Assessing stakeholder's experience and sensitivity on key issues for the economic growth of organic aquaculture production. / Lembo, Giuseppe; Jokumsen, Alfred; Spedicato, Maria Teresa; Facchini, Maria Teresa; Bitetto, Isabella.
Publication: Research - peer-review › Journal article – Annual report year: 2018

Combined effects of microplastics and chemical contaminants on the organ toxicity of zebrafish ( Danio rerio ). / Rainieri, Sandra; Conlledo, Nadia; Larsen, Bodil Katrine; Granby, Kit; Barranco, Alejandro.
Publication: Research - peer-review › Journal article – Annual report year: 2018

Interplay between daily rhythmic serum-mediated bacterial killing activity and immune defence factors in rainbow trout (Oncorhynchus mykiss). / Lazado, Carlo Cabacang; Gesto, Manuel; Madsen, Lone; Jokumsen, Alfred.
in: Fish and Shellfish Immunology, Vol. 72, 2018, p. 418-425.
Publication: Research - peer-review › Journal article – Annual report year: 2018

Ozonation control and effects of ozone on water quality in recirculating aquaculture systems. / Spiliotopoulou, Aikaterini; Rojas-Tirado, Paula Andrea; Chehri, Ravi; Kaarsholm, Kamilla Marie Speht; Martin, Richard; Pedersen, Per Bovbjerg; Pedersen, Lars-Flemming; Andersen, Henrik Rasmus.
Publication: Research - peer-review › Journal article – Annual report year: 2018

Short-term exposure to repeated chasing stress does not induce habituation in Senegalese sole, Solea senegalensis. / Conde-Sieira, Marta; Valente, Luisa M.P.; Hernandez-Perez, Juan; Soengas, José L.; Miguez, Jesús M.; Gesto, Manuel.
Publication: Research - peer-review › Journal article – Annual report year: 2018

A comprehensive approach to assess feathermeal as an alternative protein source in Aquafeed. / Jasour, Mohammad Sedigh; Wagner, Liane; Sundekilde, Ulrik Kraemer; Larsen, Bodil Katrine; Greco, Ines; Orlien, Vibeke; Olsen, Karsten; Rasmussen, Hanne T.; Hjermitslev, Niels H.; Hammershøj, Marianne; Dalsgaard, Anne Johanne Tang; Dalsgaard, Trine Kastrup.
Publication: Research - peer-review › Journal article – Annual report year: 2017

Acute and long-term CO2 exposure reduces the performance of Atlantic salmon in RAS. / Khan, Javed Rafiq; Johansen, David; Skov, Peter Vilhelm.
Publication: Research › Conference abstract in proceedings – Annual report year: 2017

Alternative prophylaxis/disinfection in aquaculture - Adaptable stress induced by peracetic acid at low concentration and its application strategy in RAS. / Liu, Dibo; Pedersen, Lars-Flemming; Straus, David L.; Kloas, Werner; Meinelt, Thomas.
Publication: Research - peer-review › Journal article – Annual report year: 2017

Aqualase, a yeast-based in-feed probiotic, modulates intestinal microbiota, immunity and growth of rainbow trout Oncorhynchus mykiss. / Adel, Milad; Lazado, Carlo Cabacang; Safari, Reza; Yeganehe, Sakine; Zorriehzahra, Mohammad Jali.
Publication: Research - peer-review › Journal article – Annual report year: 2016
Bacterial activity dynamics in the water phase during start-up of recirculating aquaculture systems. / Rojas-Tirado, Paula Andrea; Pedersen, Per Bovbjerg; Pedersen, Lars-Flemming.
Publication: Research - peer-review › Journal article – Annual report year: 2017

Bigger is not better: cortisol-induced cardiac growth and dysfunction in salmonids. / Johansen, Ida B.; Sandblom, Erik; Skov, Peter Vilhelm; Gränns, Albin; Ekström, Andreas; Lunde, Ida G.; Vindas, Marco A.; Zhang, Lili; Höglund, Erik; Frisk, Michael; Sjaastad, Ivar; Nilsson, Göran E.; Øverli, Øyvind.
Publication: Research - peer-review › Journal article – Annual report year: 2017

Blood O2 affinity of a large polar elasmobranch, the Greenland shark Somniosus microcephalus. / Herbert, N.A.; Skov, Peter Vilhelm; Tirsgaard, B.; Bushnell, Peter G.; Brill, Richard W.; Harvey Clark, C.; Steffensen, John Fleng.
Publication: Research - peer-review › Journal article – Annual report year: 2017

Carryover of CH3Hg from feed to sea bass and salmon. / Rasmussen, Rie Romme; Håland, Weronica; Larsen, Bodil Katrine; Kotermann, Michel; Sloth, Jens Jørgen; Marques, António T.; Granby, Kit.
Publication: Research › Poster – Annual report year: 2017

Carryover of methylmercury from feed to seabass and salmon. / Rasmussen, Rie Romme; Håland, Weronica; Larsen, Bodil Katrine; Koterman, Michel; Sloth, Jens Jørgen; Marques, António T.; Granby, Kit.
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Combined effects of chronic exposure to suspended solid load and increased unionized ammonia concentrations on the physiology and growth performance of rainbow trout (Oncorhynchus mykiss). / Becke, Cornelius; Schumann, Mark; Steinhagen, Dieter; Rojas-Tirado, Paula Andrea; Geist, Juergen; Brinker, Alexander.
Publication: Research › Conference abstract in proceedings – Annual report year: 2017

Contrasting coping styles meet the wall: A dopamine driven dichotomy in behavior and cognition. / Höglund, Erik; Silva, Patricia Isabel da Mota E.; Vindas, Marco A.; Øverli, Øyvind.
Publication: Research - peer-review › Journal article – Annual report year: 2017

Coping styles in farmed fish: consequences for aquaculture. / Castanheira, Maria Filipa; Conceição, Luís E.C.; Millot, Sandie; Rey, Sonia; Bégout, Marie-Laure; Damsgård, Børge; Kristiansen, Tore; Höglund, Erik; Øverli, Øyvind; Martins, Catarina I.M.
Publication: Research - peer-review › Journal article – Annual report year: 2015

Crosstalk between innate immunity and circadian rhythm: Do fish immune defences have a sense of time? / Lazado, Carlo Cabacang; Lund, Ivar; Skov, Peter Vilhelm; Jokumsen, Alfred; Gesto, Manuel; Huy, Nguyen Quang; Pedersen, Per Bovbjerg.
Publication: Research › Poster – Annual report year: 2017

Denitrification in saltwater recirculating aquaculture systems (RAS) using an up-flow sludge bed reactor (USB). / Herreros, Miguel Martin; Letelier-Gordo, Carlos Octavio.
Dietary l-tryptophan leaves a lasting impression on the brain and the stress response. / Höglund, Erik; Øverli, Øyvind; Åberg Andersson, Madelene; Silva, Patricia Isabel da Mota E.; Laursen, Danielle Caroline; Moltesen, Maria M; Krogdahl, Åshild; Schjolden, Joachim; Winberg, Svante; Vindas, Marco A.; Mayer, Ian; Hillestad, Marie.

Effect of some common West African farm-made feeds on the oxygen consumption and ammonia excretion rates of Nile tilapia, Oreochromis niloticus. / Obirikorang, Kwasi Adu; Amisah, Stephen; Skov, Peter Vilhelm.

Effects of dietary digestible protein and energy levels on growth performance, feed utilization, and body composition of juvenile permit, Trachinotus falcatus (Linnaeus, 1758). / Nguyen, Huy Quang; Chu, Thiet Chi; Nguyen, Thuy Thi Le; Lund, Ivar.

Effects of high-frequency strobed laser light on Atlantic cod (Gadus morhua) physiology and behavior. / Behrens, Jane; Jarnit, Simon; Methling, Caroline; Mariani, Patrizio; Thorstensen, Jostein; Risholm, Petter; Thielemann, Jens T.; Haugholt, Karl Henrik; Gräns, Albin; Visser, Andre.

Effects of repeated acute stress in Senegalese sole Solea senegalensis. Can this species habituate to reiterated handling stress? / Conde-Sieira, Marta; Gesto, Manuel; Comesaña, S.; Velasco, C.; Hernandez-Perez, J.; Valente, L. M. P.; Soengas, J.L.
2017. Abstract from Congress of Iberian Association for Comparative Endocrinology, Vigo, Spain.

Emergence time and skin melanin spot patterns do not correlate with growth performance, social competitive ability or stress response in farmed rainbow trout. / Gesto, Manuel; Skov, Peter Vilhelm; Jokumsen, Alfred.

"End-of-Pipe treatment" y "residual resource". / Letelier-Gordo, Carlos Octavio.

First experiences from full-scale denitrifying woodchip bioreactors operated end-of-pipe at commercial RAS. / von Ahnen, Mathis; Pedersen, Per Bovbjerg; Dalsgaard, Anne Johanne Tang.

Fishmeal with different levels of biogenic amines in Aquafeed: Comparison of feed protein quality, fish growth performance, and metabolism. / Jasour, Mohammad Sedigh; Wagner, Liane; Sundekilde, Ulrik Kraemer; Larsen, Bodil Katrine; Tolderlund Rasmussen, Hanne; Harthøj Hjermitslev, Niels; Hammershøj, Marianne; Dalsgaard, Anne Johanne Tang; Dalsgaard, Trine Kastrup.

How do individuals cope with stress? Behavioural, physiological and neuronal differences between proactive and reactive coping styles in fish. / Vindas, Marco A; Gorissen, Marnix; Höglund, Erik; Flik, Gert; Tronci, Valentina; Damsgård, Børge; Thörnqvist, Per-Ove; Nilsen, Tom O.; Winberg, Svante; Øverli, Øyvind; Ebbesson, Lars O. E.
Publication: Research - peer-review › Journal article – Annual report year: 2017

Influence of fixed and moving bed biofilters on micro particle dynamics in a recirculating aquaculture system. / Fernandes, Paulo; Pedersen, Lars-Flemming; Pedersen, Per Bovbjerg.
Publication: Research - peer-review › Journal article – Annual report year: 2017

Los pros y los contras del percarbonato de sodio. / Pedersen, Lars-Flemming; Jokumsen, Alfred.
Publication: Research › Journal article – Annual report year: 2017

Micro particles in Danish Model Trout Farms. / de Jesus Gregersen, Joao; Pedersen, Per Bovbjerg; Pedersen, Lars-Flemming; Møller, Brian; Dalsgaard, Anne Johanne Tang.
Publication: Research › Conference abstract in proceedings – Annual report year: 2017

Monitoring abrupt changes in bacteria within biological stable RAS water. / Rojas-Tirado, Paula Andrea; Pedersen, Per Bovbjerg; Vadstein, Olav; Pedersen, Lars-Flemming.
Publication: Research › Conference abstract in proceedings – Annual report year: 2017

Neuroendocrine and immune responses undertake different fates following tryptophan or methionine dietary treatment: tales from a teleost model. / Azeredo, Rita; Machado, M.; Afonso, A.; Fierro-Castro, C.; Reyes-Lopez, F. E.; Tort, L.; Gesto, Manuel; Conde-Sieira, M.; Miguez, J.M.; Soengas, J. L.; Kreuz, E.; Wuertz, S.; Peres, H.; Oliva-Telles, A.; Costas, B.
2017. Abstract from Congress of Iberian Association for Comparative Endocrinology, Vigo, Spain.
Publication: Research › Conference abstract for conference – Annual report year: 2017

Optimizing RAS operations by new measures. / Dalsgaard, Johanne; Pedersen, Lars-Flemming; Pedersen, Per Bovbjerg.
Publication: Research › Editorial – Annual report year: 2017

Optimum ozonation of freshwater pilot recirculating aquaculture system - Water quality. / Spiliotopoulou, Aikaterini; Rojas-Tirado, Paula Andrea; Chhetri, Ravi Kumar; Kaarsholm, Kamilla Marie Speht; Martin, Richard; Pedersen, Per Bovbjerg; Pedersen, Lars-Flemming; Andersen, Henrik Rasmus.
Publication: Research › Conference abstract in proceedings – Annual report year: 2017
Particle surface area and bacterial activity in recirculating aquaculture systems. / Pedersen, Per Bovbjerg; von Ahnen, Mathis; Fernandes, Paulo; Naas, Christopher; Pedersen, Lars-Flemming; Dalsgaard, Anne Johanne Tang. In: Aquacultural Engineering, Vol. 78 A, 2017, p. 18-23. Publication: Research - peer-review › Journal article – Annual report year: 2017


Periodic bacterial control with peracetic acid in a recirculating aquaculture system and its long-term beneficial effect on fish health. / Liu, Dibo; Straus, David L.; Pedersen, Lars-Flemming; Meinelt, Thomas. In: Aquaculture, Vol. 485, 2017, p. 154-159. Publication: Research - peer-review › Journal article – Annual report year: 2017

Physiological roles of tryptophan in teleosts: current knowledge and perspectives for future studies. / Hoseini, Seyyed Morteza; Pérez-Jiménez, Amelia; Costas, Benjamin; Azeredo, Rita; Gesto, Manuel. In: Reviews in Aquaculture (Print), 2017. Publication: Research - peer-review › Journal article – Annual report year: 2017

Prediction of required ozone dosage for pilot recirculating aquaculture systems based on laboratory studies. / Spiliotopoulou, Aiakaterini; Rojas-Tirado, Paula Andrea; Kaarsholm, Kamilla Marie Speht; Martin, R.; Pedersen, Lars-Flemming; Andersen, Henrik Rasmus. Proceedings of 15th International Conference on Environmental Science and Technology. 2017. Publication: Research - peer-review › Article in proceedings – Annual report year: 2017


Reflex impairment, physiological stress, and discard mortality of European plaice Pleuronectes platessa in an otter trawl fishery. / Methling, Caroline; Skov, Peter Vilhelm; Madsen, Niels. In: ICES Journal of Marine Science, Vol. 74, No. 6, 2017, p. 1660-1671. Publication: Research - peer-review › Journal article – Annual report year: 2017

Repeated intra-specific divergence in lifespan and ageing of African annual fishes along an aridity gradient. / Blažek, Radim; Polačik, Matej; Kačer, Petr; Cellerino, Alessandro; Režucha, Radomíl; Methling, Caroline; Tomášek, Oldřich; Syslová, Kamila; Tozzini, Eva Terzibasi; Albrecht, Tomáš; Vrtílek, Milan; Reichard, Martin. In: Evolution, Vol. 71, No. 2, 2017, p. 386-402. Publication: Research - peer-review › Journal article – Annual report year: 2016


Short-term feed and light deprivation reduces voluntary activity but improves swimming performance in rainbow trout *Oncorhynchus mykiss*. / Khan, Javed Rafiq; Lazado, Carlo Cabacang; Methling, Caroline; Skov, Peter Vilhelm. In: Fish Physiology & Biochemistry, 2017.

Stress and recovery from trawl capture of Norway lobster (Nephrops norvegicus) and potential for live storage. / Skov, Peter Vilhelm; Methling, Caroline; Larsen, Bodil Katrine; Unmack, Christian P.; Karlse, Junita Diana; Behrens, Jane. 2017. Abstract from Dansk Havforskningsmøde, Helsingør, Denmark.


