Latest research - DTU Orbit (28/02/2018)

**Cryogenic Preamplifiers for Magnetic Resonance Imaging**
Publication: Research - peer-review › Journal article – Annual report year: 2018

**Column leaching from a Danish forest soil amended with wood ashes: fate of major and trace elements**
Maresca, A., Hansen, M., Ingerslev, M. & Fruegaard Astrup, T.
1 Feb 2018 In : Biomass and Bioenergy. 109, p. 91-99
Publication: Research - peer-review › Journal article – Annual report year: 2018

**Occurrence of cyclic imines in European commercial seafood and consumers risk assessment**
Publication: Research - peer-review › Journal article – Annual report year: 2018

**Linking secondary metabolites to gene clusters through genome sequencing of six diverse Aspergillus species**
Publication: Research - peer-review › Journal article – Annual report year: 2018

**Fast and stable gratings inscription in POFs made of different materials with pulsed 248 nm KrF laser**
22 Jan 2018 In : Optics Express. 26, 2, p. 2013-2022
Publication: Research - peer-review › Journal article – Annual report year: 2018

**Formalization of the Resolution Calculus for First-Order Logic**
Schlichtkrull, A.
Publication: Research - peer-review › Journal article – Annual report year: 2018

**Radiative MRI Coil Design Using Parasitic Scatterers: MRI Yagi**
Sanchez-Heredia, J. D., Avendal, J., Bibic, A. & Lau, B. K.
Publication: Research - peer-review › Journal article – Annual report year: 2018

**Approximation of ruin probabilities via Erlangized scale mixtures**
Peralta, O., Rojas-Nandayapa, L., Xie, W. & Yao, H.
1 Jan 2018 In : Insurance: Mathematics and Economics. 78, p. 136-156
Publication: Research - peer-review › Journal article – Annual report year: 2018

**Selecting of a cytochrome P450<sub>cam</sub> SeSaM library with 3-chloroindole and endosulfan – Identification of mutants that dehalogenate 3-chloroindole**
Kammoonah, S., Prasad, B., Balaraman, P., Mundhada, H., Schwaneberg, U. & Plettner, E.
1 Jan 2018 In : Biochimica et Biophysica Acta - Proteins and Proteomics. 1866, 1, p. 68-79 12 p.
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**Latency and bit-error-rate evaluation for radio-over-ethernet in optical fiber front-haul networks**
Sayadi, M., Rodriguez, S., Olmos, J. J. V. & Tafur Monroy, I.
1 Jan 2018 In : Optical Switching and Networking. 27, p. 88-92
Publication: Research - peer-review › Journal article – Annual report year: 2018

**Simulation Study of Active Ceilings with Phase Change Material in Office Buildings for Different National Building Regulations**
Farhan, H., Stefansen, C., Bourdakis, E., Kazanci, O. B. & Olesen, B. W.
Simulation Study of Performance of Active Ceilings with Phase Change Material in Office Buildings under Extreme Climate Conditions

The Influence of a Radiant Panel System with Integrated Phase Change Material on Energy Use and Thermal Indoor Environment

Adherence to the Danish food-based dietary guidelines and risk of myocardial infarction: a cohort study: A cohort study

Timing of lake-level changes for a deep last-glacial Lake Missoula: optical dating of the Garden Gulch area, Montana, USA

Adipose tissue fatty acids present in dairy fat and risk of stroke: the Danish Diet, Cancer and Health cohort: the Danish Diet, Cancer and Health cohort

Energy vs. density on paths toward exact density functionals

Synthesis of Molecularly Imprinted Polymer Nanoparticles for α-Casein Detection Using Surface Plasmon Resonance as a Milk Allergen Sensor

Diverse genetic error modes constrain large-scale bio-based production
Rugbjerg, P., Myling-Petersen, N., Porse, A., Sarup-Lytzen, K. & Sommer, M. O. A. 2018 In : Nature Communications. 9, 14 p., 787

A multifunctional molecularly imprinted polymer-based biosensor for direct detection of doxycycline in food samples
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