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Publications

Analysis of the transcriptional pathways associated with the induction of quiescent embryonic arrest in the calanoid copepod *Acartia tonsa*

Acebal, M. C., Hansen, B. W., Jørgensen, T. S. & Dalgaard, L. T., Dec 2023, In: Developmental Biology. 504, p. 38-48 11 p.

Comparing earthworm biodiversity estimated by DNA metabarcoding and morphology-based approaches

Lilja, M. A., Buivydaitė, Ž., Zervas, A., Krogh, P. H., Hansen, B. W., Winding, A. & Sapkota, R., May 2023, In: Applied Soil Ecology. 185, 104798.

Earthworms shape prokaryotic communities and affect extracellular enzyme activities in agricultural soil

Buivydaitė, Ž., Lilja, M. A., Sapkota, R., Hansen, B. W., Ellegaard-Jensen, L., Hendriksen, N. B., Krogh, P. H. & Winding, A., 1 Mar 2023, In: European Journal of Soil Biology. 115, 103474.

Embryogenesis of a calanoid copepod analyzed by transcriptomics

Cifuentes Acebal, M., Dalgaard, L. T., Jørgensen, T. S. & Hansen, B. W., Mar 2023, In: Comparative Biochemistry and Physiology - Part D: Genomics and Proteomics. 45, 101054.

Too late for regulatory management on Pacific oysters in European coastal waters?

Hansen, B. W., Dolmer, P. & Vismann, B., Feb 2023, In: Journal of Sea Research. 191, 102331.

Two Tropical Marine Copepods Demonstrate Physiological Properties Needed for Mass Production

Hansen, B. W., 2023, In: Reviews in Fisheries Science and Aquaculture. 31, 1, p. 141-159 19 p.

Species and genetic diversity relationships in benthic macroinvertebrate communities along a salinity gradient.

Petersen, H. C., Hansen, B. W., Knott, E. & Banta, G. T., Dec 2022, In: BMC Ecology and Evolution. 22, 1, p. 1-14 14 p.

Resolving the paradox of the ambush feeding cyclopoid copepod *Apocyclops royi* being microphagous
Zempleni, A., Hansen, B. W., Kiørboe, T. & Ryderheim, F., 1 Nov 2022, In: Journal of Plankton Research. 44, 6, p. 936-941 6 p., fbac040.

Particles as carriers of matter in the aquatic environment: Challenges and ways ahead for transdisciplinary research
Thit, A., Grønlund, S. N., Trudsø, L. L., Hansen, B. W., Herzog, S. D., Nielsen, S. L., Oturai, N. G., Posselt, D., Praveenkumar, R., Sandgaard, M. H., Syberg, K., Selck, H. & Lyngsie, G., 10 Sept 2022, In: Science of the Total Environment. 838, 2, 155831.

Biowaste and by-products as rearing substrates for black soldier fly (*Hermetia illucens*) larvae: Effects on larval body composition and performance
Eggink, K. M., Lund, I., Bovbjerg Petersen, P., Hansen, B. W. & Dalsgaard, J., Sept 2022, In: PLoS One. 17, 9, 17 p., e0275213.

Ultra-conserved elements provide insights to the biogeographic patterns of three benthic macroinvertebrate species in the Baltic Sea
Petersen, H. C., Knott, K. E., Banta, G. T. & Hansen, B. W., 5 Jul 2022, In: Estuarine, Coastal and Shelf Science. 271, 107863.

Can we adjust a marine cyclopoid copepod to freshwater?—First step towards a ‘universal’ live feed product for fish and shrimp larvae
Hansen, B. W., Ciappini, G., Malmendal, A. & Rayner, T. A., Jan 2022, In: Aquaculture Research. 53, 1, p. 178-190 13 p.

A bibliometric survey of live feed for marine finfish larvae production
Hansen, B. W. & Møller, S., Nov 2021, In: Aquaculture Research. 52, 11, p. 5124-5135 12 p.

Evaluation of high-density tank cultivation of the live-feed cyclopoid copepod *Apocyclops royi* (Lindberg 1940)
Jepsen, P. M., van Someren Gréve, H., Jørgensen, K. N., Kjær, K. G. W. & Hansen, B. W., 25 Feb 2021, In: Aquaculture. 533, February, 7 p., 736125.

Cultivation success and fatty acid composition of the tropical copepods *Apocyclops royi* and *Pseudodiaptomus annandalei* fed on monospecific diets with varying PUFA profiles
Nielsen, B. L. H., van Someren Gréve, H. & Hansen, B. W., 2021, In: Aquaculture Research. 52, 3, p. 1127-1138 12 p.

Biochemical adaptation by the tropical copepods *Apocyclops royi* and *Pseudodiaptomus annandalei* to a PUFA-poor brackish water habitat
Nielsen, B. L. H., van Someren Gréve, H., Rayner, T. A. & Hansen, B. W., 26 Nov 2020, In: Marine Ecology - Progress Series. 2020, 655, p. 77-89 13 p.

The effect of cell density on biomass and fatty acid productivity during cultivation of *Rhodomonas salina* in a tubular photobioreactor
Thoisen, C., Pedersen, J. S., Jørgensen, L., Kyhn, A., Hansen, B. W. & Nielsen, S. L., 12 Jul 2020, In: Aquaculture Research. 51, 8, p. 3367-3375 9 p.

Does resource availability influence the vital rates of the tropical copepod *Apocyclops royi* (Lindberg, 1940) under changing salinities?
van Someren Gréve, H., Jepsen, P. M. & Hansen, B. W., 27 Jun 2020, In: Journal of Plankton Research. 42, 4, p. 467-478 11 p.

To starve or not to starve: Deprivation of essential fatty acids and change in escape behavior during starvation by nauplii of the tropical calanoid copepod *Pseudodiaptomus annandalei*
Hansen, B. W., Rayner, T. A., Hwang, J-S. & Højgaard, J. K., Mar 2020, In: Journal of Experimental Marine Biology and Ecology. 524, 151287.

Planktonic Crustacean Culture - Live Planktonic Crustaceans as Live Feed for Finfish and Shrimps in Aquaculture
Jepsen, P. M., Syberg, K., Drillet, G. & Hansen, B. W., 2020, *Fisheries and Aquaculture*. Lovrich, G. & Thiel, M. (eds.). Oxford: Oxford University Press, Vol. 9. (Natural History of Crustacea).

Copepod Embryonic Dormancy: "An Egg Is Not Just An Egg"
Hansen, B. W., 1 Oct 2019, In: *Biological Bulletin*. 237, 2, p. 145-169 25 p.

Evaluation of the robustness of optical density as a tool for estimation of biomass in microalgal cultivation: the effects of growth conditions and physiological state
Nielsen, S. L. & Hansen, B. W., 8 Aug 2019, In: *Aquaculture Research*. 50, 9, p. 2698-2706 9 p.

Acute and chronic response to a change in salinity in the euryhaline polychaete *Pygospio elegans* (Claparède)
Thonig, A., Banta, G. T., Gibon, S., Kesaniemi, J., Hansen, B. W. & Knott, E., Jul 2019, In: *Journal of Experimental Marine Biology and Ecology*. 516, 516, p. 79-88 10 p.

Effects of salinity, commercial salts and water types on cultivation of the cryptophyte microalgae *Rhodomonas salina* and the calanoid copepod *Acartia tonsa*
Jepsen, P. M., Thoisen, C. V., Carron-Cabaret, T., Pinyol Gallemi, A., Nielsen, S. L. & Hansen, B. W., 4 Feb 2019, In: *Journal of the World Aquaculture Society*. 50, 1, p. 104-118 15 p.

Influence of behavioral plasticity and foraging strategy on starvation tolerance of planktonic copepods
Holm, M. W., Rodriguez-Torres, R., Hansen, B. W. & Almeda, R., Feb 2019, In: *Journal of Experimental Marine Biology and Ecology*. 511, 511, p. 19-27 9 p.

Applying algal paste as food for copepod live feed: A growth study on *Acartia tonsa* nauplii using the microalga *Isochrysis galbana*
Rayner, T. A. & Hansen, B. W., 2019, In: *Aquaculture Research*. 50, 2, p. 694-697 4 p.

Eggs of the copepod *Acartia tonsa* Dana require hypoxic conditions to tolerate prolonged embryonic development arrest
Jørgensen, T. S., Jepsen, P. M., Petersen, H. C., Friis, D. S. & Hansen, B. W., 2019, In: *BMC Ecology*. 19, 1, 9 p., 1.

