Anders Peter Andersen - DTU Orbit (12/01/2019)

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Research outputs:

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

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

An analytical model of flagellate hydrodynamics
Research output: Research - peer-review › Journal article – Annual report year: 2017

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

Computational Fluid Dynamics of Choanoflagellate Filter-Feeding
Research output: Research - peer-review › Poster – Annual report year: 2018

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

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

Wake structure and thrust generation of a flapping foil in two-dimensional flow
Research output: Research - peer-review › Journal article – Annual report year: 2017

Bouncing droplets, pilot-waves, and quantum mechanics
Research output: Research - peer-review › Book chapter – Annual report year: 2016

Cavitation nuclei in water exposed to transient pressures
Research output: Research - peer-review › Journal article – Annual report year: 2015

Double-slit experiment with single wave-driven particles and its relation to quantum mechanics
Research output: Research - peer-review › Journal article – Annual report year: 2015
Quiet swimming at low Reynolds number
Research output: Research - peer-review › Journal article – Annual report year: 2015

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

Bathtub physics
Research output: Research - peer-review › Journal article – Annual report year: 2014

Comment on Y. Couder and E. Fort
Research output: Research - peer-review › Journal article – Annual report year: 2014

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

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

From Newton's bucket to rotating polygons: experiments on surface instabilities in swirling flows
Research output: Research - peer-review › Journal article – Annual report year: 2014

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

Polygon formation and surface flow on a rotating fluid surface - ERRATUM
Research output: Research - peer-review › Comment/debate – Annual report year: 2012

Tensile Strength of Water Exposed to Pressure Pulses
Research output: Research - peer-review › Book chapter – Annual report year: 2012

Exotic wakes of flapping fins
Research output: Research › Ph.D. thesis – Annual report year: 2011

"Japansk" viftestrømning og hvirveldannelse i en sæbefilm
Research output: Communication › Journal article – Annual report year: 2011

Japanese fan flow
Research output: Research - peer-review › Journal article – Annual report year: 2010

Separation vortices and pattern formation
Research output: Research - peer-review › Journal article – Annual report year: 2010

Structure of a steady drain-hole vortex in a viscous fluid
Research output: Research - peer-review › Journal article – Annual report year: 2010

Swimming behavior and prey retention of the polychaete larvae Polydora ciliata (Johnston)
Research output: Research - peer-review › Journal article – Annual report year: 2010
Unsteady motion: escape jumps in planktonic copepods, their kinematics and energetics
Research output: Research - peer-review › Journal article – Annual report year: 2010

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

Bubble Pinch-Off in a Rotating Flow
Research output: Research - peer-review › Journal article – Annual report year: 2009

Fluid Forces and Vortex Wakes of a Flapping Foil
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2009

Hydraulic jumps in a channel
Research output: Research - peer-review › Journal article – Annual report year: 2009

Mechanisms and feasibility of prey capture in ambush-feeding zooplankton
Research output: Research - peer-review › Journal article – Annual report year: 2009

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

Vortex wakes of a flapping foil
Research output: Research - peer-review › Journal article – Annual report year: 2009

Swimming in a soap film
Research output: Research › Poster – Annual report year: 2008

Vortex wakes of a flapping foil in a flowing soap film
Research output: Research › Sound/Visual production (digital) – Annual report year: 2008

Airflow driven pinch-off of a bubble in a rotating liquid
Research output: Research - peer-review › Article in proceedings – Annual report year: 2007

Hydraulic jumps in a narrow channel
Research output: Research - peer-review › Article in proceedings – Annual report year: 2007

The bathtub vortex in a rotating container
Research output: Research - peer-review › Journal article – Annual report year: 2006

Badekarshvi lens Anatomii
Research output: Communication › Journal article – Annual report year: 2004

Anatomy of a Bathtub Vortex
Research output: Research - peer-review › Journal article – Annual report year: 2003

An averaging method for nonlinear laminar Ekman layers
Research output: Research - peer-review › Journal article – Annual report year: 2003

Random matrix theory and acoustic resonances in plates with an approximate symmetry
Research output: Research - peer-review › Journal article – Annual report year: 2001
Vortex dynamics around a solid ripple in an oscillatory flow
Research output: Research › Conference abstract for conference – Annual report year: 2001

Projects:

Predation in a Microbial World
Project: PhD

Physics of Microbial Feeding
Project: PhD

Hydrodynamics of small Marine Organisms
Project: PhD

Zooplankton Fluid Dynamics
Project: PhD

Vortex flows with a free surface and random matrix theory and acoustic resonances
Project: PhD

Fluid Dynamics of Animal Locomotion
Project: PhD

Global Modelling of Turbulence and Transport in Magnetically Confined Plasma
Project: PhD

Mathematical modeling of wetting properties of micro and nano structured polymer surfaces
Project: PhD

Activities:

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

Hydrodynamics of Microbial Filter-Feeding
Activity: Talks and presentations › Conference presentations

Quiet swimming at low Reynolds number
Activity: Talks and presentations › Conference presentations

Hydrodynamics of Choanoflagellate Feeding
Activity: Talks and presentations › Conference presentations

Press clippings:

Farvel til en gammel drøm
Press/Media: Press / Media