Peter Vilhelm Skov - DTU Orbit (12/02/2018)

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Publications:

Acute and long-term CO2 exposure reduces the performance of Atlantic salmon in RAS
Publication: Research › Conference abstract in proceedings – Annual report year: 2017

Bigger is not better: cortisol-induced cardiac growth and dysfunction in salmonids
Publication: Research - peer-review › Journal article – Annual report year: 2017

Blood O2 affinity of a large polar elasmobranch, the Greenland shark Somniosus microcephalus
Publication: Research - peer-review › Journal article – Annual report year: 2017

Crosstalk between innate immunity and circadian rhythm: Do fish immune defences have a sense of time?
Publication: Research › Poster – Annual report year: 2017

Effect of some common West African farm-made feeds on the oxygen consumption and ammonia excretion rates of Nile tilapia, Oreochromis niloticus
Publication: Research - peer-review › Journal article – Annual report year: 2017

Emergence time and skin melanin spot patterns do not correlate with growth performance, social competitive ability or stress response in farmed rainbow trout
Publication: Research - peer-review › Journal article – Annual report year: 2017

Reflex impairment, physiological stress, and discard mortality of European plaice Pleuronectes platessa in an otter trawl fishery
Publication: Research - peer-review › Journal article – Annual report year: 2017

Short-term feed and light deprivation reduces voluntary activity but improves swimming performance in rainbow trout Oncorhynchus mykiss
Publication: Research - peer-review › Journal article – Annual report year: 2017

Stress and recovery from trawl capture of Norway lobster (Nephrops norvegicus) and potential for live storage
Publication: Research › Conference abstract for conference – Annual report year: 2017

The influence of ration size on energetics and nitrogen retention in tilapia (Oreochromis niloticus)
Publication: Research - peer-review › Journal article – Annual report year: 2017

Cognitive appraisal of aversive stimulus differs between individuals with contrasting stress coping styles; evidences from selected rainbow trout (Oncorhynchus mykiss) strains
Publication: Research - peer-review › Journal article – Annual report year: 2016
Discontinuation of anti-VEGF cancer therapy promotes metastasis through a liver revascularization mechanism
Publication: Research - peer-review › 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
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)
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)
Publication: Research - peer-review › Journal article – 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)
Publication: Research - peer-review › Journal article – Annual report year: 2015

Costs and benefits of farming fish with selected behavioural and physiological traits
Publication: Research › Conference abstract for conference – 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
Publication: Research - peer-review › Journal article – Annual report year: 2015

Digestibility and postprandial ammonia excretion in Nile tilapia (Oreochromis niloticus) fed diets containing different oilseed by-products
Publication: Research - peer-review › Journal article – Annual report year: 2015

Discard overlevelse
Publication: Research › Report – Annual report year: 2015

DTU Aqua kigger på discard overlevelse
Publication: Communication › Newspaper article – Annual report year: 2015

Economic and environmental benefits from integrating Aquaculture and Agriculture (IAA) in Ghana - presentation of system setup
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)
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
Publication: Research - peer-review › Journal article – Annual report year: 2015

Evaluation of locally-available agroindustrial byproducts as partial replacements to fishmeal in diets for Nile Tilapia (Oreochromis niloticus) production in Ghana
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
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
Publication: Research - peer-review › Journal article – Annual report year: 2015

Local agro-industrial by-products with potential use in Ghanaian aquaculture: a review
Publication: Research - peer-review › Review – Annual report year: 2014

No evidence for a bioenergetic advantage from forced swimming in rainbow trout under a restrictive feeding regime
Publication: Research - peer-review › Journal article – Annual report year: 2015

Dietary LC-PUFA deficiency early in ontogeny induces behavioural changes in pike perch (Sander lucioperca) larvae and fry
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)
Publication: Research › Ph.D. thesis – Annual report year: 2014

Forced swimming in rainbow trout does not confer a bioenergetic advantage but reduces the fraction of protein oxidized to fuel
Publication: Research › Conference abstract for conference – Annual report year: 2014

Microbial interference and potential control in culture of European eel (Anguilla anguilla) embryos and larvae
Publication: Research - peer-review › Journal article – Annual report year: 2014

Temperature and oxygen as determining factors in post-stress recovery profiles of Norwegian lobster Nephrops norvegicus
Publication: Research › Poster – Annual report year: 2014

Drifts- og miljømæssig optimering af recirkulerede opdrætsanlæg
Publication: Research › Report – Annual report year: 2013

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

Glycogenesis and de novo lipid synthesis from dietary starch in juvenile gilthead sea bream (Sparus aurata) quantified with stable isotopes
Publication: Research - peer-review › Journal article – Annual report year: 2012

Hypercapnia adversely affects postprandial metabolism in the European eel (Anguilla anguilla)
Publication: Research - peer-review › Journal article – Annual report year: 2013

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).
Publication: Research › Conference abstract for conference – Annual report year: 2013
Introduction of the stress hormone cortisol through food pellets induces cardiac remodelling in rainbow trout Oncorhynchus mykiss
Publication: Research › Conference abstract for conference – Annual report year: 2013

Microbial interference and potential control in the production of European eel Anguillla anguilla larvae
Publication: Research › Conference abstract for conference – Annual report year: 2013

Nutrient digestibility and growth in rainbow trout (Oncorhynchus mykiss) are impaired by short term exposure to moderate supersaturation in total gas pressure
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)
Publication: Research - peer-review › Journal article – Annual report year: 2013

Welfare aspects of stocking density in farmed rainbow trout, assessed by behavioural and physiological methods
Publication: Research › Ph.D. thesis – Annual report year: 2013