In situ and experimental evidence for effects of elevated pH on protistan and metazoan grazers
Hansen, B. W., Andersen, C. M. B., Hansen, P. J., Nielsen, T. G., Vismann, B. & Tiselius, P., 2019, In: *Journal of Plankton Research*. 41, 3, p. 257-271 15 p.

Molecular physiology of copepods: from biomarker to transcriptomes and back again
Tarrant, A. M., Nilsson, B. & Hansen, B. W., 2019, In: *Comparative Biochemistry and Physiology - Part D: Genomics and Proteomics*. 30, 30, p. 230-247 18 p.

n-3 PUFA biosynthesis by the copepod *Apocyclops royi* documented using fatty acid profile analysis and gene expression analysis
Nielsen, B. L. H., Götterup, L., Jørgensen, T. S., Hansen, B. W., Hansen, L. H., Mortensen, J. & Jepsen, P. M., 2019, In: *Biology Open*. 8, 2, p. 1-12 13 p., bio038331.

The genome and mRNA transcriptome of the cosmopolitan calanoid copepod *Acartia tonsa* Dana improve the understanding of copepod genome size evolution
Jørgensen, T. S., Petersen, B., Petersen, H. C., Browne, P. D., Prost, S., Stillman, J., Hansen, L. H. & Hansen, B. W., 2019, In: *Genome Biology and Evolution*. 11, 5, p. 1440-1450 11 p.

The whole genome sequence and mRNA transcriptome of the tropical cyclopoid copepod *Apocyclops royi*
Jørgensen, T. S., Nielsen, B. L. H., Petersen, B., Browne, P. D., Hansen, B. W. & Hansen, L. H., 2019, In: *G3: Genes, Genomes, Genetics*. 9, 5, p. 1295-1302 8 p.

Copepods as live feed, what is all the fuss about?
Jepsen, P. M., van Someren Gréve, H., Nielsen, B. L. H. & Hansen, B. W., 14 Dec 2018, In: *Hatcheryfeed Magazine*. 6, 4, p. 14-16 3 p.

Testing the yield of a pilot-scale bubble column photobioreactor for cultivation of the microalga *Rhodomonas salina* as feed for intensive calanoid copepod cultures

Thuy, M. V. T., Jepsen, P. M., Jørgensen, N. O. G., Hansen, B. W. & Nielsen, S. L., 7 Dec 2018, In: Aquaculture Research. 50, 1, p. 63-71 9 p.

Small-scale experiments aimed at optimization of large-scale production of the microalga *Rhodomonas salina*

Thoisen, C. V., Thuy, M. V. T., Carron-Cabaret, T., Jepsen, P. M., Nielsen, S. L. & Hansen, B. W., Aug 2018, In: Journal of Applied Phycology. 30, 4, p. 2193-2202 10 p.

Environmental stress responses and experimental handling artifacts of a model organism, the copepod *Acartia tonsa* (Dana)

Nilsson, B., Jepsen, P. M., Bucklin, A. & Hansen, B. W., 14 May 2018, In: Frontiers in Marine Science. 5, 156, 156.

Sex-specific starvation tolerance of copepods with different foraging strategies

Holm, M. W., Rodriguez-Torres, R., van Someren Greve, H., Hansen, B. W. & Almeda, R., 31 Mar 2018, In: Journal of Plankton Research. 40, 3, p. 284-294 11 p.

Timing of embryonic quiescence determines viability of embryos from the calanoid copepod, *Acartia tonsa* (Dana)

Nilsson, B. & Hansen, B. W., 7 Mar 2018, In: PLOS ONE. 13, 3, 16 p., 0193727.

Interactions between populations of the calanoid copepod *Acartia tonsa* Dana and the harpacticoid copepod *Tisbe holothiriae* Humes in mixed cultures of live feed for fish larvae

Hansen, B. W., Boesen, E., Brodincke, O. B., Corfixen, N. L., Jepsen, P. M., Larsen, S. M., Dannebrog Læssøe, C., Munch, P., Friis Nielsen, P. K., Olesen, J., Visman, B. & Nilsson, B., 1 Mar 2018, In: Aquaculture Research. 49, 3, p. 1274-1283 10 p.

Cryptocodinium cohnii: a promising prey toward large-scale intensive rearing of the live feed copepod *Acartia tonsa* (Dana)

Jakobsen, H. H., Thoisen, C. V. & Hansen, B. W., 2018, In: Aquaculture International. 26, 1, p. 237-251 15 p.

Exploring the potential of providing and feeding pikeperch larvae (*Sander lucioperca* L.) with euryhaline copepod nauplii: A zootechnical trial

Højgaard, J. K., Rayner, T. A., Kjellerup Jensen, C., Overton, J. & Hansen, B. W., 2018, In: Journal of Applied Aquaculture. 30, 4, p. 312-324 13 p.

Influence of swimming behavior of copepod nauplii on feeding of larval turbot (*Acophthalmus maximus*)

Bruno, E., Højgaard, J. K., Hansen, B. W., Munk, P. & Støttrup, J. G., 2018, In: Aquaculture International. 26, 1, p. 225-236 17 p.

Ontogenetic development of attack behaviour by turbot larvae when exposed to copepod prey

Højgaard, J. K., Bruno, E., Støttrup, J. G. & Hansen, B. W., 2018, In: Aquaculture Research. 49, 5, p. 1816-1825 10 p.

Resting eggs in free living marine and estuarine copepods

Holm, M. W., Kiørboe, T., Brun, P., Ligandro, P., Almeda, R. & Hansen, B. W., 2018, In: Journal of Plankton Research. 40, 1, p. 2-15 14 p.

Seasonal variation in diversity of marine benthic invertebrates leads to a positive species-genetic diversity correlation (SGDC)

Knott, E., Thonig, A., Heiskanen, S., Hansen, B. W. & Banta, G. T., 2018, In: Marine Ecology - Progress Series. 2018, 592, p. 129-140 12 p.

The importance of phospholipids combined with long-chain PUFA in formulated diets for pikeperch (*Sander lucioperca*) larvae

Lund, I., El Kertaoui, N., Izquierdo, M., Dominguez, D., Hansen, B. W. & Kestemont, P., 2018, In: British Journal of Nutrition. 120, 6, p. 628-644 17 p.

Use of optical density as a proxy for cell number in cultivation of the microalgae *Rhodomonas salina* – the effects of nitrogen availability and irradiance during cultivation
Nielsen, S. L. & Hansen, B. W., 2018.

A simple and fast method for extraction and quantification of cryptophyte phycoerythrin
Thoisen, C. V., Hansen, B. W. & Nielsen, S. L., 28 Jul 2017, In: MethodsX. 4, C, p. 209-213 5 p.

Applied and fundamental plankton research would benefit from more joint efforts: examples from *Acartia tonsa*
Hansen, B. W., Jepsen, P. M. & Drillet, G., 8 Jun 2017, In: Journal of Plankton Research. 39, 6, p. 975-983 14 p.

The importance of live-feed traps: farming marine fish species

Nielsen, R., Nielsen, M., Abate, T. G., Hansen, B. W., Jepsen, P. M., Nielsen, S. L., Støttrup, J. G. & Buchmann, K., Jun 2017, In: Aquaculture Research. 48, 6, p. 2623-2641 19 p.

Recommended feeding regime and light climate in live feed cultures of the calanoid copepod *Acartia tonsa* Dana
Jepsen, P. M., Steensbjerg Bjørbaek, N., Rayner, T. A., Thuy, M. V. T. & Hansen, B. W., 31 Mar 2017, In: Aquaculture International. 25, 2, p. 635-654 20 p.

A production season of turbot larvae *Scophthalmus maximus* (Linnaeus, 1758) reared on copepods in a Danish (56°N) semi-intensive outdoor system

Jepsen, P. M., Jakobsen, H. H., Rayner, T. A., Blanda, E., Novac, A., Engell-Sørensen, K. & Hansen, B. W., 24 Mar 2017, In: Aquaculture Research. 48, 9, p. 4958-4974 17 p.

Copepod swimming behavior, respiration, and expression of stress-related genes in response to high stocking densities
Nilsson, B., Jakobsen, H. H., Stief, P., Drillet, G. & Hansen, B. W., 9 Mar 2017, In: Aquaculture Reports. 6, p. 35-42 8 p.