The influence of microplastic inclusion in feed on carryover of environmental pollutants from feed to seabass and salmon. / Granby, Kit; Rasmussen, Rie Romme; Kotteman, Michiel; Sloth, Jens Jørgen; Cederberg, Tommy Licht; Marques, António T.; Koelmans, Albert; Larsen, Bodil Katrine. Seafood safety new findings & innovation challenges - abstract book. Brussels, Belgium: Royal Flemish Academy of Science and the Arts (KVAB), 2017. p. 16-16.


The role of local adaptation in shaping fish-mussel coevolution. / Douda, Karel; Liu, Huan-Zhang; Yu, Dan; Rouchet, Romain; Liu, Fei; Tang, Qiong-Ying; Methling, Caroline; Smith, Carl; Reichard, Martin. In: Freshwater Biology, Vol. 62, No. 11, 2017, p. 1858-1868.


Transforming waste into new resources: optimizing sludge hydrolysis to improve nitrogen removal in aquaculture through denitrification. / Letelier-Gordo, Carlos Octavio; Pedersen, Per Bovbjerg (Main supervisor); Dalsgaard, Anne Johanne Tang (Supervisor). Technical University of Denmark, National Institute for Aquatic Resources, 2017. 119 p.

**Åbent hus på Lundby Dambrug.** / Dalsgaard, Anne Johanne Tang.

**Acute toxicity of peracetic acid to fish.** / Straus, David L.; Ledbetter, C.; Farmer, B.; Meinelt, Thomas; Pedersen, Lars-Flemming.

**A holistic approach to provide recommendations for potential updates of the EU organic aquaculture regulation.** / Lembo, G.; Abbink, W.; Blancheton, J.P.; Espmark, Å.M.; Honkanen, P.; Jokumsen, Alfred; Ljung, M.; Olesen, I.

**A novel role for pigment genes in the stress response in rainbow trout (Oncorhynchus mykiss).** / Khan, Uniza Wahid; Øverli, Øyvind; Hinkle, Patricia M; Pasha, Farhan Ahmad; Johansen, Ida Beintes; Bergel, Ingunn; Silva, Patricia I M; Kittilsen, Silje; Högglund, Erik; Omholt, Sig W; Våge, Dag Ing.

**A simple melatonin treatment protocol attenuates the response to acute stress in the sole Solea senegalensis.** / Gesto, Manuel; Álvarez-Otero, Rosa; Conde-Sieira, Marta; Otero-Rodriño, Cristina; Usandizaga, Sara; Soengas, José L.; Míguez, Jesús M.; López-Patiño, Marcos A.


**Brain serotonergic activation in growth-stunted farmed salmon: adaption versus pathology.** / Vindas, Marco A.; Johansen, Ida B.; Folkedal, Ole; Högglund, Erik; Gorissen, Marnix; Flik, Gert; Kristiansen, Tore S.; Øverli, Øyvind.

**Characterization of melatonin synthesis in the gastrointestinal tract of rainbow trout (Oncorhynchus mykiss): distribution, relation with serotonin, daily rhythms and photoperiod regulation.** / Muñoz-Pérez, José L.; López-Patiño, Marcos A.; Álvarez-Otero, Rosa; Gesto, Manuel; Soengas, José L.; Míguez, Jesús M.

**Cognitive appraisal of aversive stimulus differs between individuals with contrasting stress coping styles; evidences from selected rainbow trout (Oncorhynchus mykiss) strains.** / Moltesen, Maria; Vindas, Marco Antonio; Winberg, Svante; Ebbesson, Lars; Ruiz-Gomez, M. L.; Skov, Peter Vilhelm; Dabelsteen, Torben; Øverli, Øyvind; Högglund, Erik.

**Coping with a changing environment: The effects of early life stress.** / Vindas, Marco A.; Madaro, Angelico; Fraser, Thomas W.K.; Högglund, Erik; Olsen, Rolf E.; Øverli, Øyvind; Kristiansen, Tore S.
Publication: Research › Journal article – Annual report year: 2016

Dietary phytoimmunostimulant Persian hogweed (Heracleum persicum) has more remarkable impacts on skin mucus than on serum in common carp (Cyprinus carpio). / Hoseinifar, Seyed Hossein; Zoheiri, Fazel; Lazado, Carlo Cabacang. In: Fish and Shellfish Immunology, Vol. 59, 2016, p. 77-82.
Publication: Research - peer-review › Journal article – Annual report year: 2016

Discontinuation of anti-VEGF cancer therapy promotes metastasis through a liver revascularization mechanism. / Yang, Yunlong; Zhang, Yin; Iwamoto, Hideki; Hosaka, Kayoko; Seki, Takahiro; Andersson, Patrik; Lim, Sharon; Fischer, Carina; Nakamura, Masaki; Abe, Mitsuhiko; Skov, Peter Vilhelm; Feng, Chang; Chen, Xiaoyun; Lu, Yongtian; Nie, Guohui; Cao, Yihai. In: Nature Communications, Vol. 7, 12680, 2016.
Publication: Research - peer-review › Journal article – Annual report year: 2016

Disinfection with peracetic acid (PAA), an alternative against fish pathogens. / Meinelt, Thomas; Pedersen, Lars-Flemming; Straus, David L.; Liu, Dibo. 2016. Abstract from International Conference on Recirculating Aquaculture, Roanoke, VA, United States.
Publication: Research › Conference abstract for conference – Annual report year: 2016

Effects of acute and chronic stress on telencephalic neurochemistry and gene expression in rainbow trout (Oncorhynchus mykiss). / Moltesen, Maria; Laursen, Danielle Caroline; Thörnqvist, Per Ove; Åberg Andersson, Madelene; Winberg, Svante; Höglund, Erik. In: Journal of Experimental Biology, Vol. 219, No. 24, 2016, p. 3907-3914.
Publication: Research - peer-review › Journal article – Annual report year: 2017

Effects of dietary microplastic exposure on the organ toxicity of a mixture of chemical contaminants in zebrafish. / Rainieri, Sandra; Conlledo, Nadia; Larsen, Bodil Katrine; Granby, Kit; Barranco, Alejandro. 2016. Poster session presented at 52nd European Congress of the European Societies of Toxicology (EUROTOX2016), Seville, Spain.
Publication: Research › Poster – Annual report year: 2016

Publication: Research › Conference abstract in journal – Annual report year: 2016

Publication: Research - peer-review › Journal article – Annual report year: 2016

Effects of feed loading on microbial water quality in RAS. / Rojas-Tirado, Paula Andrea; Pedersen, Per Bovbjerg; Vadstein, O.; Pedersen, Lars-Flemming. 2016. Abstract from International Conference on Recirculating Aquaculture, Roanoke, VA, United States.
Publication: Research › Conference abstract for conference – Annual report year: 2016

Publication: Research › Conference abstract for conference – Annual report year: 2016

Publication: Research › Report – Annual report year: 2016
First feeding behavior: A potential tool to select robust trout for organic aquaculture. / Gesto, Manuel.
In: ICROFS news, 2016.
Publication: Research › Journal article – Annual report year: 2016

Growth performance, feed utilization and sensory characteristics of Nile Tilapia, Oreochromis niloticus fed diets with high inclusion levels of copra meal. / Obirikorang, Kwasi Adu; Amisah, Stephen; Skov, Peter Vilhelm.
Publication: Research - peer-review › Journal article – Annual report year: 2016

Host-derived probiotics Enterococcus casseliflavus improves resistance against Streptococcus iniae infection in rainbow trout (Oncorhynchus mykiss) via immunomodulation. / Safari, Reza; Adel, Milad; Lazado, Carlo Cabacang; Caipang, Christopher Marlowe A.; Dadare, Marya.
In: Fish and Shellfish Immunology, Vol. 52, 2016, p. 198-205.
Publication: Research - peer-review › Journal article – Annual report year: 2016

Impact of temperature on ammonium and nitrite removal rates in RAS moving bed biofilters. / Kinyage, John Peter Hewa; Pedersen, Lars-Flemming.
Publication: Research - peer-review › Journal article – Annual report year: 2016

Increasing levels of dietary crystalline methionine affect plasma methionine profiles, ammonia excretion, and the expression of genes related to the hepatic intermediary metabolism in rainbow trout (Oncorhynchus mykiss). / Rolland, Marine; Skov, Peter Vilhelm; Larsen, Bodil Katrine; Holm, Jørgen; Gómez-Requeni, Pedro; Dalsgaard, Anne Johanne Tang.
Publication: Research - peer-review › Journal article – Annual report year: 2016

Innate immune defenses exhibit circadian rhythmicity and differential temporal sensitivity to a bacterial endotoxin in Nile tilapia (Oreochromis niloticus). / Lazado, Carlo Cabacang; Skov, Peter Vilhelm; Pedersen, Per Bovbjerg.
In: Fish and Shellfish Immunology, Vol. 55, 2016, p. 613-622.
Publication: Research - peer-review › Journal article – Annual report year: 2016

Publication: Research › Conference abstract for conference – Annual report year: 2016

Linking water treatment practices and fish welfare. / Zubiaurre, Claire; Pedersen, Lars-Flemming.
Publication: Research › Journal article – Annual report year: 2016

Long-term tryptophan supplementation decreased the welfare and innate immune status of pikeperch juveniles. / Mandiki, Syaghalirwa N. M.; Redivo, Baptiste; Baekeiandt, Sebastien; Douxfils, Jessica; Lund, Ivar; Höglund, Erik; Kestemont, Patrick.
In: Fish and Shellfish Immunology, Vol. 53, 2016, p. 113-114.
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2016

Microbial water quality - tools and challenges. / Pedersen, Lars-Flemming; Pedersen, Per Bovbjerg. 2016. Abstract from International Conference on Recirculating Aquaculture, Roanoke, VA, United States.
Publication: Research › Conference abstract for conference – Annual report year: 2016

Modelling the effects of dietary methionine level and form on postprandial plasma essential amino acid profiles in rainbow trout (Oncorhynchus mykiss). / Rolland, Marine; Feekings, Jordan P.; Dalsgaard, Anne Johanne Tang; Holm, J.; Skov, Peter Vilhelm.
New approaches to improve the removal of dissolved organic matter and nitrogen in aquaculture. / von Ahnen, Mathis; Dalsgaard, Anne Johanne Tang (Main supervisor); Pedersen, Per Bovbjerg (Supervisor).
Publication: Research › Ph.D. thesis – Annual report year: 2016

Nye miljøvenlige desinfektsionsmidler til økologiske dambrug. / Pedersen, Lars-Flemming.
Publication: Research › Journal article – Annual report year: 2016

Optimizing nitrate removal in woodchip beds treating aquaculture effluents. / von Ahnen, Mathis; Pedersen, Per Bovbjerg; Hoffmann, Carl Christian; Dalsgaard, Anne Johanne Tang.
Publication: Research - peer-review › Journal article – Annual report year: 2016

Organic extractive aquaculture state of the art and challenges. / d’Orbcastel, R.; Abbink, W.; Jokumsen, Alfred; Przybyla, C.; Callier, M.; Delélée, S.; Blancheton, J.P.
Publication: Research › Conference abstract for conference – Annual report year: 2016

Peracetic acid is a suitable disinfectant for recirculating fish-microalgae integrated multi-trophic aquaculture systems. / Liu, Dibo; Behrens, Sascha; Pedersen, Lars-Flemming; Straus, David L.; Meinelt, Thomas.
Publication: Research - peer-review › Journal article – Annual report year: 2016

Probiotics as beneficial microbes in aquaculture: an update on their multiple modes of action: a review. / Zorriehzahra, Mohammad Jalil; Delshad, Somayeh Torabi; Adel, Milad; Tiwari, Ruchi; Karthik, K.; Dhama, Kuldeep; Lazado, Carlo Cabacang.
Publication: Research - peer-review › Journal article – Annual report year: 2016

Publication: Research › Report – Annual report year: 2016

Pulse vs. Continuous treatment: which is better for applying peracetic acid in RAS? / Liu, Dibo; Pedersen, Lars-Flemming; Lazado, Carlo Cabacang; Straus, David L.; Meinelt, Thomas.
Publication: Research › Conference abstract for conference – Annual report year: 2016

Start-up performance of a woodchip bioreactor operated end-of-pipe at a commercial fish farm—A case study. / von Ahnen, Mathis; Pedersen, Per Bovbjerg; Dalsgaard, Anne Johanne Tang.
Publication: Research - peer-review › Journal article – Annual report year: 2016

Stress-resilience differences related to emergence time in farmed rainbow trout. / Gesto, Manuel; Jokumsen, Alfred.
Publication: Research › Conference abstract for conference – Annual report year: 2016

Stress-resilience differences related to emergence time in rainbow trout. / Gesto, Manuel; Jokumsen, Alfred.
Publication: Research › Conference abstract for conference – Annual report year: 2016
Supplementing enzymes to extruded, soybean based diet improves breakdown of non-starch polysaccharides in rainbow trout (*Oncorhynchus mykiss*). / Dalsgaard, Anne Johanne Tang; Knudsen, Knud Erik Bach; Verlhac, Viviane; Ekmann, Kim Schøn; Pedersen, Per Bovbjerg.
Publication: Research - peer-review › Journal article – Annual report year: 2014

The relation between EU regulation on organic aquaculture and scientific knowledge on production systems. / Abbink, W.; Lembo, G.; Jokumsen, Alfred; Sæther, B.S.; Noble, C.; Nielsen, H.M.; Adámek, Z.
Publication: Research › Conference abstract for conference – Annual report year: 2016

Welfare, Health and Individuality in Farmed FISH: The WINFISH project. / Winberg, Svante; Bégout, Marie-Laure; Roque, Ana; Manfrin, Amedeo; Villarroel, Morris; Gesto, Manuel.
Publication: Research › Conference abstract for conference – Annual report year: 2016

Publication: Research › Report – Annual report year: 2015

Acute toxicity of peracetic acid (PAA) to fish. / Ledbetter, C. K.; Farmer, B. D.; Straus, David L.; Meinelt, Thomas; Pedersen, Lars-Flemming.
Publication: Research › Conference abstract for conference – Annual report year: 2016

Acute toxicity of peracetic acid to various fish species. / Straus, David L.; Ledbetter, C. K.; Farmer, B. D.; Meinelt, Thomas; Pedersen, Lars-Flemming.
Publication: Research › Conference abstract in proceedings – Annual report year: 2015

Anaerobic digestion of solid waste in RAS: Effect of reactor type on the biochemical acidogenic potential (BAP) and assessment of the biochemical methane potential (BMP) by a batch assay. / Suhr, Karin Isabel; Letelier-Gordo, Carlos Octavio; Lund, Ivar.
Publication: Research - peer-review › Journal article – Annual report year: 2015

An optimized and simplified method for analysing urea and ammonia in freshwater aquaculture systems. / Larsen, Bodil Katrine; Dalsgaard, Anne Johanne Tang; Pedersen, Per Bovbjerg.
Publication: Research - peer-review › Journal article – Annual report year: 2013