AquaResp® — free open-source software for measuring oxygen consumption of resting aquatic animals
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
Publication: Research - peer-review › Journal article – Annual report year: 2012

Effects of stocking density and sustained aerobic exercise on growth, energetics and welfare of rainbow trout
Publication: Research - peer-review › Journal article – Annual report year: 2011

Fast-starting for a breath: Air breathing in Hoplosternum littorale
Publication: Research › Conference abstract for conference – Annual report year: 2012

Influence of protein source on amino acid uptake patterns and protein utilization in rainbow trout Oncorhynchus mykiss
Publication: Research › Conference abstract for conference – 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
Publication: Research - peer-review › Journal article – Annual report year: 2011

Thermal optimum for pikeperch (Sander lucioperca) and the use of ventilation frequency as a predictor of metabolic rate
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
Publication: Research - peer-review › Journal article – Annual report year: 2012

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

Effects of rearing density and water current on the respiratory physiology and haematology in rainbow trout, Oncorhynchus mykiss at high temperature
Publication: Research - peer-review › Journal article – Annual report year: 2011

Effects of substituting lipid with starch as metabolic fuel on performance and nutrient utilization in gilthead sea bream (Sparus aurata) juveniles
Forekomst og betydning af gasovermætning: Fra: Dambrugsteknologi. Samlerapport
Publication: Research › Report – Annual report year: 2011

Optimering af driften på etablerede modeldambrug og fortsat videreudvikling af recirkuleringsteknologien: Rapport for arbejdspakke 3b : Undersøge graden af gasovermætning samt evaluere betydningen
Publication: Research › Report – Annual report year: 2011

Pop up satellite tags impair swimming performance and energetics of the European eel (Anguilla anguilla)
Publication: Research - peer-review › Journal article – Annual report year: 2011

Embryonic sucking and maternal specializations in the live-bearing teleost Zoarces viviparus
Publication: Research - peer-review › Journal article – Annual report year: 2010

Abolition of reflex bradycardia by cardiac vagotomy has no effect on the regulation of oxygen uptake by Atlantic cod in progressive hypoxia
Publication: Research - peer-review › Journal article – Annual report year: 2009

The primary and secondary vascular system of the Atlantic cod with special reference to the lateral line organ
Publication: Research - peer-review › Journal article – Annual report year: 2008

The role of adrenaline as a modulator of cardiac performance in two Antarctic fishes
Publication: Research - peer-review › Journal article – Annual report year: 2008

Vascular arrangement and ultrastructure of the Europen eelpout Zoarces viviparus ovary: implications for maternal-embryonic exchange
Publication: Research - peer-review › Journal article – Annual report year: 2007

Whole blood-oxygen binding properties of four cold-temperate marine fishes: blood affinity is not linked with pH-dependent binding, routine swimming performance or environmental hypoxia
Publication: Research - peer-review › Journal article – Annual report year: 2006

Branchial vascular pathways in two species of Tetraodontiformes and the concept of secondary vessels and nutrient arteries
Publication: Research - peer-review › Journal article – Annual report year: 2005

Structural basis for control of secondary vessels in the long-finned eel, Anguilla reinhardtii
Publication: Research - peer-review › Journal article – Annual report year: 2004

The secondary vascular system of Actinopterygii: interspecific variation in origins and investment
Publication: Research - peer-review › Journal article – Annual report year: 2004

The blood volumes of the primary and secondary circulatory system in the Atlantic cod, Gadus morhua L., using plasma bound Evans Blue and compartmental analysis
Publication: Research - peer-review › Journal article – Annual report year: 2003

Projects:

Influence of Parasite Load on the Growth and Bioenergetics of Baltic cod
Project: PhD
Effects of seal-related liver worm on Baltic cod growth and mortality (39411)
Project

Resource efficiency in practice: from sugar beet waste to fish feed ingredient (Starfish) (39368)
Project

Welfare, health and individuality in farmed fish (WIN-FISH) (39236)
Project

New possibilities for growth and robustness in organic aquaculture (ROBUSTFISH) (39159)
Project

Sustainable fish feed development in Ghana (Susfeed) (39158)
Project

Discard survival (DISCO) (39152)
Project

Enhancing the European aquaculture production by removing production bottlenecks of emerging species, producing new products and accessing new markets (DIVERSIFY) (39132)
Project

Selective and low impact gear for fishing live nephrops (39042)
Project

Improved farming technology to optimize production, water quality and disease prevention in model trout farms (FOOP) (38950)
Project

Forbedret Opdræsteknologi til Optimering af Produktion, vandkvalitet og sygdomsforebyggelse i modeldambrug
Project

Amino acid uptake patterns in fish fed plant based protein and the effects on protein utilization.
Project: PhD

HPLC and amino acids uptake patterns in fish fed plant-based protein (38803)
Project

Management and environmental improvement of recirculating aquaculture systems (38815)
Project

Offshore aquaculture, development of technology for offshore sea farming (38925)
Project

Welfare in farmed rainbow trout, social and environmental preferences
Project: PhD

Energy efficiency in the aquaculture sector (38802)
Project

Reproduction of European eel: Towards a self-sustained aquaculture (PRO-EEL) (38793)
Project
Amino acid metabolism in gilthead seabream (Sparus aurata) - the fate of protein derived nitrogen
Project: PhD

Individual variation in developmental rate in rainbow trout larvae; implications for welfare and production aspects in modern aquaculture
Project: PhD

Strategies to improve health and welfare in rainbow trout farming (38193)
Project

Press clippings:

Jorden rundt med Galathea 3
Press / Media