Advances using Copepods in Aquaculture

Hansen, B. W., 2017, In: Journal of Plankton Research. 39, 6, p. 972–974 3 p.

An analysis of how to improve production of copepods as live feed from tropical Taiwanese outdoor aquaculture ponds
Blanda, E., Guillaume, D., Huang, C-C., Hwang, J-S., Højgaard, J. K., Jakobsen, H. H., Rayner, T. A., Su, H-M. & Hansen, B. W., 2017, In: Aquaculture. 479, p. 432-441 10 p.

Anticipating the free amino acid concentrations in newly hatched pelagic fish larvae based on recently fertilized eggs and temperature

Rayner, T. A., Hwang, J-S. & Hansen, B. W., 2017, In: Journal of Plankton Research. 39, 6, p. 1012–1019 8 p.

Changes in free amino acid content during naupliar development of the Calanoid copepod *Acartia tonsa*

Rayner, T. A., Jørgensen, N. O. G., Drillet, G. & Hansen, B. W., 2017, In: Comparative Biochemistry and Physiology - Part A: Molecular & Integrative Physiology. 210, p. 1-6 7 p.

Density effect on the ovigerous rate of the calanoid copepod *Pseudodiaptomus annandalei* (Sewell 1919): implications for aquaculture

Rayner, T. A., Højgaard, J. K., Hansen, B. W. & Hwang, J-S., 2017, In: Aquaculture Research. 48, 8, p. 4573-4577 5 p.

Effects of cold selective breeding on the body length, fatty acid content, and productivity of the tropical copepod *Apocyclops royi* (Cyclopoida, Copepoda)

Pan, Y-J., Souissi, A., Sadovskaya, I., Hansen, B. W., Hwang, J-S. & Souissi, S., 2017, In: Journal of Plankton Research. 39, 6, p. 994-1003 10 p.

Effects of elevated pH on marine copepods in mass cultivation systems: practical implications

Hansen, B. W., Juel Hansen, P., Nielsen, T. G. & Jepsen, P. M., 2017, In: Journal of Plankton Research. 39, 6, p. 984-993 10 p.

Feeding behavior and capture success of turbot *Psetta maxima* larvae during the transition from upright to tilted swimming position

Bruno, E., Marjhoub, M-S., Hansen, B. W., Munk, P. & Støttrup, J. G., 2017, In: Aquatic Living Resources. 30, 8 p., 35.

Feeding traits of the European flat oyster, *Ostrea edulis*, and the invasive Pacific oyster, *Crassostrea gigas*

Nielsen, M., Hansen, B. W. & Vismann, B., 2017, In: Marine Biology. 164, 10 p., 6.

Minimizing the use of fish oil enrichment in live feed by use of a self-enriching calanoid copepod *Pseudodiaptomus annandalei*

Rayner, T. A., Hwang, J-S. & Hansen, B. W., 2017, In: Journal of Plankton Research. 39, 6, p. 1004-1011 8 p.

Prey capture capabilities by juveniles of the false percula clownfish (*Amphiprion ocellaris*) fed calanoid nauplii vs. adults

Højgaard, J. K., Hansen, B. W. & Hwang, J-S., 2017, In: Marine and Freshwater Behaviour and Physiology. 40, 5-6, p. 387-396 10 p.

Seasonal genetic variation associated with population dynamics of a poecilogenous polychaete worm.

Thonig, A., Banta, G. T., Hansen, B. W. & Knott, K. E., 2017, In: Ecology and Evolution. 7, 23, p. 10005–10017 12 p.

The constraints of high density production of the calanoid copepod *Acartia tonsa* Dana

Thuy, M. V. T., Hansen, B. W. & Kiørboe, T., 2017, In: Journal of Plankton Research. 39, 6, p. 1028–1039 12 p.

Plankton composition and biomass development: a seasonal study of a semi-intensive outdoor system for rearing of turbot

Jakobsen, H. H., Jepsen, P. M., Blanda, E., Jørgensen, N. O. G., Novac, A., Engell-Sørensen, K. & Hansen, B. W., 6 Dec 2016, In: Aquaculture Nutrition. 22, 6, p. 1239-1250 12 p.

Copepods, a promising live feed for farmed fish and shrimp larvae

Hansen, B. W. & Jepsen, P. M., Dec 2016, In: Eurofish. 2016, 6, p. 15-16 2 p.

Inorganic nitrogen addition in a semi-intensive turbot larval aquaculture system: effects on phytoplankton and zooplankton composition

Blanda, E., Hansen, B. W., Højgaard, J. K., Jepsen, P. M., Pedersen, M. F., Rayner, T. A., Thoisen, C. V. & Jacobsen, H. H., Dec 2016, In: Aquaculture Research. 47, 12, p. 3913-3933 20 p.

Population and reproductive dynamics of the polychaete *Pygospio elegans* in a boreal estuary complex

Thonig, A., Knott, K. E., Kesäniemi, J. E., Winding Hansen, B. & Banta, G. T., Dec 2016, In: Invertebrate Biology. 135, 4, p. 370-384 15 p.

Estimation of microalgal biomass by optical density - the importance of physiological state, exemplified with *Rhodomonas salina*, an important live feed alga

Nielsen, S. L., Gassol, G. & Hansen, B. W., 23 Sept 2016.

Trophic transfer of *Acartia tonsa* feed different microalgae: effects of nutritional quality

Jepsen, P. M., Rayner, T. A., David, J. & Hansen, B. W., 20 Sept 2016.

Optimization of photosynthesis, growth, and biochemical composition of the microalga *Rhodomonas salina*: an established diet for live feed copepods in aquaculture

Thuy, M. V. T., Douëtte, C., Rayner, T. A., Thoisen, C. V., Nielsen, S. L. & Hansen, B. W., 19 May 2016, In: Journal of Applied Phycology. 28, 3, p. 1485-1500 16 p.

Coexistence of Pacific oyster *Crassostrea gigas* (Thunberg, 1793) and blue mussels *Mytilus edulis* Linnaeus, 1758 on a sheltered intertidal bivalve bed?

Holm, M. W., Davids, J., Holmes, E., Dolmer, P., Nielsen, T. T., Vismann, B. & Hansen, B. W., 8 May 2016, In: Aquatic Invasions. 11, 2, p. 155-165 11 p.

Are invertebrates relevant models in ageing research? Focus on the effects of rapamycin on TOR

Erdogan, C. S., Hansen, B. W. & Vang, O., Jan 2016, In: Mechanisms of Ageing and Development. 153, p. 22-29 8 p.

A cost-effectiveness analysis of live feeds in juvenile turbot *Scophthalmus maximus* (Linnaeus, 1758) farming: copepods versus Artemia

Gedefaw Abate, T., Nielsen, R., Nielsen, M., Jepsen, P. M. & Hansen, B. W., 2016, In: Aquaculture Nutrition. 22, 4, p. 899-910 11 p.

Embryonic cold storage capability from seven strains of *Acartia* spp. isolated in different geographical areas

Hansen, B. W., Buttino, I., Cunha, M. E. & Drillet, G., 2016, In: Aquaculture. 457, p. 131-139 9 p.

Field clearance of an intertidal bivalve bed: relative significance of the co-occurring blue mussel *Mytilus edulis* and Pacific oyster *Crassostrea gigas*

Vismann, B., Holm, M. W., Davids, J., Dolmer, P., Pedersen, M. F., Blanda, E., Torp Christensen, H., Nielsen, P. & Hansen, B. W., 2016, In: Aquatic Biology. 25, p. 107-119 13 p.

Outdoor rearing facilities of free spawning calanoid copepods for turbot larva can host a bank of resting eggs in the sediment

Hansen, B. W., Blanda, E., Drillet, G., Højgaard, J. K., Marhjoub, M-S. & Rayner, T. A., 2016, In: Aquaculture International. 24, 4, p. 949-964 16 p.

Physiological improvement in the copepod *Eurytemora affinis* through thermal and multi-generational selection

Souissi, A., Souissi, S. & Hansen, B. W., 2016, In: Aquaculture Research. 47, 7, p. 2227-2242 16 p.

Laboratory scale photobioreactor for high production of microalgae *Rhodomonas salina* used as food for intensive copepod cultures

Thuy, M. V. T., Jepsen, P. M., Hansen, B. W. & Nielsen, S. L., 20 Oct 2015.