Biofilter effects on micro particle dynamics. / Fernandes, Paulo; Pedersen, Lars-Flemming; Pedersen, Per Bovbjerg.
Publication: Research › Conference abstract in proceedings – Annual report year: 2015

Boom for økologiske linemuslinger. / Jokumsen, Alfred.
01 January 2015.
Publication: Communication › Internet publication – Annual report year: 2016
Boom in production of organic line mussels in Denmark. / Jokumsen, Alfred.
In: Aquaculture Europe Magazine, No. March/April, 2015, p. 3.
Publication: Research › Journal article – Annual report year: 2015

Boosting the quality of organic trout fry. / Jokumsen, Alfred.
Publication: Research › Journal article – Annual report year: 2015

Challenges in sourcing of feed ingredients for organic production of carnivorous Fish. / Berge, G.M.; Jokumsen, Alfred; Lembo, G.; Spedicato, M.T.
Publication: Research › Conference abstract for conference – Annual report year: 2016

Characterising organic matter in recirculating aquaculture systems with fluorescence EEM spectroscopy. / Hambly, Adam; Arvin, Erik; Pedersen, Lars-Flemming; Pedersen, Per Bovbjerg; Seredynska-Sobecka, Bozena; Stedmon, Colin.
Publication: Research - peer-review › Journal article – Annual report year: 2015

Comparison of the toxicity of Wofasteril Peracetic Acid formulations E400, E250, and Lspez to Daphnia magna with emphasis on the effect of hydrogen peroxide. / Liu, Dibo; Straus, David L.; Pedersen, Lars-Flemming; Meinelt, Thomas.
Publication: Research - peer-review › Journal article – Annual report year: 2015

Consumer perception and scientific knowledge of stocking density in organic aquaculture. / Espmark, Å.M.; Honkanen, P.; Altintzoglou, T.; Saether, B.S.; Noble, C.; Abbink, W.; Jokumsen, Alfred; Lembo, G.; Spedicato, M.T.; Ljung, M.; Blancheton, J.P.; Olesen, I.
Publication: Research › Conference abstract for conference – Annual report year: 2016

Cortisol levels and expression of selected stress- and apoptosis-related genes in the embryos of Atlantic cod, Gadus morhua following short-term exposure to air. / Marlowe, Christopher; Caipang, A.; Fagutao, Ferdinand F.; Fatira, Effrosyni; Lazado, Carlo Cabacang; Pavlidis, Michail.
In: International Aquatic Research, Vol. 7, No. 1, 2015, p. 75-84.
Publication: Research - peer-review › Journal article – Annual report year: 2015

Costs and benefits of farming fish with selected behavioural and physiological traits. / Skov, Peter Vilhelm; de Jesus Gregersen, Joao; Jokumsen, Alfred.
Publication: Research › Conference abstract for conference – Annual report year: 2015

Danish focus on organic fry. / Jokumsen, Alfred.
Publication: Research › Internet publication – Annual report year: 2015

Danish organic mussel production boom. / Jokumsen, Alfred.
Publication: Research › Journal article – Annual report year: 2015

Degradation of urea, ammonia and nitrite in moving bed biofilters operated at different feed loadings. / von Ahnen, Mathis; Pedersen, Lars-Flemming; Pedersen, Per Bovbjerg; Dalsgaard, Anne Johanne Tang.
Publication: Research - peer-review › Journal article – Annual report year: 2015

Dietary methionine level affects growth performance and hepatic gene expression of GH-IGF system and protein turnover regulators in rainbow trout (Oncorhynchus mykiss) fed plant protein-based diets. / Rolland, Marine; Dalsgaard, Anne Johanne Tang; Holm, Jorgen; Gomez-Requeni, Pedro; Skov, Peter Vilhelm.
Digestibility and postprandial ammonia excretion in Nile tilapia (Oreochromis niloticus) fed diets containing different oilseed by-products. / Obirikorang, Kwasi Adu; Amisah, Stephen; Fialor, Simon Cudjoe; Skov, Peter Vilhelm.
Publication: Research - peer-review › Journal article – Annual report year: 2015

Discard overlevelse. / Madsen, Niels; Methling, Caroline; Eskelund, Marc; Nielsen, Anita Bruun; Skov, Peter Vilhelm.
Publication: Research › Report – Annual report year: 2015

DTU Aqua kigger på discard overlevelse. / Madsen, Niels; Methling, Caroline; Skov, Peter Vilhelm.
In: Fiskeritidende. 2015; 22(13), 01 January 2015. p. 17.
Publication: Communication › Newspaper article – Annual report year: 2015

Economic and environmental benefits from integrating Aquaculture and Agriculture (IAA) in Ghana - presentation of system setup. / Agbo, Nelson; Campion, Benjamin B.; Adeji-Boateng, Daniel; Djangma, Raymond; Skov, Peter; Birkved, Morten; Wangel, Arne.
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

Effect of plant proteins and crystalline amino acid supplementation on postprandial plasma amino acid profiles and metabolic response in rainbow trout (Oncorhynchus mykiss). / Rolland, Marine; Larsen, Bodil Katrine; Holm, Jørgen; Dalsgaard, Anne Johanne Tang; Skov, Peter Vilhelm.
Publication: Research - peer-review › Journal article – Annual report year: 2015

Effects of dietary inclusions of oilseed meals on physical characteristics and feed intake of diets for the Nile Tilapia, Oreochromis niloticus. / Obirikorang, Kwasi Adu; Amisah, Stephen; Fialor, Simon Cudjoe; Skov, Peter Vilhelm.
Publication: Research - peer-review › Journal article – Annual report year: 2015

End-of-pipe removal of nitrogen using woodchip beds. / von Ahnen, Mathis; Pedersen, Per Bovbjerg; Dalsgaard, Anne Johanne Tang.
Publication: Research › Conference abstract in proceedings – Annual report year: 2015

Estrés en peces: respuesta fisiológica y sus implicaciones en el cultivo de salmónidos. / Munoz, José Luis P.; Mardones, Oscar; Chacoff, Luis; Gesto, Manuel.
In: Salmonexpert, No. 5, 2015, p. 55-57.
Publication: Research › Journal article – Annual report year: 2016

Evaluation of locally-available agroindustrial byproducts as partial replacements to fishmeal in diets for Nile Tilapia (Oreochromis niloticus) production in Ghana. / Obirikorang, Kwasi Adu; Amisah, Stephen; Agbo, Nelson Winston; Adeji-Boateng, Daniel; Adeji, Nathaniel Gyasi; Skov, Peter Vilhelm.
Publication: Research - peer-review › Journal article – Annual report year: 2016
Fast-starting after a breath: air-breathing motions are kinematically similar to escape responses in the catfish Hoplosternum littorale. / Domenici, Paolo; Norin, Tommy; Bushnell, Peter G.; Johansen, Jacob L.; Skov, Peter Vilhelm; Svendsen, Morten B. S.; Steffensen, John Fleng; Abe, Augusto S.
Publication: Research - peer-review › Journal article – Annual report year: 2015

Feed composition affects sludge as a resource for denitrification. / Letelier-Gordo, Carlos Octavio; Larsen, Bodil Katrine; Dalsgaard, Anne Johanne Tang; Pedersen, Per Bovbjerg.
Publication: Research › Conference abstract in proceedings – Annual report year: 2015

Fish-friendly prophylaxis/disinfection in aquaculture: Low concentration of peracetic acid is stress-free to the carp (Cyprinus carpio) after repeated applications. / Liu, Dibo; Pedersen, Lars-Flemming; Straus, D.; Meinelt, Thomas.
2015. Abstract from 17th International Conference on Diseases of Fish and Shellfish, Las Palmas, Spain.
Publication: Research › Conference abstract for conference – Annual report year: 2016

Fiskedød på Sig Fiskeri 2011-2012 : Redegørelse til brug ved Sig Fisikrs retslige søgsmål mod Naturstyrelsen. / Wiberg-Larsen, Peter; Jokumsen, Alfred; Jensen, Poul Nordemann.
Publication: Research - peer-review › Report – Annual report year: 2015

Growth inhibition of Aeromonas salmonicida and Yersinia ruckeri by disinfectants containing peracetic acid. / Meinelt, Thomas; Phan, T.; Behrens, S.; Pedersen, Lars-Flemming; Wienke, A.; Liu, D.; Straus, David L.
Publication: Research - peer-review › Journal article – Annual report year: 2015

Humoral and mucosal defense molecules rhythmically oscillate during a light–dark cycle in permit, Trachinotus falcatus. / Lazado, Carlo Cabacang; Lund, Ivar; Pedersen, Per Bovbjerg; Nguyen, Huy Quang.
In: Fish and Shellfish Immunology, Vol. 47, No. 2, 2015, p. 902-912.
Publication: Research - peer-review › Journal article – Annual report year: 2015

Hydrogen peroxide decomposition kinetics in aquaculture water. / Arvin, Erik; Pedersen, Lars-Flemming.
Publication: Research - peer-review › Journal article – Annual report year: 2015

Improved growth performance in rainbow trout Oncorhynchus mykiss reared at high densities is linked to increased energy retention. / Laursen, Danielle Caroline; Larsen, Bodil Katrine; Skov, Peter Vilhelm; Höglund, Erik.
Publication: Research - peer-review › Journal article – Annual report year: 2015

Interactions between micro-particles and the rearing environment in recirculating aquaculture systems. / Fernandes, Paulo
Publication: Research › Ph.D. thesis – Annual report year: 2015

Interactions between micro-particles and the rearing environment in recirculation aquaculture systems. / Fernandes, Paulo; Pedersen, Lars-Flemming (Supervisor); Pedersen, Per Bovbjerg (Main supervisor).
Publication: Research › Ph.D. thesis – Annual report year: 2015

Is gill cortisol concentration a good acute stress indicator in fish? A study in rainbow trout and zebrafish. / Gesto, Manuel; Hernandez, Juan; Lopez-Patino, Marcos A.; Soengas, Jose L.; Miguez, Jesus M.
Is warm-up important in fish locomotion? Recovery from anaerobic metabolism during exercise in striped surfperch Embiotoca lateralis. / Svendsen, Jon Christian; Methling, Caroline; Tirsgaard, Bjørn; Cordero, Gerardo A.; Steffensen, John Fleng; Domenici, Paolo. 2015. Abstract from Society of Experimental Biology. Annual Main Meeting 2015, Prague, Czech Republic.

Live and let die: The rapid development of research to assess survival of discards in European fisheries. / Catchpole, Thomas; Marlen, Bob van; Uhmann, Sebastian S.; Theunynck, Ruben; Randall, Peter; Nilsson, Hans; Mehault, Sonia; Kopp, Dorothee; Wilms, Inger; van der Reijden, Karin; Molenaar, Pieke; Madsen, Niels; Methling, Caroline; Breen, Mike. 2015.


Nitrification performance and robustness of fixed and moving bed biofilters having identical carrier elements. / Pedersen, Lars-Flemming; Oosterveld, Remko; Pedersen, Per Bovbjerg.
Publication: Research - peer-review › Journal article – Annual report year: 2014

Nitrogen waste from rainbow trout (Oncorhynchus mykiss) with particular focus on urea. / Dalsgaard, Anne Johanne Tang; Larsen, Bodil Katrine; Pedersen, Per Bovbjerg.
Publication: Research - peer-review › Journal article – Annual report year: 2014

No evidence for a bioenergetic advantage from forced swimming in rainbow trout under a restrictive feeding regime. / Skov, Peter Vilhelm; Lund, Ivar; Margarido Pargana, Alexandre.
Publication: Research - peer-review › Journal article – Annual report year: 2015

Nutritional impacts on fish mucosa: immunostimulants, pre- and probiotics. / Caipang, Christopher Marlowe A.; Lazado, Carlo Cabacang.
Publication: Research - peer-review › Book chapter – Annual report year: 2015

Organic Trout Ova/Fry is already available from Danish Hatcheries. / Jokumsen, Alfred.
Publication: Research › Journal article – Annual report year: 2015

Organic Trout Ova/Fry is already available from Danish Hatcheries. / Jokumsen, Alfred.
Publication: Research › Journal article – Annual report year: 2015

Peracetic acid products expand sanitizing, organic water treatment options. / Pedersen, Lars-Flemming; Jokumsen, Alfred; Larsen, Villy J.; Henriksen, Niels Henrik.
Publication: Research › Journal article – Annual report year: 2015

Prospects of host-associated microorganisms in fish and penaeids as probiotics with immunomodulatory functions. / Lazado, Carlo Cabacang; Caipang, Christopher Marlowe A.; Estante, Erish G.
In: Fish and Shellfish Immunology, Vol. 45, No. 1, 2015, p. 2-12.
Publication: Research - peer-review › Journal article – Annual report year: 2015

Recirculation technology getting mature : Preface. / Dalsgaard, Anne Johanne Tang; Pedersen, Lars-Flemming; Pedersen, Per Bovbjerg.
Publication: Research - peer-review › Journal article – Annual report year: 2015

Reducing the dietary protein: Energy (P: E) ratio changes solubilization and fermentation of rainbow trout (Oncorhynchus mykiss) faeces. / Letelier-Gordo, Carlos Octavio; Dalsgaard, Anne Johanne Tang; Suhr, Karin Isabel; Pedersen, Per Bovbjerg; Ekman, Kim Schøn.
Publication: Research - peer-review › Journal article – Annual report year: 2015

Robust fiskeyngel en nødvendighed. / Jokumsen, Alfred.
Publication: Research › Internet publication – Annual report year: 2015
Dietary LC-PUFA deficiency early in ontogeny induces behavioural changes in pike perch (Sander lucioperca) larvae and fry. / Lund, Ivar; Höglund, Erik; Ebbesson, Lars O.E.; Skov, Peter Vilhelm.
Publication: Research - peer-review › Journal article – Annual report year: 2014

Effects of dietary methionine on feed utilization, plasma amino acid profiles and gene expression in rainbow trout (Oncorhynchus mykiss). / Rolland, Marine; Skov, Peter Vilhelm (Main supervisor); Dalsgaard, Anne Johanne Tang (Supervisor).
Publication: Research › Ph.D. thesis – Annual report year: 2014

Effects of dietary protein: energy ratios on hydrolysis and fermentation of faecal solids from rainbow trout (Oncorhynchus mykiss) for denitrification. / Letelier-Gordo, Carlos Octavio; Dalsgaard, Anne Johanne Tang; Suhr, Karin Isabel; Pedersen, Per Bovbjerg.
2014. Abstract from 10th International Conference on Recirculating Aquaculture, Roanoke, VA, United States.
Publication: Research › Conference abstract for conference – Annual report year: 2014

End-of-pipe single-sludge denitrification in pilot-scale recirculating aquaculture systems. / Suhr, Karin Isabel; Pedersen, Lars-Flemming; Nielsen, J.L.
Publication: Research - peer-review › Journal article – Annual report year: 2014

European Commission: Final report on aquaculture (part A). / Lembo, Giuseppe; Mente, Elena; Garcia, Alicia Estevez; Jokumsen, Alfred.
2014. 35 p.
Publication: Commissioned › Report – Annual report year: 2014

