Rolf Hoffmeyer Ringborg - DTU Orbit (24/06/2018)

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Publications:

Application of Iterative Robust Model-based Optimal Experimental Design for the Calibration of Biocatalytic Models
Publication: Research - peer-review › Journal article – Annual report year: 2017

Automated Determination of Oxygen-Dependent Enzyme Kinetics in a Tube-in-Tube Flow Reactor
Ringborg, R. H., Pedersen, A. T. & Woodley, J. 2017 In : Chemcatchem. 9, 17, p. 3285 – 3288
Publication: Research - peer-review › Journal article – Annual report year: 2017

Development of in-situ product removal strategies in biocatalysis applying scaled-down unit operations
Publication: Research - peer-review › Journal article – Annual report year: 2016

A case study on robust optimal experimental design for model calibration of ω-Transaminase

A microfluidic toolbox for the development of in-situ product removal strategies in biocatalysis
Heintz, S., Mitic, A., Ringborg, R. H., Krühne, U., Woodley, J. & Gernaey, K. 2016 In : Journal of Flow Chemistry. 6, 1, p. 18–26
Publication: Research - peer-review › Review – Annual report year: 2016

Enzyme Characterization in Microreactors by UV-Vis Spectroscopy
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

The application of reaction engineering to biocatalysis
Ringborg, R. H. & Woodley, J. 2016 In : Reaction Chemistry & Engineering. 1, p. 10-22
Publication: Research - peer-review › Review – Annual report year: 2016

Application Of A Microfluidic Tool for the Determination of Enzyme Kinetics
Publication: Research › Ph.D. thesis – Annual report year: 2015

Synthesis of 5-hydroxymethylfurfural (HMF) by acid catalyzed dehydration of glucose-fructose mixtures
Publication: Research - peer-review › Journal article – Annual report year: 2015

Biocatalytic process development using microfluidic miniaturized systems
Publication: Research - peer-review › Journal article – Annual report year: 2014
Enzyme characterisation in microreactors by multivariate data analysis
Ringborg, R. H., Krühne, U. & Woodley, J. 2014
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2014

Publication: Research - peer-review › Journal article – Annual report year: 2014

3D-printer vejen til innovation?
Poulsen, A., Heintz, S., Ringborg, R. H., Woodley, J., Gernaey, K. & Krühne, U. 2013 In: Dansk Kemi. 94, 10, p. 32-34
Publication: Communication › Journal article – Annual report year: 2013

Applications, benefits and challenges of flow chemistry
Mitic, A., Heintz, S., Ringborg, R. H., Bodla, V. K., Woodley, J. & Gernaey, K. 2013 In: Chimica Oggi. 31, 4, p. 4-8
Publication: Research - peer-review › Journal article – Annual report year: 2013

Biokatalysatorens vej til industrien
Publication: Research › Journal article – Annual report year: 2013

Miniaturized experimental toolbox for ω-transaminase technology (BIOINTENSE)
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2013

Miniaturized Experimental Toolbox for ω-Transaminase Technology (BIOINTENSE)
Publication: Research - peer-review › Poster – Annual report year: 2013

Towards effective biocatalytic process development using microreactor technology
Woodley, J., Heintz, S., Ringborg, R. H., Pereira Rosinha, I., Tufvesson, P., Krühne, U. & Gernaey, K. 2013
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2013

Using micro technology in process screening for improved ω-transaminases
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2013

Using micro technology in process screening for improved ω-transaminases
Publication: Research - peer-review › Poster – Annual report year: 2013

Projects:

Mastering bioprocess Integration and Intensification across scales
01/10/2012 → 02/12/2015
Project: PhD