Distribution and economic feasibility of the production of the calanoid copepod *Acartia tonsa*

Jepsen, P. M., novac, A., Drillet, G., Nielsen, M., Nielsen, R., Abate, T. G., Mahjoub, M. S., Hansen, B. W. & Rais, M., 24 Aug 2015.

Development of phytoplankton communities: Implications of nutrient injections on phytoplankton composition, pH and ecosystem production

Jacobsen, H. H., Blanda, E., Stæhr, P. A., Højgaard, J. K., Rayner, T. A., Pedersen, M. F., Jepsen, P. M. & Hansen, B. W., 11 Aug 2015, In: Journal of Experimental Marine Biology and Ecology. 473, p. 81-89 9 p., 473.

Economic Feasibility of Copepod Production for Commercial use: Result from a prototype Production Facility

Abate, T. G., Nielsen, R., Nielsen, M., Drillet, G., Jepsen, P. M. & Hansen, B. W., 1 Jun 2015, In: Aquaculture. 436, p. 72-79 8 p.

Tolerance of un-ionized ammonia in live feed cultures of the calanoid copepod *Acartia tonsa* Dana

Jepsen, P. M., Andersen, C. V. B., Schjelde, J. & Hansen, B. W., Feb 2015, In: Aquaculture Research. 46, 2, p. 420-431 12 p.

Population dynamics of the spionid polychaete *Pygospio elegans* in Isefjord and Roskilde Fjord.

Thonig, A., Banta, G. T., Kesäniemi, J., Knott, K. E. & Hansen, B. W., 28 Jan 2015.

Aggregation and attachment responses of blue mussels, *Mytilus edulis*: impact of substrate composition, time scale and source of mussel seed

Torp Christensen, H., Dolmer, P., Hansen, B. W., Holmer, M., Dahl Kristensen, L., Poulsen, L. K., Stenberg, C., Moesgaard Albertsen, C. & G. Støttrup, J., 2015, In: Aquaculture. 435, 1, p. 245-251 7 p.

A new large egg type from the marine live feed calanoid copepo *Acartia tonsa* (Dana) - Perspectives for selective breeding of designer feed for hatcheries

Hansen Hammervold, S., Glud, R. N., Evjemo, J. O., Hagemann, A. & Hansen, B. W., 2015, In: Aquaculture. 436, p. 114-120

Biochemical composition of the promising live feed tropical calanoid copepod *Pseudodiaptomus annadalei* (Sewell 1991) cultured in Taiwanese outdoor ponds.

Rayner, T. A., Jørgensen, N. O. G., Blanda, E., Wu, C-H., Huang, C-C., Mortensen, J., Hwang, J-S. & Hansen, B. W., 2015, In: Aquaculture. 441, p. 25-34 10 p.

Horizontal and vertical dynamics of zooplankton and fish larvae communities during mid-summer in the arctic Disko Bay, West Greenland

Nielsen, T. G., Munk, P. & Hansen, B. W., 2015, In: Journal of Plankton Research. 37, 3, p. 554-570

Moderate establishment success of Pacific oyster, *Crassostrea gigas*, on a sheltered intertidal mussel bed

Holm, M. W., Davids, J., Dolmer, P., Vismann, B., Holmes, E., Nielsen, T. T. & Hansen, B. W., 2015, In: Journal of Sea Research. 104, p. 1-8

Total egg harvest by the calanoid copepod *Acartia tonsa* (Dana) in intensive culture: effects of high stocking densities on daily egg harvest and egg quality

Drillet, G., Rais, M., Novac, A., Jepsen, P. M., Mahjoub, M-S. & Hansen, B. W., 2015, In: Aquaculture Research. 46, 12, p. 3028–3039 12 p.

Trophic interactions and productivity of copepods as live feed from tropical Taiwanese outdoor aquaculture ponds

Blanda, E., Drillet, G., Huang, C-C., Hwang, J-S., Jakobsen, H. H., Rayner, T. A., Su, H-M., Wu, C-H. & Hansen, B. W., 2015, In: Aquaculture. 445, p. 11-21

Expression of hsp70 and ferritin in embryos of the copepod *Acartia tonsa* (Dana) during transition between subitaneous and quiescent state

Nilsson, B., Jepsen, P. M., Rewitz, K. & Hansen, B. W., 26 Nov 2014, In: Journal of Plankton Research. 36, 2, p. 513-522 10 p.

Opinions on the Sustainable Development of Aquaculture

Guillaume, D., Chan, N., Drillet, Z., Foulsham, A. J., Ducheyne, A., Eikaas, H. S., Schmoker, C., Hansen, B. W. & Lybæk, R., 31 Oct 2014, In: Journal of Fisheries and Livestock Production. 2, 2, 3 p., ISSN:2332-2608 JFLP.

Effects of Demersal Otter Trawls on the Re-suspension of Copepod Resting Eggs and Its Potential Effects on Recruitment

Hansen, B. W., Drillet, G., Hay, G. & O'Neill, F. G., 15 Jun 2014, In: Journal of Fisheries and Livestock Production. 2, 1

A comprehensive and precise quantification of the calanoid copepod *Acartia tonsa* (Dana) for intensive live feed cultures using an automated Zoolimage system

Vu, M. T. T., Jepsen, P. M. & Hansen, B. W., 20 Feb 2014, In: Aquaculture. 422-423, p. 225-231 7 p., 422-423.

Chaotic genetic patchiness and high relatedness of a poecilogenous polychaete in a heterogeneous estuarine landscape

Hansen, B. W., Banta, G. T., Kesäniemi, J. E. & Knott, K. E., 2014, In: Marine Biology. 161, 11, p. 2631-2644

High relatedness and chaotic genetic patchiness of a polychaete in a heterogeneous estuarine landscape

Knott, K. E., Kesäniemi, J., Banta, G. T. & Hansen, B. W., 2014, In: Integrative and Comparative Biology. 54, Supplement 1, p. E299 1 p.

Status of the Pacific Oyster *Crassostrea gigas* (Thunberg, 1793) in the western Limfjord, Denmark - Five years of population development

Groslier, T., Toft Christensen, H., Davids, J., Dolmer, P., Elmedal, I., Holm, M. W. & Hansen, B. W., 2014, In: Aquatic Invasions. 9, 2, p. 175-182

Temporal genetic structure in a poecilogenous polychaete: the interplay of developmental mode and environmental stochasticity

Hansen, B. W., Kesäniemi, J. E., Mustonen, M., Boström, C. & Knott, K. E., 2014, In: B M C Evolutionary Biology. 14, 12, 12 p.

Automatic quantification of the calanoid copepod *Acartia tonsa* (Dana) in intensive live feed cultures using Zoolimage software

Vu, M. T. T., Jepsen, P. M. & Hansen, B. W., 3 Nov 2013.

Recent advances within intensive Recirculated Aquaculture System cultivation of the calanoid copepod *Acartia tonsa* (Dana)

Jepsen, P. M., Højgaard, J. K., Drillet, G., Mahjoub, M-S., Rais, M., Novac, A., Schjelde, J., Andersen, C. V. B. & Hansen, B. W., 1 Oct 2013. 1 p.

Combating some of the crucial bottlenecks for calanoid cultivation for live feed

Hansen, B. W., Drillet, G. & Jepsen, P. M., 9 Aug 2013, *Larvi 2013: 6th fish & shellfish larviculture symposium*. Ghent: Larvi 2013, p. 176-179 4 p.

Copepods Nature's Choice

Jepsen, P. M., Hansen, B. W., Drillet, G. & Rayner, T. A., 1 Aug 2013, In: Hatcheryfeed Magazine. 1, 1, p. 9-12 4 p.

Comparative oxygen consumption rates of subitaneous and delayed hatching eggs of the calanoid copepod *Acartia tonsa* (Dana)

Hansen, B. W. & Drillet, G., 2013, In: Journal of Experimental Marine Biology and Ecology. 442, p. 66-69

Early development of *Calanus hyperboreus* nauplii: Response to a changing ocean

Hansen, B. W., Jung-Madsen, S., Gissel-Nielsen, T., Grønkjær, P. & Friis Møller, E., 2013, In: Limnology and Oceanography. 58, 6, p. 2109-2121

Turbot Larval Development in Semi-Extensive Aquaculture Mesocosms: Effects of Phytoplankton and Zooplankton Composition

Jepsen, P. M., Hansen, B. W., Blanda, E., Jakobsen, H. H. & Nejstgaard, J. C., 16 Oct 2012.