European Commission: Final report on aquaculture (part B). / Lembo, Giuseppe; Speiser, Bernhard; Casey, James; Garcia, Alicia Estevez; Jokumsen, Alfred; Papandroulakis, Nikos; Sorgeloos, P.
2014. 35 p.
Publication: Commissioned › Report – Annual report year: 2014

Feasibility case study in Belarus on the feasibility of Danish recirculation technology. / Nielsen, P.; Martti, N.; Roze, A.; Barulin, N.; Jokumsen, Alfred.
Publication: Research › Report – Annual report year: 2014

Feasibility study guidelines to implement innovative land-based farm concepts. / Nielsen, P.; Järvisalo, O.; Jokumsen, Alfred.
Publication: Research › Report – Annual report year: 2014

Feeding motivation as a personality trait in Nile tilapia (Oreochromis niloticus): role of serotonergic neurotransmission. / Silva, P.I.M.; Martins, C.I.M.; Höglund, Erik; Gjøen, H. M.; Øverli, Ø.
Publication: Research - peer-review › Journal article – Annual report year: 2014

Forced swimming in rainbow trout does not confer a bioenergetic advantage but reduces the fraction of protein oxidized to fuel. / Skov, Peter Vilhelm.
2014. Abstract from 11th International Congress on the Biology of Fish, Edinburgh, United Kingdom.
Publication: Research › Conference abstract for conference – Annual report year: 2014

Frustrative reward omission increases aggressive behaviour of inferior fighters. / Vindas, Marco A.; Johansen, Ida B.; Vela-Avitua, Sergio; Sletbak Narstrud, Karoline; Aalgaard, Marion; Braastad, Bjarme O; Höglund, Erik; Øverli, Øyvind. 
Future opportunities for bioeconomy in the West Nordic countries. / Smáradóttir, Sigrún Elsa; Magnúsdóttir, Lilja; Smárasson, Birgir Örn; Pórbárson, Gunnar; Johannessen, Birgit; Stefansdottir, Elisabet Kemp; Jacobsen, Birgitte; Laksá, Unn; Solberg, Svein Ø.; Vang, Janus; Gunnarsdóttir, Raghildur; Hreggvíðsson, Guðmundur Öli; Ingvarsson, Guðmundur Bjarki; Jórunnsdóttir, Hróinn Ólina; Kristófersson, Daði Már; Reykdal, Ólafur; Paulsen, Helge; Margeirsson, Sveinn. Matis, 2014. 118 p.


Microbial interference and potential control in culture of European eel (Anguilla anguilla) embryos and larvae. / Sørensen, Sune Riis; Skov, Peter Vilhelm; Lauesen, Peter; Tomkiewicz, Jonna; Bossier, P.; Schryver, D.S. In: Aquaculture, Vol. 426-427, 2014, p. 1-8.


Removal of urea, ammonium and nitrite in moving bed biofilters operated at different loadings. / von Ahnen, Mathis; Pedersen, Lars-Flemming; Pedersen, Per Bovbjerg; Dalsgaard, Anne Johanne Tang. 2014. Abstract from 10th International Conference on Recirculating Aquaculture, Roanoke, VA, United States.


Robustfish: New possibilities for growth and robustness in organic aquaculture. / Jokumsen, Alfred; Höglund, Erik; Lund, Ivar; Madsen, Lone; Pedersen, Lars-Flemming; Nielsen, Max; Nielsen, Thorkild; Larsen, Villy J.; Larsen, Erling. 2014. Poster session presented at Aquaculture Europe 14, Donostia-San Sebastian, Spain.


Temperature and oxygen as determining factors in post-stress recovery profiles of Norwegian lobster Nephrops norvegicus. / Behrens, Jane; Höglund, Erik; Larsen, Bodil Katrine; Skov, Peter Vilhelm. 2014. Poster session presented at Society of Experimental Biology. Annual Main Meeting, Manchester, United Kingdom. Publication: Research › Poster – Annual report year: 2014

The dinoflagellates Pfiesteria shumwayae and Luciella masanensis cause fish kills in recirculation fish farms in Denmark. / Moestrup, Øyvind; Hansen, Gert; Daugbjerg, Niels; Lundholm, Nina; Overton, Julia Lynne; Vestergård, Martin; Steenfeldt, Svend Jürgen; Calado, Antonio José; Hansen, Per Juel. In: Harmful Algae, Vol. 32, 2014, p. 33-39. Publication: Research - peer-review › Journal article – Annual report year: 2014

Water quality in an experimental Recirculating Aquaculture System as affected by biofilter mode of operation. / Fernandes, Paulo; Pedersen, Lars-Flemming; Pedersen, Per Bovbjerg. 2014. Abstract from 10th International Conference on Recirculating Aquaculture, Roanoke, VA, United States. Publication: Research › Conference abstract for conference – Annual report year: 2014


Background paper on aquaculture research. / Wenblad, Axel; Jokumsen, Alfred; Eskelinen, Unto ; Torrissen, Ole. Stockholm : MISTRA, 2013. 80 p. Publication: Research › Report – Annual report year: 2013

Biofilter nitrification performance in replicated RAS at different salinities. / Cavrois, Thomas; Pedersen, Lars-Flemming. 2013. Abstract from 2nd Workshop on Recirculating Aquaculture System, Aalborg, Denmark. Publication: Research › Conference abstract for conference – Annual report year: 2014

Biofilter-specific responses to intense water treatment in RAS. / Pedersen, Lars-Flemming; Oosterveld, Remko; Pedersen, Per Bovbjerg. 2013. Abstract from 2nd Workshop on Recirculating Aquaculture System, Aalborg, Denmark. Publication: Research › Conference abstract for conference – Annual report year: 2014


Coupling between stress coping style and time of emergence from spawning nests in salmonid fishes: Evidence from selected rainbow trout strains (Oncorhynchus mykiss). / Andersson, Madeleine Åberg; Khan, Uriza Wahid; Øverli, Øyvind; Gjøen, Hans Magnus; Höglund, Erik. In: Physiology & Behavior, Vol. 116-117, 2013, p. 30-34. Publication: Research - peer-review › Journal article – Annual report year: 2013


Drifts- og miljømæssig optimering af recirkulerede opdrætsanlæg. / Pedersen, Lars-Flemming; Suhr, Karin Isabel; Skov, Peter Vilhelm; Pedersen, Per Bovbjerg. Charlottenlund : Institut for Akvatiske Ressourcer, Danmarks Tekniske Universitet, 2013. 99 p. (DTU Aqua-rapport; No. 264-2013). Publication: Research › Report – Annual report year: 2013
Effect of water hardness on peracetic acid toxicity to zebrafish, *Danio rerio*, embryos. / Marchand, Pierre André; Strauss, David L.; Wienke, Andreas; Pedersen, Lars-Flemming; Meinelt, Thomas.
Publication: Research - peer-review › Journal article – Annual report year: 2012

Effects of dietary energy density and digestible protein:energy ratio on de novo lipid synthesis from dietary protein in gilthead sea bream (*Sparus aurata*) quantified with stable isotopes. / Ekmann, Kim Schøn; Dalsgaard, Anne Johanne Tang; Holm, Jørgen; Campbell, Patrick J.; Skov, Peter Vilhelm.
Publication: Research - peer-review › Journal article – Annual report year: 2013

Publication: Research › Ph.D. thesis – Annual report year: 2013

Publication: Research - peer-review › Journal article – Annual report year: 2012

End-of-pipe denitrification using RAS effluent waste streams: Effect of C/N-ratio and hydraulic retention time. / Suhr, Karin Isabel; Pedersen, Per Bovbjerg; Arvin, Erik.
Publication: Research - peer-review › Journal article – Annual report year: 2012

Farming different species in RAS in Nordic countries: Current status and future perspectives. / Dalsgaard, Anne Johanne Tang; Lund, Ivar; Thorarinsdottir, Ragnheidur; Drengstig, Asbjørn; Arvonen, Kaj; Pedersen, Per Bovbjerg.
Publication: Research - peer-review › Journal article – Annual report year: 2012

Feed intake as explanation for density related growth differences of common sole *Solea solea*. / Lund, Ivar; Steenfeldt, Svend Jørgen; Herrmann, Bent; Pedersen, Per Bovbjerg.
Publication: Research - peer-review › Journal article – Annual report year: 2013

Fisk viser selv, hvad de foretrækker. / Laursen, Danielle Caroline.
Publication: Communication › Journal article – Annual report year: 2014

Glycogenesis and de novo lipid synthesis from dietary starch in juvenile gilthead sea bream (*Sparus aurata*) quantified with stable isotopes. / Ekmann, Kim Schøn; Dalsgaard, Anne Johanne Tang; Holm, Jørgen; Campbell, Patrick J.; Skov, Peter Vilhelm.
Publication: Research - peer-review › Journal article – Annual report year: 2012

High oxygen consumption rates and scale loss indicate elevated aggressive behaviour at low rearing density, while elevated brain serotonergic activity suggest chronic stress at high rearing densities in farmed rainbow trout *Oncorhynchus mykiss*. / Laursen, Danielle Caroline; Silva, P.I.M.; Larsen, Bodil Katrine; Höglund, Erik.
Publication: Research - peer-review › Journal article – Annual report year: 2013

Hypercapnia adversely affects postprandial metabolism in the European eel (*Anguilla anguilla*). / Methling, C.; Pedersen, Per Bovbjerg; Steffensen, John Fleng; Skov, Peter Vilhelm.
Influence of inclusion level and form of dietary methionine in plant protein based diets on growth performances, ammonium excretion and postprandial methionine plasma levels in rainbow trout (Oncorhynchus mykiss). / Rolland, Marine; Larsen, Bodil Katrine; Holm, Jørgen; Dalsgaard, Anne Johanne Tang; Skov, Peter Vilhelm. 2013. Abstract from Aquaculture Europe 13, Trondheim, Norway.


Microbial interference and potential control in the production of European eel Anguilla anguilla larvae. / Schryver, Peter De; Sørensen, Sune Riis; Skov, Peter Vilhelm; Lauesen, Peter; Tomkiewicz, Jonna. 2013. Abstract from Aquaculture Europe 13, Trondheim, Norway.


Nitrogen waste load from juvenile rainbow trout (Oncorhynchus mykiss). / Dalsgaard, Anne Johanne Tang; Larsen, Bodil Katrine; Pedersen, Per Bovbjerg. 2013. Abstract from Workshop on Recirculating Aquaculture Systems , Aalborg, Denmark.


Organic plant ingredients in the diet of Rainbow trout (Oncorhynchus mykiss): Impact on fish muscle composition and oxidative stability. / Baron, Caroline P.; Svendsen, Gry Hougaard; Lund, Ivar; Jokumsen, Alfred; Nielsen, Henrik Hauch; Jacobsen, Charlotte.
Peracetic acid degradation in freshwater aquaculture systems and possible practical implications. / Pedersen, Lars-Flemming; Meinelt, Thomas; Straus, David L.
Publication: Research - peer-review › Journal article – Annual report year: 2012

Perfluorinated compounds in fish and carryover from fishfeed to farmed rainbow trout. / Granby, Kit; Larsen, Bodil Katrine; Cederberg, Tommy Licht.
2013. Abstract from 5th international workshop on Per- and polyfluorinated substances (PFAS), Helsingør/ Copenhagen, Denmark.
Publication: Research › Conference abstract for conference – Annual report year: 2013

Perspectives for sustainable development of Nordic aquaculture: The Paban-Report. / Rosten, Trond W.; Paulsen, Helge; Alänära, Anders; Eskelinen, Unto; Bergsson, Bjarki A.; Olafsen, Trude.
Publication: Research › Report – Annual report year: 2013

Physiological and behavioral responses to stress in cultivated fish – Effects of selective breeding and exposure to cortisol and tryptophan. / Basic, Dean; Krogdahl, Åshild (Main supervisor); Höglund, Erik (Supervisor).
2013.
Publication: Research › Ph.D. thesis – Annual report year: 2014

Preface: Recirculation technology: science meets practice. / Dalsgaard, Anne Johanne Tang; Pedersen, Lars-Flemming; Pedersen, Per Bovbjerg.
Publication: Research - peer-review › Journal article – Annual report year: 2012

Removal of nitrogen, phosphorous and organic matter in a constructed wetland treating effluents from a Model Trout Farm. / Dalsgaard, Anne Johanne Tang; von Ahnen, Mathis; Pedersen, Per Bovbjerg.
Publication: Research › Poster – Annual report year: 2013

Publication: Research - peer-review › Journal article – Annual report year: 2013

Publication: Research - peer-review › Journal article – Annual report year: 2013

The effects of temperature on specific dynamic action and ammonia excretion in pikeperch (Sander lucioperca). / Frisk, Michael; Steffensen, John Fleng; Skov, Peter Vilhelm.
Publication: Research - peer-review › Journal article – Annual report year: 2013

The relationship between emergence from spawning gravel and growth in farmed rainbow trout Oncorhynchus mykiss. / Åberg Andersson, Madelene; Laursen, Danielle Caroline; SILVA, P.I.M.; Höglund, Erik.
Publication: Research - peer-review › Journal article – Annual report year: 2013
Utilising spatial distribution in two-tank systems to investigate the level of aversiveness to crowding in farmed rainbow trout *Oncorhynchus mykiss*, / Laursen, Danielle Caroline; Andersson, Madelene Åberg; Silva, Patricia Isabel Mota; Petersson, Erik; Höglund, Erik.

Publication: Research - peer-review › Journal article – Annual report year: 2013

Publication: Research › Conference abstract for conference – Annual report year: 2015

Welfare aspects of stocking density in farmed rainbow trout, assessed by behavioural and physiological methods, / Laursen, Danielle Caroline; Höglund, Erik (Main supervisor); Skov, Peter Vilhelm (Supervisor).
Publication: Research › Ph.D. thesis – Annual report year: 2013

AquaResp® — free open-source software for measuring oxygen consumption of resting aquatic animals, / Svendsen, Morten Bo S.; Skov, Peter Vilhelm; Bushnell, Peter G.; Steffensen, John F.
2012. Poster session presented at Society for Experimental Biology Annual Main Meeting, Salzburg, Austria.
Publication: Research › Poster – Annual report year: 2012

Brain activation and appraisal of hypoxia in two strains of rainbow trout (*Oncorhynchus mykiss*) displaying divergent stress coping styles, / Moltesen, Maria; Winberg, Svante; Ebbesson, Lars; Höglund, Erik.
Publication: Research › Poster – Annual report year: 2012

Dietary supplementation of essential fatty acids in larval pikeperch (*Sander lucioperca*); short and long term effects on stress tolerance and metabolic physiology, / Lund, Ivar; Skov, Peter Vilhelm; Hansen, Benni Winding.
Publication: Research - peer-review › Journal article – Annual report year: 2012

Effects of exogenous enzymes on apparent nutrient digestibility in rainbow trout (*Oncorhynchus mykiss*) fed diets with high inclusion of plant-based protein, / Dalsgaard, Anne Johanne Tang; Verlhac, V.; Hjermitslev, N.H.; Ekmann, Kim Schen; Fischer, M.; Klausen, M.; Pedersen, Per Bovbjerg.
Publication: Research - peer-review › Journal article – Annual report year: 2011

Effects of feed loading on nitrogen balances and fish performance in replicated recirculating aquaculture systems, / Pedersen, Lars-Flemming; Suhr, Karin Isabel; Dalsgaard, Anne Johanne Tang; Pedersen, Per Bovbjerg; Arvin, Erik.
Publication: Research - peer-review › Journal article – Annual report year: 2012

Effects of plant proteins on postprandial, free plasma amino acid concentrations in rainbow trout (*Oncorhynchus mykiss*), / Larsen, Bodil Katrine; Dalsgaard, Anne Johanne Tang; Pedersen, Per Bovbjerg.
Publication: Research - peer-review › Journal article – Annual report year: 2011

Effects of stocking density and sustained aerobic exercise on growth, energetics and welfare of rainbow trout, / McKenzie, David J.; Höglund, Erik; Dupont-Prinet, A.; Larsen, Bodil Katrine; Skov, Peter Vilhelm; Pedersen, Per Bovbjerg; Jokumsen, Alfred.
Fast-starting for a breath: Air breathing in Hoplosternum littorale. / Domenici, Paolo; Norin, Tommy; Bushnell, Peter G.; Johansen, Jacob; Skov, Peter Vilhelm; Steffensen, John F.; Svendsen, Morten Bo S.; Abe, Augusto. 2012. Abstract from Society for Experimental Biology Annual Main Meeting, Salzburg, Austria.

