure, phytoplankton growth and productivity of planktonic copepods
Research output: Research - peer-review › Book chapter – Annual report year: 1990

Effects of a Chrysochromulina polylepis subsurface bloom on the plankton community
Research output: Research - peer-review › Journal article – Annual report year: 1990

Optical assessment of phytoplankton nutrient depletion
Research output: Research - peer-review › Journal article – Annual report year: 1990

The structure of the pelagic food web in relation to water column structure in the Skagerrak
Research output: Research - peer-review › Journal article – Annual report year: 1990

Growth in fish larvae: are they particularly efficient?
Research output: Research - peer-review › Journal article – Annual report year: 1989

Phytoplankton growth rate and nitrogen content: Implications for feeding and fecundity in a herbivorous copepod
Research output: Research - peer-review › Journal article – Annual report year: 1989

Vertical migrations of herring, Clupea harengus, larvae in relation to light and prey distribution
Research output: Research - peer-review › Journal article – Annual report year: 1989

Food size spectra, ingestion and growth of the copepod Acartia tonsa during development: Implications for the determination of copepod production
Research output: Research - peer-review › Journal article – Annual report year: 1988

Plankton dynamics and herring larval growth, drift and survival in a frontal area
Research output: Research - peer-review › Journal article – Annual report year: 1988

Propagation of planktonic copepods: production and mortality of eggs
Research output: Research - peer-review › Book chapter – Annual report year: 1988

Gut clearance and pigment destruction in a herbivorous copepod, Acartia tonsa, and the determination of in situ grazing rates
Research output: Research - peer-review › Journal article – Annual report year: 1987

Partitioning of oxygen consumption between maintenance and growth in developing herring Clupea harengus (L.) embryos
Research output: Research - peer-review › Journal article – Annual report year: 1987

Respiration and growth of larval herring Clupea harengus: Relation between specific dynamic action and growth efficiency
Research output: Research - peer-review › Journal article – Annual report year: 1987
Feeding and growth of larval herring, *Clupea harengus*, in relation to density of copepod nauplii
Research output: Research - peer-review › Journal article – Annual report year: 1986

Studies of a herring larvae patch in the Aberdeen Bank area. III. Zooplankton distribution and productivity in relation to hydrographic features
Research output: Research - peer-review › Journal article – Annual report year: 1986

Studies of larval herring (*Clupea harengus L.*) patch in the Buchan area. IV. Zooplankton distribution and productivity in relation to hydrographic features
Research output: Research - peer-review › Journal article – Annual report year: 1986

Accumulation, elimination and chemical speciation of mercury in the bivalves Mytilus edulis and Macoma balthica
Research output: Research - peer-review › Journal article – Annual report year: 1985

Bioenergetics of the planktonic copepod *Acartia tonsa*: relation between feeding, egg production and respiration, and the composition of specific dynamic action
Research output: Research - peer-review › Journal article – Annual report year: 1985

Feeding behaviour and swimming activity of larval herring (*Clupea harengus L.*) in relation to density of copepod nauplii
Research output: Research - peer-review › Journal article – Annual report year: 1985

First feeding of larval herring
Research output: Research - peer-review › Journal article – Annual report year: 1985

In situ feeding rates of planctonic copepods: A comparison of four methods
Research output: Research - peer-review › Journal article – Annual report year: 1985

Ciliary and mucus-net filter feeding, with special reference to fluid mechanical characteristics
Research output: Research - peer-review › Journal article – Annual report year: 1984

Algal grazing by the planktonic copepods *Centropages hamatus* and *Pseudocalanus* sp.: Diurnal and seasonal variation during the spring phytoplankton bloom in the Øresund Denmark
Research output: Research - peer-review › Journal article – Annual report year: 1983

Burrowing and avoidance behaviour in marine organisms exposed to pesticide-contaminated sediment
Research output: Research - peer-review › Journal article – Annual report year: 1983

Mercury levels in fish, invertebrates and sediment in a recently recorded polluted area (Nissum Broad, western Limfjord, Denmark)
Research output: Research - peer-review › Journal article – Annual report year: 1983