Do *Acartia tonsa* (Dana) eggs regulate their volume and osmolality as salinity changes?

Hansen, B. W., Drillet, G., Pedersen, M. F., Sjøgren, K. P. & Visman, B., Jul 2012, In: Journal of Comparative Physiology. B, Biochemical, Systemic, and Environmental Physiology. 182, 5, p. 613-623 11 p.

Area-intensive bottom culture of blue mussels *Mytilus edulis* in a micro-tidal estuary

Dolmer, P., Torp Christensen, H., Hansen, B. W. & Visman, B., 2012, In: Aquaculture Environment Interactions. 3, 1, p. 81-91

Dietary supplementation of essential fatty acids in larval pikeperch (*Sander lucioperca*); short and long term effects on stress tolerance and metabolic physiology

Lund, I., Skov, P. V. & Hansen, B. W., 2012, In: Comparative Biochemistry and Physiology - Part A: Molecular & Integrative Physiology. 162, 4, p. 340-348

Effects of a future warmer ocean on the coexisting copepods *Calanus finmarchicus* and *C. glacialis* in Disko Bay, western Greenland

Kjellerup, S., Dünweber, M., Swalethorp, R., Gissel Nielsen, T., Friis Møller, E., Markager, S. & Hansen, B. W., 2012, In: Marine Ecology - Progress Series. 447, p. 87-108

Effects of temperature and food availability on feeding and egg production of *Calanus hyperboreus* from Disko Bay, western Greenland

Vestergaard Henriksen, M., Jung-Madsen, S., Gissel Nielsen, T., Friis Møller, E., Vestergaard Henriksen, K., Markager, S. & Hansen, B. W., 2012, In: Marine Ecology - Progress Series. 447, p. 109-126

Fatty acid transformation in zooplankton: from seston to benthos

Tisellius, P., Hansen, B. W. & Calliari, D., 2012, In: *Marine Ecology - Progress Series*. 446, p. 131-144

Impact of an icy winter on the Pacific oyster (*Crasostrea gigas* Thunberg, 1793) population in Scandinavia

Strand, Å., Blanda, E., Bodvin, T., Jensen, L. F., Holm Hansen, T. H., Jelmert, A., Lindegarth, S., Mortensen, S., Moy, F. E., Nielsen, P., Norling, P., Nyberg, C., Christensen, H. T., Vismann, B., Hansen, B. W., Davids, J., Dolmer, P. & Holm, M. W., 2012, In: *Aquatic Invasions*. 7, 3, p. 433-440

Distribution and mortality of diapause eggs from calanoid copepods in relation to sedimentation regimes

Sichlau, M. H., Hansen, J. LS., Andersen, T. J. & Hansen, B. W., 2011, In: *Marine Biology*. 158, 3, p. 665-676

Do inactivated Microbial Preparations Improve Life History Traits of the Copepod *Acartia tonsa*?

Drillet, G., Rabarimanantsoa, T., Frouel, S., Lamson, J. S., Christensen, A. M., Kim-Thiam, S. & Hansen, B. W., 2011, In: *Marine Biotechnology*. 13, 5, p. 831-836 6 p.

Feeding, growth and metabolism of the marine heterotrophic dinoflagellate *Gyrodinium dominans*

Schmoker, C., Thor, P., Hernández-león, S. & Hansen, B. W., 2011, In: *Aquatic Microbial Ecology*. 65, 1, p. 65-73

Grazing, egg production, and biochemical evidence of differences in the life strategies of *Calanus finmarchicus*, *C. glacialis* and *C. hyperboreus* in Disko Bay, western Greenland

Swalethorp, R., Kjellerup, S., Dünweber, M., Gissel Nielsen, T., Friis Møller, E., Rysgaard, S. & Hansen, B. W., 2011, In: *Marine Ecology - Progress Series*. 429, p. 125-144

In situ method for measurements of community clearance rate on shallow water bivalve populations

Hansen, B. W., Dolmer, P. & Vismann, B., 2011, In: *Limnology and Oceanography: Methods*. 9, p. 454-459

Pollution from mining in South Greenland: uptake and release of Pb by blue mussels (*Mytilus edulis* L.) documented by transplantation experiments

Zimmer, L. A., Asmund, G., Johansen, P., Mortensen, J. & Hansen, B. W., 2011, In: *Polar Biology*. 34, 3, p. 431-439

Resting egg production induced by food limitation in the calanoid copepod *Acartia tonsa*

Drillet, G., Hansen, B. W. & Kiørboe, T., 2011, In: *Limnology and Oceanography*. 56, 6, p. 2064-2070

Status and recommendations on marine copepod cultivation for use as live feed

Drillet, G., Frouël, S., Sichlau, M. H., Jepsen, P. M., Højgaard, J. K., Joarder, A. K. & Hansen, B. W., 2011, In: *Aquaculture*. 315, 3-4, p. 155-166

The challenge of identification and viability assessment of organisms in resting stages

Drillet, G. & Hansen, B. W., 3 Nov 2010.

Gender-specific ageing and non-Mendelian inheritance of oxidative damage in marine copepods

Rodríguez-Graña, L., Calliari, D., Tisellius, P., Hansen, B. W. & Nilsson Sköld, H., 2010, In: *Marine Ecology - Progress Series*. 401, p. 1-13 13 p.

High salinity tolerance in eggs and fry of a brackish *Esox lucius* population

Jørgensen, A. T., Hansen, B. W., Jacobsen, L., Skov, C., Berg, S. & Bekkevold, D., 2010, In: *Fisheries Management and Ecology*. 17, 6, p. 554-560

Influence of dietary arachidonic acid combined with light intensity and tank colour on pigmentation of common sole (*Solea solea* L.) larvae

Lund, I., Steenfeldt, S. J. & Hansen, B. W., 2010, In: *Aquaculture*. 308, 3-4, p. 159-165

Larval growth in the dominant polychaete *Polydora ciliata* is food-limited in a eutrophic Danish estuary (Isefjord)
Pedersen, T. M., Almeda, R., Fotel, F. L., Jakobsen, H. H., Mariani, P. & Hansen, B. W., 2010, In: Marine Ecology - Progress Series. 407, p. 99-110

Production, hatching success and surface ornamentation of eggs of calanoid copepods during a winter at 57°N
Hansen, B. W., Drillet, G., Møbjerg Kristensen, R., Sørensen, T. F. & Them Tøttrup, M., 2010, In: Marine Biology. 157, 1, p. 59-68 10 p.

Resting eggs in a key player Calanoid copepod in coastal areas. The case of *Acartia tonsa* (Dana)
Drillet, G. & Hansen, B. W., 2010.

Swimming behavior and prey retention of the polychaete larvae *Polydora ciliata* (Johnston)
Hansen, B. W., Jacobsen, H. H., Andersen, A., Almeda, R., Pedersen, T. M., Christensen, A. M. & Nilsson, B., 2010, In: Journal of Experimental Biology. 213, 18, p. 3237-3246

Swimming behavior and prey retention of the polychaet larvae *Polydora ciliata* (Johnston).
Hansen, B. W., Jacobsen, H. H., Andersen, A., Almeda, R., Pedersen, T. M., Christensen, A. M. & Nielsson, B., 2010, In: Journal of Experimental Biology. 213, p. 3237-3246

Temperature effects on copepod egg hatching: does acclimatization matter?
Hansen, B. W., Drillet, G., Kozmér, A., Madsen, K. V., Pedersen, M. F. & Sørensen, T. F., 2010, In: Journal of Plankton Research. 32, 3, p. 305-315 10 p.

Feeding and growth kinetics of the planktotrophic larvae of the spionid polychaete *Polydora ciliata* (Johnston)
Almeda, R., Pedersen, T. M., Jacobsen, H. H., Alcaraz, M., Calbet, A. & Hansen, B. W., 2009, In: Journal of Experimental Marine Biology and Ecology. 382, 1, p. 61-68

Improving Cultivation of Marine Copepods for use as Live Feed: Status and Future
Drillet, G., Hansen, B. W., Frouel, S., Joarder, A. K., Kring Højgaard, J., Jepsen, P. & Sichlau, M. H., 2009.