Global certificering. Implementering af global certificering (Aquaculture Stewardship Council – ASC) for regnbueørred samt vurdering af bæredygtig certificering af andre arter. / Plesner, Lisbeth Jess; Thomsen, Brian; Mathiesen, Cristoph; Jokumsen, Alfred; Svendsen, Lars M. 2012.

Hydrogen peroxide application to a, commercial recirculating aquaculture system. / Pedersen, Lars-Flemming; Pedersen, Per Bovbjerg.

Impact of water boundary layer diffusion on the nitrification rate of submerged biofilter elements from a recirculating aquaculture system. / Prehn, Jonas; Waul, Christopher Kevin; Pedersen, Lars-Flemming; Arvin, Erik.

Influence of protein source on amino acid uptake patterns and protein utilization in rainbow trout Oncorhynchus mykiss. / Rolland, Marine; Holm, Jørgen; Dalsgaard, Anne Johanne Tang; Larsen, Bodil Katrine; Skov, Peter Vilhelm. 2012. Abstract from AQUA 2012: Global Aquaculture securing our future, Prague, Czech Republic.

Linking personality to larval energy reserves in rainbow trout (Oncorhynchus mykiss). / Andersson, Madelene Åberg; Höglund, Erik.

Low-dose hydrogen peroxide application in closed recirculating aquaculture systems. / Pedersen, Lars-Flemming; Good, C.; Pedersen, Per Bovbjerg.

Lower brain levels of serotonin in rainbow trout larvae with a propensity for social dominance. / Höglund, Erik; Åberg Andersson, Madelene. 2012. Poster session presented at Society for Neuroscience, New Orleans, United States.

Motion gav regnbueørreden fordele - men også ulemper. / Rasmussen, Richard Skøtt.


Når fysikken styrer de biologiske processer - med nitrifikation i biofiltr som eksempel. / Arvin, Erik; Lopato, Laure Rose; Pedersen, Lars-Flemming; Prehn, Jonas; Binning, Philip John.
Neural plasticity is affected by stress and heritable variation in stress coping style. / Johansen, I.B.; Sørensen, C.; Sandvik, G.K.; Nilsson, G.E.; Höglund, Erik; Bakken, M.; Øverli, O.
Publication: Research - peer-review › Journal article – Annual report year: 2012

Publication: Research › Poster – Annual report year: 2012

Optimering af driften på klassiske dambrug. / Buchmann, Kurt; Dalsgaard, Inger; Dalsgaard, Anne Johanne Tang; Pedersen, Per Bovbjerg; Svendsen, Lars Møeslund; Henriksen, Niels Henrik; Michelsen, Kaare; Thomsen, Brian. Dansk Akvakultur, 2012. 12 p. (Faglig rapport fra Dansk Akvakultur; No. 2012-5).
Publication: Research › Report – Annual report year: 2013

Publication: Research › Conference abstract for conference – Annual report year: 2013

Reproduction of European Eel in Aquaculture (REEL) : Consolidation and new production methods. / Tomkiewicz, Jonna; Tybjerg, Lars; Stettrup, Josianne; McEvoys, Fintan; Ravn, Peter ; Sørensen, Sune Riis; Lausesen, Peter ; Graver, Christian; Munk, Peter; Holst, Lars K.; Vestbø, Bjarne ; Svalastoga, Eivin; Jacobsen, Charlotte; Holst, Bjørn; Steenfeldt, Svend Jørgen; Buelund, Lene; Homum, Thomas; Kofoed, Tanja. Charlottenlund : DTU Aqua. Institut for Akvatiske Ressourcer, 2012. 47 p. (DTU Aqua-rapport; No. 249-2012).
Publication: Research › Report – Annual report year: 2012

Study tests disinfectant alternatives to formalin. / Pedersen, Lars-Flemming; Henriksen, Niels Henrik.
Publication: Communication › Journal article – Annual report year: 2012

Test and implementation of easy degradable aquaculture sanitizers. / Pedersen, Lars-Flemming; Henriksen, N.H.; Pedersen, Per Bovbjerg. 2012. Abstract from 9th International Conference on Recirculating Aquaculture, Roanoke, VA, United States.
Publication: Research › Conference abstract for conference – Annual report year: 2012

The effect of protein and lipid source in organic feed for (organic) rainbow trout on sensory quality. / Green-Petersen, Ditte ; Hyldig, Grethe; Jacobsen, Charlotte; Baron, Caroline P.; Jokumsen, Alfred; Lund, Ivar; Nielsen, Henrik Hauch. 2012. Poster session presented at EuroSense 2012 Fifth European Conference on Sensory and Consumer research, Berne, Switzerland.
Publication: Research › Poster – Annual report year: 2012

The effects of stocking density and low level sustained exercise on the energetic efficiency of rainbow trout (Oncorhynchus mykiss) reared at 19°C. / Larsen, Bodil Katrine; Skov, Peter Vilhelm; McKenzie, David J.; Jokumsen, Alfred.
Publication: Research - peer-review › Journal article – Annual report year: 2011

Publication: Research - peer-review › Journal article – Annual report year: 2011

The temperature challenges on cardiac performance in winter-quiescent and migration-stage eels Anguilla anguilla. / Methling, C.; Steffensen, J. F.; Skov, Peter Vilhelm.
Time-dependent changes in protein expression in rainbow trout muscle following hypoxia. / Wulff, Tune; Jokumsen, Alfred; Højrup, Peter; Jessen, Flemming.
Publication: Research - peer-review › Journal article – Annual report year: 2012

Trout farming in Denmark: recent trends and future prospects. / Dalsgaard, Anne Johanne Tang; Pedersen, Per Bovbjerg.
Publication: Communication › Journal article – Annual report year: 2012

An estrogen-responsive plasma protein expression signature in Atlantic cod (Gadus morhua) revealed by SELDI-TOF MS. / Nielsen, Mari Mæland; Meyer, Sonnich; Larsen, Bodil Katrine; Andersen, Odd Ketil; Hjelle, Anne.
Publication: Research - peer-review › Journal article – Annual report year: 2011

Application and analytical verification of peracetic acid use in different types of freshwater aquaculture systems. / Pedersen, Lars-Flemming.
Publication: Research › Conference abstract in proceedings – Annual report year: 2011

Behavioural responses to hypoxia provide a non-invasive method for distinguishing between stress coping styles in fish. / Laursen, Danielle Caroline; Olsén, Hanna L.; Ruiz-Gomez, Maria de Lourdes; Winberg, Svante; Högland, Erik.
Publication: Research - peer-review › Journal article – Annual report year: 2011

Changes in growth, feed utilisation and muscle fibre size distribution when rearing rainbow trout in steady or varying water currents. / Rasmussen, Richard Skøtt.
2011. Poster session presented at FitFish Workshop on the Swimming Physiology of Fish, Barcelona, Spain.
Publication: Research › Poster – Annual report year: 2011

Consistent boldness behaviour in early emerging fry of domesticated Atlantic salmon (Salmo salar): Decoupling of behavioural and physiological traits of the proactive stress coping style. / Vaz-Serrano, J.; Ruiz-Gomez, M. L.; Gjøen, H. M.; Skov, Peter Vilhelm; Huntingford, F. A.; Øverli, Ø.; Högland, Erik.
Publication: Research - peer-review › Journal article – Annual report year: 2011

Controlling effluents from RAS – waste management strategies important for commercial RAS sustainability. / Pedersen, Per Bovbjerg; Suhr, Karin Isabel; Pedersen, Lars-Flemming.
Publication: Research › Conference abstract in proceedings – Annual report year: 2011

Dambrugsteknologi – Formalinsubstitution : Undersøgelse af vandbehandlingspraksis med brintoverilte og perediksesreproduktor på forskellige typer dambrug. / Pedersen, Lars-Flemming; Henriksen, Niels Henrik.
Publication: Research » Report – Annual report year: 2011

Dambrugsteknologi – reduktion af kvælstofudledning fra Modeldambrug: Test af denitrifikationsfilter. / Suhr, Karin Isabel; Pedersen, Per Bovbjerg.
Effects of maternal stress coping style on offspring characteristics in rainbow trout (Oncorhynchus mykiss). / Åberg Andersson, Madelene; Silva, P.I.M.; Steffensen, J.F.; Höglund, Erik.

Effects of rearing density and water current on the respiratory physiology and haematology in rainbow trout, Oncorhynchus mykiss at high temperature. / Skov, Peter Vilhelm; Larsen, Bodil Katrine; Frisk, Michael; Jokumsen, Alfred.

Effects of substituting lipid with starch as metabolic fuel on performance and nutrient utilization in gilthead sea bream (Sparus aurata) juveniles. / Ekmann, Kim Schøn; Dalsgaard, Anne Johanne Tang; Holm, Jørgen; Campbell, Patrick James; Skov, Peter Vilhelm.

Entwicklungen in der dänischen Fischzucht: nachhaltige Umweltaufgaben zahlen sich aus. / Pedersen, Lars-Flemming.

Entwicklungstendenzen in der dänischen Aquakultur-neue Anregungen für eine umweltneutrale Produktionssteigerung. / Pedersen, Lars-Flemming.

Feed and organic matter. / Dalsgaard, Anne Johanne Tang.

Forekomst og betydning af gasovermængning : Fra: Dambrugsteknologi. Samlerapport. / Skov, Peter Vilhelm; Henriksen, Niels Henrik; Andreassen, Anders; Clausen, Thomas.
Dansk Akvakultur, 2011.

Formalin substitution; Undersøgelse af vandbehandlingspraksis med brintoverilte og pereddikesyreprodukter på forskellige typer dambrug : Fra: Dambrugsteknologi. Samlerapport. / Pedersen, Lars-Flemming; Henriksen, Niels Henrik.
Dansk Akvakultur, 2011.

Influence of feed ingredients on water quality parameters in RAS. / Pedersen, Per Bovbjerg; Pedersen, Lars-Flemming; Suhr, Karin Isabel; Dalsgaard, Anne Johanne Tang; Arvin, Erik.
Optimering af driften på etablerede modeldambrug og fortsat videreudvikling af recirkuleringssteknologien: Rapport for arbejdspakke 3b: Undersøge graden af gasovermætning samt evaluere betydningen. / Skov, Peter Vilhelm; Henriksen, Niels Henrik; Andreasen, Anders; Clausen, Thomas.
Dansk Akvakultur, 2011. 15 p. (Faglige rapporter).
Publication: Research › Report – Annual report year: 2011

Pop up satellite tags impair swimming performance and energetics of the European eel (Anguilla anguilla). / Methling, Caroline; Tudorache, Christian; Skov, Peter Vilhelm; Steffensen, John Fleng.
Publication: Research - peer-review › Journal article – Annual report year: 2011

Renseeffektivitet på Model 1 dambrug: Rapportering af WP4 under dambrugsteknologiprojektet. / Svendsen, Lars M.; Larsen, Søren E.; Dalsgaard, Anne Johanne Tang; Plesner, Lisbeth Jess; Michelsen, Kaare.
Publication: Research › Report – Annual report year: 2011

Replacement of fish meal with a matrix of organic plant proteins in organic trout (Oncorhynchus mykiss) feed, and the effects on nutrient utilization and fish performance. / Lund, Ivar; Dalsgaard, Anne Johanne Tang; Rasmussen, Hanne Tolderlund; Holm, Jørgen; Jokumsen, Alfred.
Publication: Research - peer-review › Journal article – Annual report year: 2011

Publication: Research - peer-review › Journal article – Annual report year: 2010

Solid and suspended/dissolved waste (N, P, O) from rainbow trout (Oncorynchus mykiss). / Dalsgaard, Anne Johanne Tang; Pedersen, Per Bovbjerg.
Publication: Research - peer-review › Journal article – Annual report year: 2011

Test af denitrifikationsfiltre på Modeldambrug: Fra: Dambrugsteknologi. Samlerapport. / Suhr, Karin Isabel; Pedersen, Per Bovbjerg.
Dansk Akvakultur, 2011. 9 p.
Publication: Research › Report – Annual report year: 2011

The effect of protein and lipid source in organic feed for (organic) rainbow trout on sensory quality. / Hyldig, Grethe; Green-Petersen, Ditte; Jacobsen, Charlotte; Baron, Caroline Pascale; Jokumsen, Alfred; Lund, Ivar; Nielsen, Henrik Hauch.
Publication: Research › Conference abstract in proceedings – Annual report year: 2011

The effects of dietary long-chain essential fatty acids on growth and stress tolerance in pikeperch larvae (Sander lucioperca L.). / Lund, Ivar; Steenfeldt, Svend Jørgen.
Publication: Research - peer-review › Journal article – Annual report year: 2009

The two-choice system is a non-invasive method for identifying socially dominant individuals from a group of fish. / Laursen, Danielle Caroline; Åberg Andersson, Madeleine; Silva, P.I.M.; Höglund, Erik.
Publication: Research › Poster – Annual report year: 2011

Towards environmentally sustainable aquaculture: Exploiting fermentation products from anaerobic sludge digestion for fueling nitrate removal in RAS. / Suhr, Karin Isabel; Pedersen, Per Bovbjerg.
Differences in growth and behaviour between early and late swim-up salmon. / Ruiz-Gomez, M.L.; Vaz-Serrano, J.; Laursen, Danielle Caroline; Åberg, Madeleine; Gjøen, H.M.; Höglund, Erik. 


Effect of supplemental enzymes on apparent nutrient digestibility in rainbow trout (Oncorhynchus mykiss) fed plant-based diets. / Dalsgaard, Anne Johanne Tang; Hjermitslev, Niels Harthøj; Ekmann, Kim Schan; Verlhac, Viviane; Pedersen, Per Bovbjerg; Klausen, Mikkel. 