Ingestion rate and gut clearance in the planktonic copepod *Centropages hamatus* in relation to food concentration and temperature
Research output: Research - peer-review › Journal article – Annual report year: 1982

Dispersion of suspended material from an operating sand suction dredge in the Øresund (Denmark)
Research output: Research - peer-review › Journal article – Annual report year: 1981

Effect of suspended bottom material on growth and energetics in Mytilus edulis
Research output: Research - peer-review › Journal article – Annual report year: 1981
Effects of suspended sediment on the development and hatching of herring (Clupea harengus) eggs
Research output: Research - peer-review › Journal article – Annual report year: 1981

Growth and energetics in Spisula subtruncata (Da Costa) and the effect of suspended bottom material
Research output: Research - peer-review › Journal article – Annual report year: 1981

Particle selection in suspension-feeding bivalves
Research output: Research - peer-review › Journal article – Annual report year: 1981

Distribution and production of submerged macrophytes in Tipper Grund (Ringkøbing Fjord, Denmark), and the impact of waterfowl grazing
Research output: Research - peer-review › Journal article – Annual report year: 1980

Feeding, particle selection and carbon absorption in Mytilus edulis in different mixtures of algae and resuspended bottom material
Research output: Research - peer-review › Journal article – Annual report year: 1980

Production of Ruppia cirrhosa (petagne) grande in mixed beds in Ringkøbing Fjord (Denmark)
Research output: Research - peer-review › Journal article – Annual report year: 1980

The distribution of benthic invertebrates in Holbæk Fjord (Denmark) in relation to environmental factors
Research output: Research - peer-review › Journal article – Annual report year: 1979

Feeding rate in juvenile flounder (Platichthys flesus) in relation to prey density
Research output: Research - peer-review › Journal article – Annual report year: 1978

Laboratory measurements of digestion rate in O-group flounder (Platichthys flesus L) at two temperatures
Research output: Research - peer-review › Journal article – Annual report year: 1978

Projects:

Predation in a Microbial World
Project: PhD

Defence in Diatoms: mechanisms and trade-offs
Project: PhD

Physics of Microbial Feeding
Project: PhD

Cost of physiological defense mechanisms in marine dinoflagellates
Project: PhD

Trait-based modelling of copepod communities
Project: PhD

Vertical migration and the structure and function of pelagic ecosystems
Project: PhD

Mechanistic approach to ocean ecology (39427)
Project: Research
The importance of the copepod species Metridia spp. in the Godthåbsfjord at present and future climate conditions
Project: PhD

Prey selection and behaviour of copepods fed on toxic and nontoxic algae
Project: PhD

Hydrodynamics of small Marine Organisms
Project: PhD

Modelling the role of competition between fish and jellyfish in marine pelagic ecosystems
Project: PhD

Copepo traits and trade-offs: characterizing gender and feeding type specific behavior
Project: PhD

Zooplankton Fluid Dynamics
Project: PhD

A trait-based approach to Plankton Biogeography
Project: PhD

Protozooplankton in Northern Marina Ecosystems
Project: PhD

Feeding ecology of gelationous plankton
Project: PhD

Sexual selection in marine plankton
Project: PhD

Benefits, cost, and trade-off of defense mechanisms in marine phytoplankton
Project: PhD

Ocean Literacy capacity for DK
Project: Research

Center for Ocean Life (COOL) - a Villum-Kahn Rasmussen Centre of excellence for the study of life in a changing ocean (38960)
Project: Research

Improvement of aquaculture high quality fish fry production (IMPAQ) (38904)
Project: Research

A coast to coast network of protected areas: From the shore to the deep sea (CoCoNet) (38863)
Project: Research

Trait based plankton ecology (38896)
Project: Research
European basin-scale analysis, synthesis and integration (EURO-BASIN) (38899)
Project: Research

Scaling from individuals to populations (SLIP) (38726)
Project: Research

The biological pump in the Nordic seas: Copepods and appendicularians as producers and consumers of sinking particles (BIOPUMP) (38757)
Project: Research

Climate change on marine ecosystems and resource economics (NorMER) (38898)
Project: Research

Baltic zooplankton cascades (BAZOOCA) (38584)
Project: Research

Activities:

Complex Motion in Fluids Summer School
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.