Mangfoldigheden på spil
Torp Christensen, H., Elmedal, I., Hansen, B. W. & Jensen, T., 2009, In: Aktuel Naturvidenskab. 2009, 5, p. 30-32

Strain-specific vital rates in four *Acartia tonsa* cultures, I: Strain origin, genetic differentiation and egg survivorship
Drillet, G., Goetze, E., Jepsen, P. M., Højgaard, J. K. & Hansen, B. W., 1 Aug 2008, In: Aquaculture. 280, 1-4, p. 109-116 8 p.

A comparison of fatty acid composition and quality aspects of eggs and larvae from cultured and wild broodstock of common sole (*Solea solea* L.)
Lund, I., Steenfeldt, S. J., Suhr, KI. & Hansen, B. W., 2008, In: Aquaculture Nutrition. 14, 6, p. 544-555

Annual population development and production by small copepods in Disko Bay, western Greenland
Madsen, S. S. D., Nielsen, T. G. & Hansen, B. W., 2008, In: Marine Biology. 155, 1, p. 63-77 15 p.

Differences in life history traits within various strains of the calanoid copepod *Acartia tonsa*, with a focus on resting egg production.
Drillet, G., Hansen, B. W., Goetze, E., Kring Højgaard, J., Jepsen, P., Jørgensen, N. O. G. & Kiørboe, T., 2008.

High reproduction, but low biomass: mortality estimates of the copepod *Acartia tonsa* in a hyper-eutrophic estuary.
Tiselius, P., Andersen Borg, C. M., Hansen, B. W., Juel Hansen, P., Gissel Nielsen, T. & Vismann, B., 2008, In: Aquatic Biology. 2, 1, p. 93-103

Mortality through ontogeny of soft-bottom marine invertebrates with planktonic larvae

Pedersen, T. M., Hansen, J. LS., Josefson, A. & Hansen, B. W., 2008, In: Journal of Marine Systems. 73, 1-2, p. 185-207 23 p.

Physiological and morphological plasticity of calanoid copepod eggs

Hansen, B. W., Drillet, G., Højgaard, J. K., Jepsen, P. M., Sichlau, M. H. & Sjøegren, K., 2008.

Salinity induced quiescence in eggs of the calanoid copepod *Acartia tonsa* (Dana): a simple method for egg storage

Højgaard, J. K., Jepsen, P. M. & Hansen, B. W., 2008, In: Aquaculture Research. 39, 8, p. 828-836 9 p.

Strain-specific vital rates in four *Acartia tonsa* cultures, II: Life history traits and biochemical contents of eggs and adults

Drillet, G., Jepsen, P. M., Højgaard, J. K., Jørgensen, N. O. G. & Hansen, B. W., 2008, In: Aquaculture. 279, 1-4, p. 47-54 8 p.

The influence of dietary concentrations of arachidonic acid and eicosapentanoic acid at various stages of larval ontogeny on eye migration, pigmentation and prostaglandin content of common sole larvae (*Solea solea* L.)

Lund, I., Steenfeldt, S. J., Banta, G. T. & Hansen, B. W., 2008, In: Aquaculture. 276, 1-4, p. 143-153 11 p.

Wax-ester mobilization by female *Calanus finmarchicus* (Gunnerus) during spring ascendance and advection to the Faroe Shelf

Madsen, M. L., Gaard, E. & Hansen, B. W., 2008, In: ICES Journal of Marine Science. 65, 7, p. 1112-1121 10 p.

Effect of dietary arachidonic acid, eicosapentaenoic acid and docosahexanoic acid on survival, growth and pigmentation in larvae of common sole (*Solea solea* L.)

Lund, I., Steenfeldt, S. J. & Hansen, B. W., 2007, In: Aquaculture. 273, 4, p. 532-544 23 p.

Effects of adult stocking density on egg production and viability in cultures of the calanoid copepod *Acartia tonsa* (Dana)

Jepsen, P. M., Andersen, N., Holm, T., Jørgensen, A. T., Højgaard, J. K. & Hansen, B. W., 2007, In: Aquaculture Research. 38, 6, p. 764-772 9 p.

Eggs from a Calanoid Copepod *Acartia tonsa* - tolerance to environmental stressors

Hansen, B. W., 2007.

Feeding activity and swimming patterns of *Acartia grani* and *Oithona davisae* nauplii in the presence of motile and non-motile prey

Henriksen, C. I., Saiz, E., Calbet, A. & Hansen, B. W., 2007, In: Marine Ecology - Progress Series. 331, p. 119-129

Perspectives on Marine zooplankton lipids

Kattner, G., Hagen, W., Lee, R. F., Campbell, R., Deibel, D., Falk-Petersen, S., Graeve, M., Hansen, B. W., Hirche, H.-J., Jonasdottir, S. H., Madsen, M. L., Mayzaud, P., Müller-Navarra, D., Nichols, P. D., Paffenhofer, G.-A., Pond, D., Saito, H., Stübing, D. & Virtue, P., 2007, In: Canadian Journal of Fisheries and Aquatic Sciences. 64, 11, p. 1628-1639 11 p.

Production and biochemical composition of eggs from neritic calanoid copepods reared in large outdoor tanks (Limfjord, Denmark)

Sørensen, T. F., Drillet, G., Engell-Sørensen, K., Hansen, B. W. & Ramløv, H., 2007, In: Aquaculture. 263, 1-4, p. 84-96 13 p.

Respiration rates of subitaneous eggs from a marine calanoid copepod: monitored by nanorespirometry.

Nielsen, P., Larsen, L. H., Ramløv, H. & Hansen, B. W., 2007, In: Journal of Comparative Physiology. B, Biochemical, Systemic, and Environmental Physiology. 177, 3, p. 287-296 10 p.

Structure and function of the pelagic ecosystem in Young Sound, NE Greenland

Nielsen, T. G., Ottosen, L. D. & Hansen, B. W., 2007, *Carbon cycling in Arctic marine ecosystems: case study Young Sound*. Rysgaard, S. & Glud, R. N. (eds.). Copenhagen: Danish Polar Center, Vol. 58. p. 58-107 (Meddelelser om

Groenland. Bioscience; No. 58).

Temporal occurrence of planktotrophic bivalve larvae identified by morphologically and by single step multiplex PCR.
Larsen, J. B., Frischer, M. E., Ockelmann, K. W., Rasmussen, L. J. & Hansen, B. W., 2007, In: Journal of Plankton Research. 29, 5, p. 423-436 13 p.

Biochemical and technical observations supporting the use of copepods as live feed organisms in marine larviculture
Drillet, G., Jørgensen, N. O. G., Sørensen, T. F., Ramløv, H. & Hansen, B. W., 2006, In: Aquaculture Research. 37, 8, p. 756-772 16 p.

Comparative specific growth and carbon demand for meroplankters and holoplankters in a highly productive Danish estuary, Isefjord

Hansen, B. W. & Lech Fotel, F., 2006, *Larval 2006: 7th Larval Biology Symposium, Coos Bay, Oregon August 27 - September 1, 2006*. Oregon Institute of Marine Biology, University of Oregon, 1 p.

Effect of cold storage upon eggs of a calanoid copepod *Acartia tonsa* (Dana) and their offspring

Drillet, G., Iversen, M. H., Sørensen, T. F., Ramløv, H., Lund, T. & Hansen, B. W., 2006, In: Aquaculture. 254, 1-4, p. 714-729

Effects of flood created decreases in salinity on the fitness of the colonial bryozoan *Bugula neritina*

Hansen, B. W., 2006, *International Conference on Recent Advances in Marine Antifouling Technology: 6 - 8 November, 2006*. 1 p.

Final report POCEFF

Engell-Sørensen, K., Ramløv, H., Hansen, B. W., Sørensen, T. F., Ejvemo, J., Holmstrup, M., Overrein, I., Verriopoulos, G. & Echab, J., 2006, *POCEFF report*. Roskilde: Roskilde Universitet, p. 1-187 187 p.