Embryonic suckling and maternal specializations in the live-bearing teleost Zoarces viviparus. / Skov, Peter Vilhelm; Steffensen, John Fleng; Sørensen, Thomas Flarup; Qvortrup, Klaus. 


European eel and aquaculture. / Kirkegaard, Eskild (Editor); Aarestrup, Kim; Pedersen, Michael Ingemann; Jepsen, Niels; Kirkegaard, Eskild; Koed, Anders; Larsen, Erling; Lund, Ivar; Tomkiewicz, Jonna. 


Farming of freshwater rainbow trout in Denmark. / Jokumsen, Alfred; Svendsen, Lars M. 


Hestebønne-, ærte- og raps-protein samt hørfrøolie i foder til økologiske fisk. / Jokumsen, Alfred. 


Horse bean-, pea- and rape protein and flax seed oil in feed for organic trout. / Jokumsen, Alfred. 


Hydrogen peroxide: Disinfectant for recirculating aquaculture systems. / Pedersen, Lars-Flemming; Pedersen, Per Bovbjerg. 


Influence of dietary arachidonic acid combined with light intensity and tank colour on pigmentation of common sole (Solea solea L.) larvae. / Lund, Ivar; Steenfeldt, Svend Jørgen; Hansen, B.W. 


Intraspecific growth variation among rainbow trout and brook trout: Impact of initial body weight and feeding level. / Rasmussen, Richard Skott; Ostenfeld, T. 


Publication: Research - peer-review › Journal article – Annual report year: 2010

Publication: Research › Journal article – Annual report year: 2010

Publication: Research › Conference abstract in proceedings – Annual report year: 2011

Publication: Research › Conference abstract in proceedings – Annual report year: 2010

Publication: Research › Journal article – Annual report year: 2010

Publication: Research › Conference abstract in proceedings – Annual report year: 2010

Publication: Research › Journal article – Annual report year: 2010

Publication: Research › Conference abstract in proceedings – Annual report year: 2010

Publication: Research › Journal article – Annual report year: 2010

Publication: Research › Conference abstract in proceedings – Annual report year: 2010
Kvælstoffjernelse på modeldambrug ved hjælp af denitrifikationsfiltre. / Suhr, Karin Isabel; Pedersen, Per Bovbjerg.
Publication: Research › Journal article – Annual report year: 2010

Long term/low dose formalin exposure to small-scale recirculation aquaculture systems. / Pedersen, Lars-Flemming; Pedersen, Per Bovbjerg; Nielsen, Jeppe L.; Nielsen, Per H.
Publication: Research - peer-review › Journal article – Annual report year: 2010

Nitrification in moving bed and fixed bed biofilters treating effluent water from a large commercial outdoor rainbow trout RAS. / Suhr, Karin; Pedersen, Per Bovbjerg.
Publication: Research - peer-review › Journal article – Annual report year: 2010

Opdræt af regnbueørred i Danmark. / Jokumsen, Alfred; Svendsen, Lars M.
Publication: Research › Report – Annual report year: 2010

Organic vegetable proteins and oil in feed for organic rainbow trout (Oncorhynchus mykiss). / Lund, Ivar; Dalsgaard, Anne Johanne Tang; Jokumsen, Alfred; Larsen, Bodil Katrine.
2010. Poster session presented at 14th International Symposium on Fish Nutrition & Feeding, Qingdao, China.
Publication: Research › Poster – Annual report year: 2010

Relation between stress coping style, larval development and time to emergence in rainbow trout (Oncorhynchus mykiss). / Åberg, Madelene; Khan, U. W.; Øverli, Ø.; Gjøen, H. M.; Steffensen, John Fleng; Höglund, Erik.
2010. Poster session presented at 9th International Congress on Biology of Fish, Barcelona, Spain.
Publication: Research › Poster – Annual report year: 2010

Stress coping styles ion farmed tilapia (Oreochromis niloticus): Consistent individual behavioral differences and response to conspecific alarm cues. / Silva, P.I.M.; Martins, C.I.M.; Höglund, Erik; Øverli, Ø.
Publication: Research › Poster – Annual report year: 2010

Stress responsiveness, energetics and life history traits in salmonid fish. / Höglund, Erik (Invited author).
Publication: Research › Conference abstract in proceedings – Annual report year: 2011

The effects of grading on the growth and survival of juvenile Dover sole (Solea solea L.). / Overton, Julia Lynne; Steenfeldt, Svend Jørgen; Pedersen, Per Bovbjerg.
Publication: Research - peer-review › Journal article – Annual report year: 2010

Undersøgelse af miljøvenlige dambrugshjælpestoffer til erstatning for formalin. / Pedersen, Lars-Flemming.
Publication: Research › Report – Annual report year: 2010

Use of flubendazole as a therapeutic agent against rotifers (Brachionus plicatilis) in intensive cultures of the harpacticoid copepod Tisbe holothuriae. / Steenfeldt, Svend Jørgen; Nielsen, Johan W.
Publication: Research - peer-review › Journal article – Annual report year: 2010

Videreudvikling af intensivt opdræt af sandart i Danmark. / Steenfeldt, Svend Jørgen; Vestergaard, Martin; Overton, Julia Lynne; Lund, Ivar; Paulsen, Helge; Larsen, Villy J.; Henriksen, Niels Henrik.
Publication: Research › Report – Annual report year: 2010


Effect of supplemented fungal phytase on performance and phosphorus availability by phosphorus-depleted juvenile rainbow trout (Oncorhynchus mykiss), and on the magnitude and composition of phosphorus waste output. / Dalsgaard, Anne Johanne Tang; Schøn Ekmann, K.; Pedersen, Per Bovbjerg; Verlhac, V. In: Aquaculture, Vol. 286, No. 1-2, 2009, p. 105-112.


Fate of water borne therapeutic agents and associated effects on nitrifying biofilters in recirculating aquaculture systems. / Pedersen, Lars-Flemming. Charlottenlund, Denmark : Technical University of Denmark (DTU), 2009. 73 p.

Field-studies of the fate of formaldehyde applied in three different types of Danish freshwater fish farms. / Sortkjær, Ole; Pedersen, Lars-Flemming.
Hydrogen peroxide application in recirculating aquaculture systems - results and perspectives. / Pedersen, Lars-Flemming; Pedersen, Per Bovbjerg.
Publication: Research › Conference abstract in proceedings – Annual report year: 2009

Influence of dietary arachidonic acid combined with light intensity and tank background colour on pigmentation of common sole (Solea solea). / Lund, Ivar.
2009. Poster session presented at 5th Fish and Shellfish Larviculture Symposium, Ghent, Belgium.
Publication: Research › Poster – Annual report year: 2009

Influence of hatching time on time of first feeding and subsequent growth and cannibalism in pikeperch (Sander lucioperca). / Steenfeldt, Svend Jørgen; Lund, Ivar.
2009. Poster session presented at 5th Fish and Shellfish Larviculture Symposium, Ghent, Belgium.
Publication: Research › Poster – Annual report year: 2009

Larval developmental rate, metabolic rate and future growth performance in Atlantic salmon. / Serrano, Jonathan Vaz; Åberg, Madeleine; Gjøen, Hans Magnus; Steffensen, John Fleng; Höglund, Erik.
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2009

Lejstrup Dambrug (øst) - et modeldambrug under forsøgsordningen : Statusrapport for 2. måleår af moniteringsprojektet med væsentlige resultater fra første måleår. / Svendsen, Lars M.; Sortkjaer, Ole; Ovesen, Niels Bering; Skriver, Jens; Larsen, Søren Erik; Pedersen, Per Bovbjerg; Rasmussen, Richard Skott; Dalsgaard, Anne Johanne Tang.
Publication: Research › Report – Annual report year: 2009

Multivariate data analysis of 2 DE data : Time dependent changes in protein expression in rainbow trout following hypoxia. / Wulff, Tune; Jokumsen, Alfred; Jessen, Flemming.
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2009

New methods in trout farming to reduce the farm effluents - Case study in Denmark. / Jokumsen, Alfred; Pedersen, Per Bovbjerg; Dalsgaard, Anne Johanne Tang; Lund, Ivar; Paulsen, Helge; Rasmussen, Richard Skott; Hyldig, Grethe.
Publication: Research › peer-review › Book chapter – Annual report year: 2009

Nørå Dambrug - et modeldambrug under forsøgsordningen. Statusrapport for 2. måleår af moniteringsprojektet med væsentlige resultater fra første måleår. / Svendsen, Lars M.; Sortkjaer, Ole; Ovesen, Niels Bering; Skriver, Jens; Larsen, Søren Erik; Pedersen, Per Bovbjerg; Rasmussen, Richard Skott; Dalsgaard, Anne Johanne Tang.
Publication: Research › Report – Annual report year: 2009

Peracetic acid degradation and effects on nitrification in recirculating aquaculture systems. / Pedersen, Lars-Flemming; Pedersen, Per Bovbjerg; Nielsen, Jeppe L.; Nielsen, Per .H.
Publication: Research - peer-review › Journal article – Annual report year: 2009

Peracetic acid degradation and effects on nitrification in submerged fixed bed biofilters from recirculating aquaculture systems. / Pedersen, Lars-Flemming; Pedersen, Per Bovbjerg; Nielsen, J.L.; Nielsen, P.H.
Publication: Research › Conference abstract in proceedings – Annual report year: 2009
Peredikesyre - et voldsomt effektivt hjælpestof. / Pedersen, Lars-Flemming.
Publication: Research › Journal article – Annual report year: 2009

Produktion af torskelarver til udsætning i den østlige Østersø – RESTOCK. / Støttrup, Josianne; Overton, Julia Lynne; Sørensen, Sune Rils; Rajbek, Maria; Tomkiewicz, Jonna; Paulsen, Helge; Dalsgaard, Inger; Bruun, Morten Sichlau; Buchmann, Kurt; Peck, M.; Janke, N.
Program og abstracts. 2009.
Publication: Research › Conference abstract in proceedings – Annual report year: 2009

Proteinafgrøder til økologiske fisk. / Jokumsen, Alfred.
In: LandbrugsAvisen. 2009 ; (6), 01 January 2009. p. 16.
Publication: Communication › Newspaper article – Annual report year: 2009

Proteinafgrøder til økologiske regnbueørreder (Oncorhynchus mykiss). / Jokumsen, Alfred; Lund, Ivar; Dalsgaard, Anne Johanne Tang; Dalsgaard, Inger; Nielsen, Henrik Hauch; Rasmussen, Hanne Tolderlund; Larsen, Villy Juul; Jessen, Peter Bell; Holm, Jørgen.
Publication: Research › Poster – Annual report year: 2009

Recovery by the Norway lobster Nephrops norvegicus (L.) from the physiological stresses of trawling: Influence of season and live-storage position. / Lund, H. S.; Wang, T.; Chang, E. S.; Pedersen, Lars-Flemming; Taylor, E. W.; Pedersen, Per Bovbjerg; McKenzie, David.
Publication: Research - peer-review › Journal article – Annual report year: 2009

Rens Dambrug - et modelladbrug under forsøgsordenningen. Statusrapport for 2.måleår af moniteringsprojektet med væsentlige resultater fra første måleår. / Svendsen, Lars M.; Sortkjær, Ole; Ovesen, Niels Bering; Skriver, Jens; Larsen, Søren Erik; Pedersen, Per Bovbjerg; Rasmussen, Richard Skætt; Dalsgaard, Anne Johanne Tang.
Publication: Research › Report – Annual report year: 2009

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, Ivar; Steenfeldt, Svend Jørgen; Suhr, Karin; Hansen, B.W.
Publication: Research - peer-review › Journal article – Annual report year: 2008

Behavioral plasticity in rainbow trout ( Oncorhynchus mykiss ) with divergent coping styles: When doves become hawks. / Ruiz-Gomez, M.de Lourdes; Kittilsen, S.; Höglund, Erik; Huntingford, F.A.; Sørensen, C.; Pottinger, T.G.; Bakken, M.; Winberg, S.; Korzan, W.J.; Øverli, Ø.
Publication: Research - peer-review › Journal article – Annual report year: 2008

Borholm Salmon hatchery: control of out-of-season spawning of Eurasian perch. / Overton, Julia Lynne; Paulsen, Helge; Kucharczyk, D.; Szczeprowski, A.
Publication: Research › Article in proceedings – Annual report year: 2008

Publication: Research › Journal article – Annual report year: 2008
Effects of antalarmin, a CRF receptor 1 antagonist, on fright reaction and endocrine stress response in crucian carp (Carassius carassius). / Lastein, Stine; Höglund, Erik; Overli, Oyvind; Doving, Kjell B.
In: Journal of Comparative Physiology A. Sensory, neural, and behavioral physiology, Vol. 194, No. 12, 2008, p. 1007-1012.
Publication: Research - peer-review › Journal article – Annual report year: 2008

Ejstrupholm Dambrug - et modeldambrug under forsøgsordningen. Statusrapport for 2. måleår af moniteringsprojektet med væsentlige resultater fra første måleår. / Svendsen, L.M.; Sortkjær, O.; Ovesen, N.B.; Skriver, J.; Larsen, S.E.; Pedersen, Per Bovbjerg; Rasmussen, Richard Skott; Dalsgaard, Anne Johanne Tang
Hirtshals : Danmarks Fiskeriundersøgelser, 2008. 80 p. (DTU Aqua-rapport; No. 188-08).
Publication: Research › Report – Annual report year: 2008

Environmental benefits achieved by applying recirculation technology at Danish trout farms (Model Trout Farm). / Pedersen, Per Bovbjerg; Svendsen, L.M.; Sortkjær, O.; Ovesen, N.B.; Skriver, J.; Larsen, S.E.; Rasmussen, Richard Skott; Dalsgaard, Anne Johanne Tang
Publication: Research › Article in proceedings – Annual report year: 2008

Essential fatty acids influence metabolic rate and tolerance of hypoxia in Dover sole (Solea solea) larvae and juveniles. / McKenzie, David; Lund, Ivar; Pedersen, Per Bovbjerg.
Publication: Research - peer-review › Journal article – Annual report year: 2008

Publication: Research › Article in proceedings – Annual report year: 2008

Female crucian carp, Carassius carassius, lose predator avoidance behavior when getting ready to mate. / Lastein, S.; Höglund, Erik; Mayer, I.; Overli, O.; Doving, K.B.
Publication: Research - peer-review › Journal article – Annual report year: 2008

Flere økologiske fisk. / Jokumsen, Alfred.
Publication: Research › Journal article – Annual report year: 2008

Formaldehyde induced variation in biofilter performance and microbial composition. / Pedersen, Lars-Flemming; Pedersen, Per Bovbjerg; Nielsen, J.L.; Nielsen, P.H.
Publication: Research › Article in proceedings – Annual report year: 2008

Forskning i planteafgrøder til økologiske fisk. / Jokumsen, Alfred.
Publication: Research › Journal article – Annual report year: 2008

Identifikation og forebygelse af sygdom ved produktion af yngel af europæisk østers : Projektrapport. / Steenfeldt, Svend Jørgen; Holtegaard, Lars Erik.
Publication: Research › Report – Annual report year: 2008

Improved digestibility and growth in selected families of rainbow trout (Oncorhynchus mykiss). / Jokumsen, Alfred; Rasmussen, Richard Skett.


