Ines Pereira Rosinha Grundtvig - Research outputs - DTU Orbit (08/11/2018)

**Screening of organic solvents for bioprocesses using aqueous-organic two-phase systems.** / Rosinha Grundtvig, Inês P.; Heintz, Søren; Krühne, Ulrich; Gernaey, Krist V.; Adlercreutz, Patrick; Hayler, John D.; Wells, Andy S.; Woodley, John M.
Research output: Research - peer-review › Journal article – Annual report year: 2018

**Computational Fluid Dynamics - en genvej til procesindsigt.** / Bach, Christian; Spann, Robert; Larsson, Hilde Kristina; Pereira Rosinha Grundtvig, Ines; Albæk, Mads Orla; Gernaey, Krist V.; Krühne, Ulrich.
Research output: Research - peer-review › Journal article – Annual report year: 2017

**Design of a gas-inducing impeller using Computational Fluid Dynamics.** / Pereira Rosinha Grundtvig, Ines; Hybschmann, Tim; Gernaey, Krist V.; Svendsen, Tore C.; Krühne, Ulrich.
Research output: Research - peer-review › Poster – Annual report year: 2017

**Experimental and computational evaluation of area selectively immobilized horseradish peroxidase in a microfluidic device.** / Hoffmann, Christian; Pereira Rosinha Grundtvig, Ines; Thrane, Joachim; Garg, Nipun; Gernaey, Krist V.; Pinelo, Manuel; Woodley, John; Krühne, Ulrich; Daugaard, Anders Egede.
Research output: Research - peer-review › Journal article – Annual report year: 2017

**Shape optimization as a tool to design biocatalytic microreactors.** / Pereira Rosinha Grundtvig, Ines; Daugaard, Anders Egede; Woodley, John; Gernaey, Krist; Krühne, Ulrich.
Research output: Research - peer-review › Journal article – Annual report year: 2017

**Selective distribution of enzymes in a microfluidic reactor.** / Daugaard, Anders Egede; Pereira Rosinha Grundtvig, Ines; Krühne, Ulrich; Hoffmann, Christian.
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2016

**Thiol-ene thermosets exploiting surface reactivity for layer-by-layer structures and control of penetration depth for selective surface reactivity.** / Daugaard, Anders Egede; Westh, Andreas; Pereira Rosinha Grundtvig, Ines; Krühne, Ulrich; Hoffmann, Christian.
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2016

**Shape and topology optimization of enzymatic microreactors.** / Pereira Rosinha, Ines; Woodley, John (Supervisor); Gernaey, Krist (Supervisor); Krühne, Ulrich (Main supervisor).
Research output: Research › Ph.D. thesis – Annual report year: 2015

**Topology optimization for biocatalytic microreactor configurations.** / Pereira Rosinha, Ines; Gernaey, Krist; Woodley, John; Krühne, Ulrich.
Research output: Research - peer-review › Article in proceedings – Annual report year: 2015

**Biocatalytic process development using microfluidic miniaturized systems.** / Krühne, Ulrich; Heintz, Søren; Ringborg, Rolf Hoffmeyer; Pereira Rosinha, Ines; Tufvesson, Pär; Gernaey, Krist V.; Woodley, John M.
Research output: Research - peer-review › Journal article – Annual report year: 2014

**Shape optimisation of a microreactor for biocatalytic synthesis of optically pure chiral amines.** / Pereira Rosinha, Ines; Gernaey, Krist; Woodley, John; Krühne, Ulrich.
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2014

**Systematic Development of Miniaturized (Bio)Processes using Process Systems Engineering (PSE) Methods and Tools.** / Krühne, Ulrich; Larsson, Hilde; Heintz, Søren; Ringborg, Rolf Hoffmeyer; Pereira Rosinha, Ines; Bodla, Vijaya Krishna; Andrade Santacoloma, Paloma de Gracia; Tufvesson, Pär; Woodley, John; Gernaey, Krist.
Research output: Research - peer-review › Journal article – Annual report year: 2014

**Test design of particles for immobilization of ω-transaminase in a packed bed microreactor.** / Pereira Rosinha, Ines; Gernaey, Krist; Woodley, John; Krühne, Ulrich.
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2014

**Biokatalysatorens vej til industrien.** / Krühne, Ulrich; Heintz, Søren; Pereira Rosinha, Ines; Ringborg, Rolf Hoffmeyer; Tufvesson, Pär; Gernaey, Krist; Woodley, John.
Research output: Research › Journal article – Annual report year: 2013

**Miniaturized experimental toolbox for ω-transaminase technology (BIOINTENSE).** / Pereira Rosinha, Ines; Ringborg, Rolf Hoffmeyer; Heintz, Søren; Tufvesson, Pär; Krühne, Ulrich; Gernaey, Krist; Woodley, John.
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2013

**Miniaturized Experimental Toolbox for ω-Transaminase Technology (BIOINTENSE).** / Pereira Rosinha, Ines; Ringborg, Rolf Hoffmeyer; Heintz, Søren; Tufvesson, Pär; Schümann, Martin; Panella, Lavinia; Wohlgemuth, Roland; Krühne, Ulrich; Gernaey, Krist; Woodley, John.
Research output: Research - peer-review › Poster – Annual report year: 2014

**Simulation study of microbioreactor configurations for production of optically pure chiral amines.** / Pereira Rosinha, Ines; Gernaey, Krist; Woodley, John; Krühne, Ulrich.
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2013

**Towards effective biocatalytic process development using microreactor technology.** / Woodley, John (Invited author); Heintz, Søren; Ringborg, Rolf Hoffmeyer; Pereira Rosinha, Ines; Tufvesson, Pär; Krühne, Ulrich; Gernaey, Krist.
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2013