Influence of storage conditions on viability of quiescent copepod eggs (*Acartia tonsa* Dana): effects of temperature, salinity and anoxia

Holmstrup, M., Overgaard, J., Sørensen, T. F., Drillet, G., Hansen, B. W., Ramløv, H. & Engell-Sørensen, K., 2006, In: Aquaculture Research. 37, p. 625-631

Intensive production of calanoide copepods and possible preservation of COPEPOD eggs for fish farming: Presentation of overall results from the FP5-craft-project, POCEFF

Engell, KS., Drillet, G., Hansen, B. W., Echabe, JA., Ejvemo, JO., Fintikaki, M., Holmstrup, M., Overrein, I., Ramløv, H., Overgaard, J., Siampas, T., Svendsen, AK., Thinggaard, A., Tsovenis, I. & Verriopoulos, G., 2006, *AQUA 2006 - Meeting Abstract*. p. 1060

Perspectives in Calanoid Copepods as live feed for marine fish larvae

Hansen, B. W., 2006, *7th Asia Pacific Marine Biotechnology Conference: Taj Residency, Kochi, Kerala, India, 2 - 5 November 2006*. 1 p.

Physiological tolerance of marine calanoid copepod eggs to sulphide

Nielsen, P., Mortensen, J., Vismann, B. & Hansen, B. W., 2006, In: Marine Ecology - Progress Series. 328, p. 171-182 11 p.

Winter egg production and egg morphotypes of neritic copepods in Denmark

Hansen, B. W., Drillet, G., Sørensen, T. F. & Kristensen, R. M., 2006.

Effect of cold storage upon eggs of a Calanoid copepod *Acartia tonsa* (Dana) and their offspring

Drillet, G., Iversen, M. H., Sørensen, T. F., Ramløv, H., Lund, T. & Hansen, B. W., 2005.

Effects of prey motility and concentration on feeding in *Acartia tonsa* and *Temora longicornis*: the importance of feeding modes.

Jacobsen, H. H., Halvorsen, E., Hansen, B. W. & Visser, A. W., 2005, In: Journal of Plankton Research. 27, p. 775-785

Feltkursus i økologi - Biologi B: NatBas Institut 1 og 4

Tind, E., Rank, J., Hansen, B. W. & Pedersen, M. F., 2005, Roskilde: Roskilde Universitet.

Physiological tolerance of marine copepod eggs

Hansen, B. W., Drillet, G., Holmstrup, M., Overgaard, J., Mortensen, J., Nielsen, P., Ramløv, H., Engell-Sørensen, K., Sørensen, T. F. & Vismann, B., 2005.

Real-time quantification of microbial degradation of copopod fecal pellets monitored by isothermal microcalorimetry

Olsen, S. N., Westh, P. & Hansen, B. W., 2005, In: Aquatic Microbial Ecology. 40, p. 259-267

Single step nested multiplex PCR to differentiate between different taxa of bivalve larvae

Borggaard Larsen, J., Frischer, M. E., Rasmussen, L. J. & Hansen, B. W., 2005, In: Marine Biology. 146, 6, p. 1119-1129

Spatial distribution of velichoncha larvae (Bivalvia) identified by SSNM-PCR.

Hansen, B. W. & Larsen, J. B., 2005, In: Journal of Shellfish Research. 24, p. 561-565

The relative importance of protozooplankton and copepods as grazers on phytoplankton during a spring bloom situation on the Faroe Shelf.

Depes, H. H., Hansen, B. W. & Hansen, P. J., 2005, In: Fróðskaparrit - Annales Societatis Scientiarum Færoensis. 53, p. 82-99

Zooplankton lipids

Hansen, B. W., 2005, *Marine Zooplankton Lipid Workshop*. Hansa Wissenschaftskolleg

Changes in plankton and fish larvae communities across hydrographic fronts off West Greenland

Munk, P., Hansen, B. W., Nielsen, T. G. & Thomsen, H. A., 2003, In: Journal of Plankton Research. 25, 7, p. 815-830

Differences in life cycle traits of *Calanus finmarchicus* (*gunnerus*) originating from 60 degrees N and 69 degrees N, when reared in mesocosms at 69 degrees N

Hansen, B. W., Marker, T., Andreassen, P., Arashkewich, E., Carlotti, F., Lindeque, P., Tande, K. S. & Wagner, M., 2003, In: Marine Biology. 142, p. 877-893

Impact of changing ice cover on pelagic productivity and food web structure in Disko Bay, West Greenland: a dynamic model approach

Hansen, A. S., Nielsen, T. G., Levinse, H., Madsen, S. D., Thingstad, T. F. & Hansen, B. W., 2003, In: Deep Sea Research - Part I - Oceanographic Research Papers. 50, 1, p. 171-187

Influence of LAS on marine calanoid copepod population dynamics and potential reproduction

Christoffersen, K., Hansen, B. W., Johansson, L. S. & Krog, E., 2003, In: Aquatic Toxicology. 63, p. 405-416

Lipid deposition and diapause in cohorts of *Calanus finmarchicus* (*Gunnerus*) originating from Bergen (60 degrees N) and Tromsø (69 degrees N) reared in Tromsø, Norway

Marker, T., Andreassen, P., Arashkewich, E. & Hansen, B. W., 2003, In: Marine Biology. 143, p. 283-296

Comparing sensitivity of ecotoxicological effect endpoints between laboratory and field

Selck, H., Riemann, B., Christoffersen, K., Forbes, V. E., Gustavson, K., Hansen, B. W., Jacobsen, J. A., Kusk, O. K. & Petersen, S., 2002, In: Ecotoxicology and Environmental Safety. 58, p. 2245-2255

Invertebrate re-colonisation i Mariager Fjord (Denmark) after a severe hypoxia: I. Zooplankton and settlement

Hansen, B. W., Stenalt, E., Petersen, J. K. & Ellegaard, C., 2002, In: Marine Biology Research. 56, p. 197-213

Invertebrate re-colonisation in Mariager Fjord (Denmark) after a severe hypoxia: II. Blue mussels (*Mytilus edulis* L.)
Petersen, J. K., Stenalt, E. & Hansen, B. W., 2002, In: *Ophelia : International Journal of Marine Biology.* 56, p. 215-226

Reproductive cycles of three dominant calanus-species in the Disko Bay (West Greenland)
Niehoff, B., Madsen, S. S. D. & Hansen, B. W., 2002, In: *Marine Biology.* 140, p. 567-576

Annual population development and production by *Calanus finmarchicus*, *C-glacialis* and *C-hyperboreus* in Disko Bay, western Greenland
Madsen, S. D., Nielsen, T. G. & Hansen, B. W., 2001, In: *Marine Biology.* 139, p. 75-93

Future marine zooplankton research: a perspective
Pafenhöfer, G. A. & Hansen, B. W., 2001, In: *Marine Ecology - Progress Series.* 222, p. 297-308

Zooplankton feeding ecology: grazing on phytoplankton and predation on protozoans by copepod and barnacle nauplii in Disko Bay, West Greenland
Turner, J. T., Levinsen, H., Nielsen, T. G. & Hansen, B. W., 2001, In: *Marine Ecology - Progress Series.* 221, p. 209-219

Annual succession of marine pelagic protozoans in Disko Bay, West Greenland with emphasis on winter dynamics
Levinsen, H., Nielsen, T. G. & Hansen, B. W., 2000, In: *Marine Ecology - Progress Series.* 206, p. 119-134

Ciliates and heterotrophic dinoflagellates in the marginal ice zone of the central Barents Sea during spring
Jensen, F. & Hansen, B. W., 2000, In: *Journal of the Marine Biological Association of the United Kingdom.* 80, p. 45-54

Feeding, growth, and reproduction in the genus Calanus
Harris, R. P., Irigoien, X., Head, R. N., Rey, C., Hygum, B. H., Hansen, B. W., Niehoff, B., Meyer-Harms, B. & Carlotti, F., 2000, In: *ICES Journal of Marine Science.* 57, p. 1708-1726

Food web interactions in a *Calanus finmarchicus* dominated pelagic ecosystem: a mesocosm study
Hansen, B. W., Hygum, B. H., Brozek, M., Jensen, F. & Rey, C., 2000, In: *Journal of Plankton Research.* 33, p. 569-588

Importance of food quantity to structural growth rate and neutral lipid reserves accumulated in *Calanus finmarchicus*
Hygum, B. H., Rey, C., Hansen, B. W. & Tande, K., 2000, In: *Marine Biology.* 136, p. 1057-1073

On the trophic coupling between protists and copepods in arctic marine ecosystems
Levinsen, H., Jefferson, T. T., Nielsen, T. G. & Hansen, B. W., 2000, In: *Marine Ecology - Progress Series.* 204, p. 65-77