Opdræt af tunge (Solea solea) - undersøgelse af mulighederne for kommercialisering. / Pedersen, Per Bovbjerg; Lund, Ivar; Steenfeldt, Svend Jærge; Overton, Julia Lynne; Nunn, Mads. Hirtshals : DTU Aqua. Institut for Akvatiske Ressourcer, 2008. 55 p. (DTU Aqua-rapport; No. 200-08).


Parental stress-coping styles affect the behaviour of rainbow trout Oncorhynchus mykiss at early developmental stages. / Höglund, Erik; Gjoen, H.-M.; Pottinger, T.G.; Overli, O.
Application of biofilters to reduce formaldehyde discharge from fish farms. / Pedersen, Lars-Flemming; Pedersen, Per Bovbjerg; Sortkjær, O.

Aspects of respiratory physiology and energetics in rainbow trout (Oncorhynchus mykiss) families with different size-at-age and condition factor. / McKenzie, David; Pedersen, Per Bovbjerg; Jokumsen, Alfred.

Attenuation of stress-induced anorexia in brown trout (Salmo trutta) by pre-treatment with dietary L-tryptophan. / Höglund, Erik; Sørensen, C.; Bakke, M.J.; Nilsson, G.E.; Øverli, Ø.

Differences in oxygen consumption, yolk adsorption and behaviour in early life stages of rainbow trout strains selected for high or low stress responsiveness. / Höglund, Erik; Gjaen, H.M.; Øverli, Ø.

Memory of opponents is more potent than visual sign stimuli after social hierarchy has been established. / Korzan, W.J.; Höglund, Erik; Watt, M.J.; Forster, G.L.; Overli, O.; Lukkes, J.L.; Summers, C.H.

Effects of egg size, parental origin and feeding conditions on growth of larval and juvenile cod (Gadus morhua L.). / Pauelsen, Helge; Bühlner, V.; Case, R.A.J.; Clemmesen, C.; Carvalho, G.; Hutchinson, W.F.; Kjesbu, O.S.; Moksness, E.; Otterå, H.; Thorsen, A.; Svásand, T.

Effect of dietary arachidonic acid, eicosapentaenoic acid and docosahexaenoic acid on survival, growth and pigmentation in larvae of common sole (Solea solea L.). / Lund, Ivar; Steenfeldt, Svend Jørgen; Hansen, B.W.

Fin condition and growth among rainbow trout reared at different sizes, densities and feeding frequencies in high temperature re-circulated water. / Rasmussen, Richard Skøtt; Larsen, F.H.; Jensen, S.
Publication: Research - peer-review › Journal article – Annual report year: 2006

Publication: Research › Report – Annual report year: 2006

Hirtshals : Danmarks Fiskeriundersøgelser, 2006. 81 p. (DFU-rapport; No. 162a-06).
Publication: Research › Report – Annual report year: 2006

De fysiske forholds betydning for kvalitet af laksefisk. / Rasmussen, Richard Skøtt.
Publication: Research › Conference abstract in proceedings – Annual report year: 2006

Dose-dependent decomposition rate constants of hydrogen peroxide in small-scale biofilters. / Pedersen, Lars-Flemming; Pedersen, Per Bovbjerg; Sortkjær, O.
Publication: Research - peer-review › Journal article – Annual report year: 2006

Ejstrupholm Dambrug - et modeldambrug under forsøgsordning. Statusrapport for første måleår af moniteringsprojektet. / Svendsen, L.M.; Sortkjær, O.; Ovesen, N.B.; Skriver, J.; Larsen, S.E.; Pedersen, Per Bovbjerg; Rasmussen, Richard Skøtt; Dalsgaard, Anne Johanne Tang.
Hirtshals : Danmarks Fiskeriundersøgelser, 2006. 54 p. (DFU-rapport; No. 166-06).
Publication: Research › Report – Annual report year: 2006

Kongeåens Dambrug - et modeldambrug under forsøgsordning. Statusrapport for første måleår af moniteringsprojektet. / Svendsen, L.M.; Sortkjær, O.; Ovesen, N.B.; Skriver, J.; Larsen, S.E.; Pedersen, Per Bovbjerg; Rasmussen, Richard Skøtt; Dalsgaard, Anne Johanne Tang.
Hirtshals : Danmarks Fiskeriundersøgelser, 2006. 51 p. (DFU-rapport; No. 164-06).
Publication: Research › Report – Annual report year: 2006

Økologisk fiskeopdræt: Rapport fra en vidensyntese om udviklingsmuligheder inden for økologisk fiskeopdræt i Danmark. / Jokumsen, Alfred; Larsen, V.J; Dalsgaard, Inger; Nielsen, Henrik Hauch; Jessen, P.; Kold, J.; Jokumsen, Alfred (Editor).
FØJO, 2006. 110 p. (FØJO rapport; No. 21).
Publication: Research › Report – Annual report year: 2006

Optimering af fangstværdien for jomfruhummere (Nephrops norvegicus) - forsøg med fangst og opbevaring af levende jomfruhummere. / Pedersen, Lars-Flemming.
Hirtshals : Danmarks Fiskeriundersøgelser, 2006. 43 p. (DFU-rapport; No. 159-06).
Publication: Research › Report – Annual report year: 2006

Perspektiver for avlsarbejde i Danmark. / Jokumsen, Alfred; Nielsen, T.; Madsen, S.B.; Henryon, M.; Berg, P.
Publication: Research › Journal article – Annual report year: 2006

Perspektiver for avlsarbejde i Danmark. / Jokumsen, Alfred; Nielsen, T.; Madsen, S.B.; Henryon, M.; Berg, P.
Publication: Research › Journal article – Annual report year: 2006
Copenhagen, Denmark: Ministry of Foreign Affairs, DANIDA, 2006.
Publication: Research › Report – Annual report year: 2004

Temperature dependent formaldehyde degradation in trickling filter. / Pedersen, Lars-Flemming; Pedersen, Per Bovbjerg.
Publication: Research - peer-review › Journal article – Annual report year: 2006

Tvilho Dambrug - et modeldambrug under forsøgsordningen. Statusrapport for første måleår af monitteringsprojektet. / Svendsen, L.M.; Sortkjær, O.; Ovesen, N.B.; Skriver, J.; Larsen, S.E.; Pedersen, Per Bovbjerg; Rasmussen, Richard Skott; Dalsgaard, Anne Johanne Tang.
Publication: Research › Report – Annual report year: 2006

Vidensyntese om økologisk fiskeopdræt. / Jokumsen, Alfred.
Publication: Research › Journal article – Annual report year: 2006

Akvakultur og økologiske løsninger. / Pedersen, Lars-Flemming.
Publication: Research › Journal article – Annual report year: 2005

Publication: Research - peer-review › Conference article – Annual report year: 2005

Ecological aquaculture - A sustainable solution. / Pedersen, Lars-Flemming.
Publication: Research › Journal article – Annual report year: 2005

First feeding of perch (Perca fluviatilis) larvae: (Startfodring af aborrelarver). / Overton, Julia Lynne; Paulsen, Helge.
Publication: Research › Report – Annual report year: 2005

Genetics - a tool in fisheries management. / Paulsen, Helge.
Publication: Research › Journal article – Annual report year: 2005

Introduktion af økologi og kvalitetsmærkning på danske pionerdambrug. / Pedersen, Lars-Flemming; Larsen, V.J; Henriksen, N.H.
Publication: Research › Report – Annual report year: 2005

Kystfodring og godt fiskeri: Undersøgelse af strandnær kystfodring ved Agger Tange. / Støttrup, Josianne; Dolmer, Per; Rejbek, Maria; Nielsen, Else; Ingvaardsen, S.; Lastrup, C.; Sørensen, Sune Riis.
Charlottenlund: Danmarks Fiskeriundersøgelser, 2005. 52 p. (DFU-rapport; No. 156-05).
Publication: Research › Report – Annual report year: 2005

La production aquacole durable au Danemark. / Jokumsen, Alfred.
Publication: Research › Journal article – Annual report year: 2005
**NAPER - A contribution to a new fisheries management.** / Paulsen, Helge.
In: Northern Fisheries, Vol. 27, 2005, p. 3-3.
Publication: Research › Journal article – Annual report year: 2005

**Ongrowing of perch (Perca fluviatilis) juveniles: (Videreopdræt af abolreyngel).** / Overton, Julia Lynne; Paulsen, Helge.
Publication: Research › Report – Annual report year: 2005

**Opdræt af torskreyngel til udsætning i Østersøen, 01.02.2004-30.06.2004: Slutrapport.** / Støttrup, Josianne; Overton, Julia Lynne; Möllmann, C.; Paulsen, Helge; Pedersen, Per Bovbjerg; Lauesen, Peter.
Charlottenlund : Danmarks Fiskeriundersøgelser, 2005. 77 p. (DFU-rapport; No. 143-05).
Publication: Research › Report – Annual report year: 2005

**Organic reared trout in Denmark.** / Pedersen, Lars-Flemming; Larsen, V.J; Henriksen, N.H.
Publication: Research › Journal article – Annual report year: 2005

**Østersprojekt fase II.** / Tørring, D.; Steenfeldt, Svend Jørgen.
Publication: Research › Report – Annual report year: 2005

**Passiv sortering.** / Pedersen, Lars-Flemming.
Publication: Research › Journal article – Annual report year: 2005

**Retention of juveniles within a hybrid zone between North Sea and Baltic Sea Atlantic cod (Gadus morhua).** / Eg Nielsen, Einar; Grønkjær, P.; Meldrup, Dorte; Paulsen, Helge.
Publication: Research - peer-review › Journal article – Annual report year: 2005

**Review of "The Norwegian Sea ecosystem".** / Paulsen, Helge.
Publication: Research › Journal article – Annual report year: 2005

**Selective breeding provides an approach to increase resistance of rainbow trout (Onchorhynchus mykiss) to the diseases, enteric redmouth disease, rainbow trout fry syndrome, and viral haemorrhagic septicemia.** / Henryon, M.; Berg, P.; Olesen, Niels Jørgen; Kjaer, Torben Egl; Slierendrecht, W.J.; Jokumsen, Alfred; Lund, Ivar.
Publication: Research - peer-review › Journal article – Annual report year: 2005

**The potential for enhancing the cod stock in the Eastern Baltic.** / Støttrup, Josianne; Overton, Julia Lynne; Möllmann, C.; Paulsen, Helge; Pedersen, Per Bovbjerg; Lauesen, Peter; Tomkiewicz, Jonna; Howell, B. (Editor); Flos, R. (Editor).
Publication: Research › Conference article – Annual report year: 2005

**Udvikling af opdræt af aborre (Perca fluviatilis) en mulig alternativ art i ferskvandsopdræt.** / Paulsen, Helge; Overton, Julia Lynne; Brünnen, L.
Hirtshals : Danmarks Fiskeriundersøgelser, 2005. 43 p. (DFU-rapport; No. 149-05).
Publication: Research › Report – Annual report year: 2005

**Vurdering af næringstillstand for aborre.** / Paulsen, Helge; Overton, Julia Lynne; Frandsen, D.; Larsen, M.G.G.; Hansen, K.B.
Publication: Research › Report – Annual report year: 2005
An inhibitor of bacterial quorum sensing reduces mortalities caused by vibriosis in rainbow trout (Oncorhynchus mykiss, Walbaum). / Rasch, Maria; Buch, Christiane; Austin, B.; Slierendrecht, W.J; Ekman, Kim Schen; Larsen, J.L.; Johansen, C.; Riedel, K.; Eberl, L.; Givskov, Michael Christian; Gram, Lone.
Publication: Research - peer-review › Journal article – Annual report year: 2004

Danmark har enestående muligheder for at producere østers. / Steenfeldt, Svend Jørgen.
Publication: Research › Journal article – Annual report year: 2004

Dansk dambrug ved en skillevej. / Thomsen, Helge Abildhauge; Pedersen, Per Bovbjerg; Pedersen, Lars-Flemming.
In: Fisk og Hav, No. 58, 2004, p. 4-17.
Publication: Research › Journal article – Annual report year: 2004

En hjælpende hånd til torsk i Østersøen. / Støttrup, Josianne; Tomkiewicz, Jonna; Paulsen, Helge; Pedersen, Per Bovbjerg; Overton, Julia Lynne; Möllmann, Christian; Lauesen, Peter.
Publication: Research › Journal article – Annual report year: 2004

En undersøgelse af muligheder for etablering af måleprogram på såkaldte modeldambrug. / Svendsen, L.M.; Pedersen, Per Bovbjerg; Svendsen, L.M. (Editor); Pedersen, Per Bovbjerg (Editor).
Publication: Research › Report – Annual report year: 2004

Erfaringer med økologisk fiskeopdræt i England. / Pedersen, Lars-Flemming; Larsen, V.J.
Publication: Research › Journal article – Annual report year: 2004

Fatty acid biomarkers: validation of food web and trophic markers using C-13-labelled fatty acids in juvenile sandeel (Ammodites tobianus). / Dalsgaard, Anne Johanne Tang; St. John, Michael.
In: Canadian Journal of Fisheries and Aquatic Sciences, Vol. 61, No. 9, 2004, p. 1671-1680.
Publication: Research - peer-review › Journal article – Annual report year: 2004

Fiskevelfærd i frambrud. / Pedersen, Lars-Flemming.
Publication: Research › Journal article – Annual report year: 2004

Growth rate and nutritional status of wild and released reared juvenile turbot in southern Kattegat, Denmark. / Paulsen, Helge; Støttrup, Josianne.
Publication: Research - peer-review › Journal article – Annual report year: 2004

Motionering af opdrætsfisk. / Pedersen, Lars-Flemming.
Publication: Research › Journal article – Annual report year: 2004

Ny struktur for Dansk Ørredavl. / Jokumsen, Alfred; Thomsen, B.
Publication: Communication › Journal article – Annual report year: 2004

Repetitive acceleration swimming performance of brown trout (Salmo trutta) in freshwater and after acute seawater exposure. / Pedersen, Lars-Flemming; Malte, H.
Publication: Research - peer-review › Journal article – Annual report year: 2004
Sustainable aquaculture production in Denmark. / Jokumsen, Alfred.
Publication: Research › Journal article – Annual report year: 2004

The danish experience. / Pedersen, Lars-Flemming.
Publication: Research › Journal article – Annual report year: 2004

Undersøgelse af biologiske halveringstider, sedimentation og omdannelse af hjælpestoffer og medicin i dam- og havbrug, samt parameterfastsættelse og verifikation af udviklet dambrugsmodel. / Pedersen, Lars-Flemming; Sortkjær, O.; Bruun, Morten Sichlau; Dalsgaard, Inger; Pedersen, Per Bovbjerg.
Publication: Research › Report – Annual report year: 2004