Rearing cohorts of *Calanus finmarchicus* (Gunnerus) in mesocosms
Hygum, B., Rey, C., Hansen, B. W. & Carlotti, F., 2000, In: *ICES Journal of Marine Science.* 57, p. 1740-1751

Specific growth rates of protozooplankton in the marginal ice zone of the central Barents Sea during spring
Hansen, B. W. & Jensen, F., 2000, In: *Journal of the Marine Biological Association of the United Kingdom.* 80, p. 37-44

The effect of food on the determination of sex ratio in *Calanus* spp. evidence from experimental studies and field data
Irigoien, X., Obermüller, B., Head, R. N., Harris, R. P., Rey, C., Hansen, B. W., Hygum, B. H. & Heath, M. R., 2000, In: *ICES Journal of Marine Science.* 57, p. 1752-1763

Cohort growth of planktrophic polychaete larvae: are they food limited?
Hansen, B. W., 1999, In: *Marine Ecology - Progress Series.* 178, p. 109-119

In situ and laboratory growth by a population of blue mussel larvae (*Mytilus edulis* L.) from a Danish embayment, Knebel Vig
Fotel, F. L., Jensen, N. J., Wittrup, L. & Hansen, B. W., 1999, In: *Journal of Experimental Marine Biology and Ecology.* 233 , p. 213-230

Pelagic primary production during summer along 65 to 72 degrees N off West Greenland

Jensen, H. M., Pedersen, L., Burmeister, A. D. & Hansen, B. W., 1999, In: Polar Biology. 21, p. 269-278

Plankton community structure and carbon cycling on the western coast of Greenland during the stratified summer situation: II. Heterotrophic dinoflagellates and ciliates

Levinsen, H., Nielsen, T. G. & Hansen, B. W., 1999, In: Aquatic Microbial Ecology. 16, 3, p. 217-232 15 p.

Plankton community structure and carbon cycling on the western coast of Greenland during the stratified summer situation: I. Hydrography, phytoplankton and bacterioplankton

Nielsen, T. G. & Hansen, B. W., 1999, In: Aquatic Microbial Ecology. 16, 3, p. 205-216

Plankton community structure and carbon cycling on the western coast of Greenland during the stratified summer situation: III. Mesozooplankton

Hansen, B. W., Nielsen, T. G. & Levinsen, H., 1999, In: Aquatic Microbial Ecology. 16, 3, p. 233-249

Seasonal variation in nutrients, pelagic primary production and grazing in a high-Arctic coastal marine ecosystem, Young Sound, Northeast Greenland

Rysgaard, S., Nielsen, T. G. & Hansen, B. W., 1999, In: Marine Ecology - Progress Series. 179, p. 13-25

The significance of food web structure for the condition and tracer lipid content of juvenile snail fish (Pisces: Liparis spp.) along 65-72 degrees N off West Greenland

Pedersen, L., Jensen, H. M., Burmeister, A. D. & Hansen, B. W., 1999, In: Journal of Plankton Research. 21, 9, p. 1593-1611

Energetic and behavioral responses by the common goby, Pomatoschistus microps (Kroyer), exposed to linear alkylbenzene sulfonate

Christiansen, P. D., Brozek, M. & Hansen, B. W., 1998, In: Environmental Toxicology and Chemistry. 17, p. 2051-2057

Infiltration phyto- and protozooplankton assemblages in the annual sea ice of Disko Island, West Greenland, spring 1996

Buck, K. R., Nielsen, T. G., Hansen, B. W., Grastrup-Hansen, D. & Thomsen, H. A., 1998, In: Polar Biology. 20, p. 377-381

Mesocosm study of Mytilus edulis larvae and postlarvae, including the settlement phase, exposed to a gradient of tributyltin

Stenalt, E., Johansen, B., von Lillienskjold, S. & Hansen, B. W., 1998, In: Ecotoxicology and Environmental Safety. 40, p. 212-225

Betydningen af giftige stoffer for havmiljøets tilstand

Riemann, B., Gustavson, K., Petersen, S. & Hansen, B. W., 1997, In: Miljøforskning. 32, p. 47-52

Particle grazing efficiency and specific growth efficiency of the rotifer Brachionus plicatilis (Muller)

Hansen, B. W., Wernberg-Møller, T. & Wittrup, L., 1997, In: Journal of Experimental Marine Biology and Ecology. 215, p. 217-233

Physiological effects of the detergent linear alkylbenzene sulphonate on blue mussel larva (Mytilus edulis) in laboratory and mesocosm experiments

Hansen, B. W., Fotel, F. L., Jensen, N. J. & Wittrup, L., 1997, In: Marine Biology. 128, p. 627-637

Zooplankton grazing and growth: scaling within the 2-2,000-mu m body size range

Hansen, P. J., Kofoed Bjørnsen, P. & Hansen, B. W., 1997, In: Limnology and Oceanography. 42, p. 687-704

Bacteria associated with a marine planktonic copepod in culture: I. Bacterial genera in seawater, body surface, intestines and fecal pellets and succession during fecal pellet degradation

Hansen, B. W. & Bech, G., 1996, In: Journal of Plankton Research. 18, 2, p. 257-273

Bacteria associated with a marine planktonic copepod in culture: II. degradation of fecal pellets produced on a diatom, a nanoflagellate or a dinoflagellate diet

Hansen, B. W., Fotel, F. L., Jensen, N. J. & Madsen, S. D., 1996, In: Journal of Plankton Research. 18, 2, p. 275-288 14 p.

Plankton dynamics in the marginal ice zone of the central Barents Sea during spring: carbon flow and structure of the grazer food chain

Hansen, B. W., Christiansen, S. & Pedersen, G., 1996, In: Polar Biology. 16, p. 115-128

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*

Tiselius, P., Hansen, B. W., Jonsson, P., Kiørboe, T., Nielsen, T. G., Piontovski, S. & Saiz, E., 1995, In: ICES Journal of Marine Science. 52, p. 369-376

Dynamics of dissolved organic carbon lability in a eutrophic lake

Søndergaard, M. & Hansen, B. W., 1995, In: Limnology and Oceanography. 40, p. 46-54

Plankton community structure and carbon cycling on the western coast of Greenland during and after the sedimentation of a Diatom Bloom

Nielsen, T. G. & Hansen, B. W., 1995, In: Marine Ecology - Progress Series. 125, p. 239-257

Specific growth-rates of heterotrophic plankton organisms in a eutrophic lake during a spring bloom

Hansen, B. W. & Christoffersen, K., 1995, In: Journal of Plankton Research. 17, p. 413-430

On the trophic fate of *Phaeocystis pouchette* (Harriot). V. Trophic relationships between *Phaeocystis* and zooplankton: an assessment of methods and size dependence

Hansen, B. W., Verity, P., Falkenhaug, T., Tande, K. S. & Norrbin, F., 1994, In: Journal of Plankton Research. 16, 5, p. 487- 511

Pelagic carbon metabolism in a eutrophic lake during a clear-water phase

Markager, S., Hansen, B. W. & Søndergaard, M., 1994, In: Journal of Plankton Research. 16, 9, p. 1247-1267

The size ratio between planktonic predators and their prey

Hansen, B. W., 1994, In: Limnology and Oceanography. 39, 2, p. 395-403

Aspects of feeding, growth and stage development by trochophora larvae of the boreal Polychaete *Mediomastus fragile Rasmussen (capitellidai)*

Hansen, B. W., 1993, In: Journal of Experimental Marine Biology and Ecology. 166, p. 273-288

Flow through the feeding structures of suspension feeding zooplankton: physical model approach

Hansen, B. W. & Tiselius, P., 1992, In: Journal of Plankton Research. 14, 6, p. 821-834

Barentshavet

Hansen, B. W., 1991, In: Kaskelot. 92

Effects of large nongrazable particles on clearance and swimming behaviour of zooplankton

Hansen, B. W., Juel Hansen, P. & Gissel Nielsen, T., 1991, In: Journal of Experimental Marine Biology and Ecology. 152, p. 257-269

Feeding behaviour in larvae of the opisthobranch *Philine aperta* I: growth and functional response at different developmental stages

Hansen, B. W. & Ockelmann, K. W., 1991, In: Marine Biology. 111, 2, p. 255-261 6 p.

Feeding behaviour in larvae of the opisthobranch *Philine aperta* II: food size spectra and particle selectivity in relation to larval behaviour and morphology of the velar structures

Hansen, B. W., 1991, In: Marine Biology. 111, 2, p. 263-270