Undersøgelse af biologiske halveringstider, sedimentation og omdannelse af hjælpestoffer og medicin i dam- og havbrug, samt parameterfastsættelse og verifikation af udviklet dambrugsmodel: Supplerende teknisk rapport. / Pedersen, Lars-Flemming; Sortkjær, O.; Bruun, Morten Sichlau; Dalsgaard, Inger; Pedersen, Per Bovbjerg.
Publication: Research › Report – Annual report year: 2004

Publication: Research › Journal article – Annual report year: 2003

Det kommercielle grundlag for nye opdrætsformer i marin akvakultur i Danmark. / Pedersen, Per Bovbjerg.
Publication: Research › Book chapter – Annual report year: 2003

Dietary lipid level for gilthead sea bream - effects on apparent digestibility, growth, protein retention and proximate composition. / Ekmann, Kim Schøn; Holm, Jørgen; Pedersen, Per Bovbjerg.
2003. Poster session presented at International Symposium on Nutrition and Feeding in Fish, Rhodes, Greece, .
Publication: Research › Poster – Annual report year: 2003

Fatty acid trophic markers as measures of energy transfer through marine food webs exemplified by sandeel. / Dalsgaard, Anne Johanne Tang.
Publication: Research › Ph.D. thesis – Annual report year: 2003

Fatty acid trophic markers in the pelagic marine environment. / Dalsgaard, Anne Johanne Tang; St. John, Michael; Kattner, G.; Müller-Navarra, D.; Hagen, W.
Publication: Research - peer-review › Journal article – Annual report year: 2003

Publication: Research › Report – Annual report year: 2003

Modeldambrug: Specifikationer og godkendelseskrav: Rapport fra faglig arbejdskrefter. / Pedersen, Per Bovbjerg; Grønborg, O.; Svendsen, L.M.
Publication: Research › Report – Annual report year: 2003
Økologisk ørred opdræt i Sverige. / Pedersen, Lars-Flemming; Larsen, V.J.
Publication: Research › Journal article – Annual report year: 2003

Økologisk ørredopdræt i Sverige. / Pedersen, Lars-Flemming; Larsen, V.J.
Publication: Research › Journal article – Annual report year: 2003

Ørreder med 6% højere tilvækst på avlstationen. / Jokumsen, Alfred; Lund, Ivar; Berg, P.; Henryon, M.
Publication: Research › Journal article – Annual report year: 2003

Østersopdræt i Limfjorden. / Steenfeldt, Svend Jørgen.
Publication: Research › Report – Annual report year: 2003

Status for økologisk akvakultur. / Pedersen, Lars-Flemming; Larsen, V.J.
Publication: Research › Journal article – Annual report year: 2003

Torskbestånden i Kattegat och Skagerrak näre kollaps. / Svedäng, H.; Paulsen, Helge; Torstensen, E.
Publication: Research › Journal article – Annual report year: 2003

Variability in condition and growth of Atlantic cod larvae and juveniles reared in mesocosms: environmental and maternal effects. / Clemmesen, C.; Bühler, V.; Carvalho, G.; Case, R.; Evans, G.; Hauser, L.; Hutchinson, W.F.; Kjesbu, O.S.; Mempel, H.; Moksness, E.; Otterå, H.; Paulsen, Helge; Thorsen, A.; Svaasand, T.
Publication: Research - peer-review › Journal article – Annual report year: 2003

Effects of hunger level and nutrient balance on survival and acetylcholinesterase activity of dimethoate exposed wolf spiders. / Pedersen, Lars-Flemming; Dall, Lars G.; Sorensen, Bo C.; Mayntz, David; Toft, Soren.
Publication: Research - peer-review › Journal article – Annual report year: 2002

Erfaringer med økologisk fiskeopdræt i England. / Pedersen, Lars-Flemming; Larsen, V.J.
Publication: Research › Journal article – Annual report year: 2002

Ermæningstilstand hos juvenile torsk i Kattegat-Skagerrak området : rapport til Nordisk Ministerråd. / Paulsen, Helge; Svensson, A.; Gjøsæter, J.; Torstensen, E.
Publication: Research › Report – Annual report year: 2002

Publication: Research › Report – Annual report year: 2002

Forskning og udvikling inden for dansk akvakultur. / Jokumsen, Alfred.
Publication: Research › Book chapter – Annual report year: 2002
Genetic variation for growth rate, feed conversion efficiency, and disease resistance exists within a farmed population of rainbow trout. / Henryon, Mark; Jokumsen, Alfred; Berg, Peer; Lund, Ivar; Pedersen, Per Bovbjerg; Olesen, Niels Jørgen; Slierendrecht, Wilhelmina J.
Publication: Research - peer-review › Journal article – Annual report year: 2002

Howdan vokser udsatte pigghvarrer? - et forskningsprojekt støttet af fiskeplejemidlerne. / Paulsen, Helge; Støttrup, Josianne.
Publication: Research › Journal article – Annual report year: 2002

Publication: Research › Journal article – Annual report year: 2002

Kvalitet af opdrætsørred – fodereffekt. / Rasmussen, Richard Skøtt.
Publication: Research › Journal article – Annual report year: 2002

Kystfiskeri i Skagerrak og Kattegat - Torskehundersøgelser 1999-2002 : Slutrapport til Nordisk Ministerråd. / Svedång, A.; Paulsen, Helge; Torstensen, E.
Publication: Research › Report – Annual report year: 2002

Nyt fra avlsstationen - Salg af øjenæg. / Jokumsen, Alfred.
Publication: Research › Journal article – Annual report year: 2002

Predation on Atlantic salmon and sea trout during their first days as postsmolts. / Dieperink, C.; Bak, B.D.; Pedersen, Lars-Flemm; Pedersen, Michael Ingemann; Pedersen, Stig.
Publication: Research - peer-review › Journal article – Annual report year: 2002

Udredning vedrørende vandforbrug ved produktion af regnbueørred i danske dambrug. / Jokumsen, Alfred.
Publication: Research › Report – Annual report year: 2002

Publication: Research › Journal article – Annual report year: 2002

Publication: Research › Journal article – Annual report year: 2001

Avisarbejde på regnbueørred i Danmark. / Jokumsen, Alfred; Berg, P.; Lund, Ivar.
Publication: Research › Journal article – Annual report year: 2001

Optimal ratio between digestible protein and digestible energy in feed for European sea bass (Dicentrarchus labrax). / Pedersen, Per Bovbjerg; Lund, Ivar; Holm, J.; Boisen, S.; Hjermitslev, N.; Autin, M.; Jokumsen, Alfred.
Publication: Research › Conference abstract in proceedings – Annual report year: 2000

Resultater fra akvakulturforskning og teknologisk udvikling under EU-støttede forskningsprogrammer. / Jokumsen, Alfred.
Publication: Research › Journal article – Annual report year: 2000

Undersøgelse af eventuelle miljøpåvirkninger af hjælpestoffer og medicin i ferskvandsdambrug samt metoder til at reducere/eliminere sådanne påvirkninger. / Sortkjær, O.; Pedersen, Per Bovbjerg; Dalsgaard, Inger; Nielsen, P.; Aarup, P.
Charlottenlund : Danmarks Fiskeriundersøgelser, 2000. 206 p. (DFU-rapport; No. 79-00).
Publication: Research › Report – Annual report year: 2000

Assistance to assess a draft regulation of the aquaculture sector in Mozambique. / Pedersen, Per Bovbjerg.
Publication: Research › Report – Annual report year: 1999

Avisstation ved Nordøcentret. / Jokumsen, Alfred.
Publication: Communication › Journal article – Annual report year: 1999

Effect of replacement of fish meal by potato protein concentrate in the diet for rainbow trout on feeding rate, digestibility and growth. / Xie, Shougi; Jokumsen, Alfred.
Publication: Research - peer-review › Journal article – Annual report year: 1997

Foderrapport 1-5. / Pedersen, Per Bovbjerg.
Publication: Research › Report – Annual report year: 1999

Information om akvakulturforskningen. / Jokumsen, Alfred.
Publication: Research › Journal article – Annual report year: 1999

Multivariate Dataanalysis of Enzyme Production for Hydrolysis Purposes. / Schmidt, Anette Skammelsen; Suhr, Karin Isabel.
Danmarks Tekniske Universitet, Risø Nationallaboratoriet for Bæredygtig Energi, 1999. 40 p. (Denmark. Forskningscenter Risoe. Risoe-R; No. 1139(EN)).
Publication: Research - peer-review › Report – Annual report year: 1999

Nyt om avisstationen. / Jokumsen, Alfred.
Publication: Communication › Journal article – Annual report year: 1999

Resultater fra akvakulturforskning og teknologisk udvikling under EU-støttede forskningsprogrammer. / Jokumsen, Alfred.
Publication: Research › Report – Annual report year: 1999

Vedrørende udvikling af en mærkningsmodel for økologisk akvakulturproduktion. / Pedersen, Per Bovbjerg.
Publication: Research › Report – Annual report year: 1999
An approach to the modelling of persistent pollutants in marine ecosystems. / Dalsgaard, Anne Johanne Tang; Jarre, Astrid; Walters, C.; Pauly, D.
Publication: Research › Conference article – Annual report year: 1998

Effects of dietary incorporation of potato protein concentrate and supplementation of methionine on growth and feed utilization of rainbow trout. / Xie, S.; Jokumsen, Alfred.
Publication: Research - peer-review › Journal article – Annual report year: 1998

Publication: Research › Journal article – Annual report year: 1998

Fishing down marine food webs. / Pauly, D.; Christensen, V.; Dalsgaard, Anne Johanne Tang; Froese, R.; Torres Jr., R.
Publication: Research - peer-review › Journal article – Annual report year: 1998

Indicators of nutritional status of turbot Scophthalmus maximus (L., 1758) larvae. / Paulsen, Helge; Poulsen, N.E.; Iglesias, J.; Olmedo, M.; Korsgaard, B.; Lavans, P.; Burkhardt-Holm, P.
Publication: Research › Journal article – Annual report year: 1999

Juvenile quality and adaptive capacity. / Paulsen, Helge; Støttrup, Josianne.
Publication: Research › Journal article – Annual report year: 1998

Mass-balance food web ecosystem models as an alternative approach for combining multiple information sources in fisheries. / Pauly, Daniel; Dalsgaard, Anne Johanne Tang; Okey, Thomas A.; Powell, Robert; Pimm, Stuart.
Publication: Research › Article in proceedings – Annual report year: 1997

Restocking of marine fish in Denmark. / Paulsen, Helge; Støttrup, Josianne.
Publication: Research › Article in proceedings – Annual report year: 1998

Spatial and temporal distribution of brown trout redds in a small temperate stream. / Olofsson, H.; Mosegaard, Henrik; Höglund, Erik.
Publication: Research - peer-review › Journal article – Annual report year: 1998

Status on recirculation technology in Denmark. / Pedersen, Per Bovbjerg.
Publication: Research › Conference article – Annual report year: 1998

Stocking of marine fish - a growing market for aquaculture. / Støttrup, Josianne; Paulsen, Helge.
Publication: Research › Conference article – Annual report year: 1998

Large eyes as indicators of reduced growth. / Paulsen, Helge.
Publication: Research › Article in proceedings – Annual report year: 1996
Otolith size related to growth rate in reared, restocked and wild turbot. / Paulsen, Helge.
Publication: Research › Conference article – Annual report year: 1996

Status – 1995: Marin Fiskepleje. / Støttrup, Josianne; Nicolajesen, Hanne; Nielsen, J. Rasmus; Paulsen, Helge; Lehmann, K.M.; Pedersen, C.
DIFRES, 1996. 31 p.
Publication: Research › Report – Annual report year: 1996

A multidisciplinary danish research program on rainbow trout (Oncorhynchus mykiss) farming. / Berg, P.; Eggum, B.O.; Møller, S.H.; Holm, L.E.; Jørgensen, P.E.V.; Olesen, N.J.; Buchmann, K.; Larsen, J.L.; Dalsgaard, Inger; Møllergaard, Stig; Jeppesen, V.F.; Frier, J.O.; McLean, E.; Holm, L.E.; Olesen, Niels Jørgen; Buchmann, Kurt; Larsen, J.L.; Dalsgaard, Inger; Møllergaard, Stig; From, J.; Frier, J.O.; McLean, E.; Holm, L.E.; Olesen, Niels Jørgen; Buchmann, Kurt; Larsen, J.L.; Dalsgaard, Inger; Møllergaard, Stig; From, J.; Frier, J.O.; McLean, E.; Holm, L.E.; Olesen, Niels Jørgen; Buchmann, Kurt; Larsen, J.L.; Dalsgaard, Inger; Møllergaard, Stig; From, J.; Frier, J.O.; McLean, E.; Hørlyck, Viggo; Graver, Christian; Kristensen, T.P.; Birk, E.; Pedersen, Per Bovbjerg.
Publication: Research - peer-review › Journal article – Annual report year: 1995

A multi-disciplinary Danish research programme on rainbow trout (Oncorhynchus mykiss) farming. / Berg, P.; Eggum, B.O.; Møller, S.H.; Holm, L.E.; Jørgensen, P.E.V.; Olesen, Niels Jørgen; Buchmann, Kurt; Larsen, J.L.; Dalsgaard, Inger; Møllergaard, Stig; From, J.; Frier, J.O.; McLean, E.; Holm, L.E.; Olesen, Niels Jørgen; Buchmann, Kurt; Larsen, J.L.; Dalsgaard, Inger; Møllergaard, Stig; From, J.; Frier, J.O.; McLean, E.; Hørlyck, Viggo; Graver, Christian; Kristensen, T.P.; Birk, E.; Pedersen, Per Bovbjerg.
Publication: Research › Conference abstract for conference – Annual report year: 1994

Status for marin fiskepleje - 1994. / Støttrup, Josianne; Nicolajesen, Hanne; Paulsen, Helge; Nitschke, K.; Pedersen, C.
Publication: Research › Report – Annual report year: 1994

Experimental estimation of food preference in cod - results of a pilot experiment. / Degnbol, Poul; Christensen, Villy; Støttrup, Josianne; Paulsen, Helge; Stæhr, Karl-Johan.
Publication: Research › Conference article – Annual report year: 1990

Extensive rearing of turbot larvae (Scophthalmus maximus L.). / Paulsen, Helge; Andersen, Niels Gerner.
Publication: Research - peer-review › Book chapter – Annual report year: 1989

Plankton dynamics and herring larval growth, drift and survival in a frontal area. / Kjørboe, Thomas; Munk, Peter; Richardson, Katherine; Christensen, Villy; Paulsen, Helge.
Publication: Research - peer-review › Journal article – Annual report year: 1988

Studies of a larval herring (Clupea harengus L.) patch in the Buchan area. 2. Growth, mortality and drift of larvae. / Munk, Peter; Christensen, Villy; Paulsen, Helge.
Publication: Research - peer-review › Journal article – Annual report year: 1986

ANIMAL FEEDING STUDY WITH NITRITE-TREATED MEAT. / Olsen, P.; Gry, J.; Knudsen, I.; Meyer, Otto A.; Poulsen, E.
Publication: Research - peer-review › Journal article – Annual report year: 1984