Søren Kiil - DTU Orbit (07/09/2017)
Kiil, Søren
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Department of Chemical and Biochemical Engineering - Associate Professor
CHEC Research Centre
The Hempel Foundation Coatings Science and Technology Centre (CoaST)

Publications:

**Acid-resistant organic coatings for the chemical industry: a review**
Publication: Research - peer-review › Review – Annual report year: 2017

**Diffusion of surface-active amphiphiles in silicone-based fouling-release coatings**
Publication: Research - peer-review › Journal article – Annual report year: 2017

**Effect of Air Injection on Nucleation Rates: An Approach from Induction Time Statistics**
Publication: Research - peer-review › Journal article – Annual report year: 2017

**Field study of the long-term release of block copolymers from fouling-release coatings**
Publication: Research - peer-review › Journal article – Annual report year: 2017

**Mathematical modeling of pigment dispersion taking into account the full agglomerate particle size distribution**
Publication: Research - peer-review › Journal article – Annual report year: 2016

**Amphiphilic copolymers for fouling-release coatings**
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

**A Solvent-Free Base Liberation of a Tertiary Aminoalkyl Halide by Flow Chemistry**
Publication: Research - peer-review › Journal article – Annual report year: 2016

**Engineering model for intumescent coating behavior in a pilot-scale gas-fired furnace**
Publication: Research - peer-review › Journal article – Annual report year: 2016

**Experimental investigation of the behaviour and fate of block copolymers in fouling-release coatings**
Publication: Research › Ph.D. thesis – Annual report year: 2017

**Introduction to Applied Colloid and Surface Chemistry**
Publication: Education - peer-review › Book – Annual report year: 2016
Long-Term Stability of PEG-Based Antifouling Surfaces in a Marine Environment
Noguer, A. C., Kiil, S. & Hvilsted, S. 2016
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Long-term stability of PEG-based antifouling surfaces in seawater
Publication: Research - peer-review › Journal article – Annual report year: 2016

Effects of biofouling development on drag forces of hull coatings for ocean-going ships: a review
Publication: Research - peer-review › Journal article – Annual report year: 2015

Erosion of wind turbine blade coatings - Design and analysis of jet-based laboratory equipment for performance evaluation
Publication: Research - peer-review › Journal article – Annual report year: 2015

Estimation of long-term drag performance of fouling control coatings using an ocean-placed raft with multiple dynamic rotors
Publication: Research - peer-review › Journal article – Annual report year: 2015

Experimental investigation of coating degradation during simultaneous acid and erosive particle exposure
Møller, V. B., Dam-Johansen, K., Frankær, S. M. & Kill, S. 2015
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Fuel efficiency and fouling control coatings in maritime transport
Publication: Research › Ph.D. thesis – Annual report year: 2015

Isolerende maling baseret på partikler af aerogel
Kiil, S. 2015 In : Dansk Kemi. 96, 9, p. 20-23
Publication: Research › Journal article – Annual report year: 2015

Kinetic modeling of multi-component crystallization of industrial-grade oils and fats
Publication: Research - peer-review › Journal article – Annual report year: 2015

Quantitative analysis of silica aerogel-based thermal insulation coatings
Publication: Research - peer-review › Journal article – Annual report year: 2015

Quantitative Mapping of Mechanisms for Photoinitiated Coating Degradation
Publication: Research - peer-review › Book chapter – Annual report year: 2015

Rain erosion of wind turbine blade coatings using discrete water jets: Effects of water cushioning, substrate geometry, impact distance, and coating properties
Thermodynamic Modeling of Multi-phase Solid–Liquid Equilibria in Industrial-Grade Oils and Fats
Publication: Research - peer-review › Journal article – Annual report year: 2015

Use of Fillers, Pigments and Additives in Fouling-Release Coatings: a Literature Review
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Accelerated rain erosion of wind turbine blade coatings
Publication: Research › Ph.D. thesis – Annual report year: 2014

Design of Continuous Reactor Systems for API Production
Publication: Research › Ph.D. thesis – Annual report year: 2014

Diversity screening for novel enzymes degrading synthetic polymers
Publication: Research › Ph.D. thesis – Annual report year: 2015

Effects of foaming and antifoaming agents on the performance of a wet flue gas desulfurization pilot plant
Publication: Research - peer-review › Journal article – Annual report year: 2014

Investigation of an Intumescent Coating System in Pilot and Laboratory-scale Furnaces
Nørgaard, K. P., Dam-Johansen, K., Kiil, S. & Català, P. 2014 Technical University of Denmark, Department of Chemical and Biochemical Engineering. 140 p.
Publication: Research › Ph.D. thesis – Annual report year: 2014

Laboratory and gas-fired furnace performance tests of epoxy primers for intumescent coatings
Publication: Research - peer-review › Journal article – Annual report year: 2014

Maling som isoleringsmateriale?
Kiil, S. 2014 In : Dansk Kemi. 95, 3, p. 26-29
Publication: Research › Journal article – Annual report year: 2015

Mathematical Modeling of Vegetable-Oil Crystallization
Publication: Research › Ph.D. thesis – Annual report year: 2014

Model-based analysis of thermal insulation coatings
Kiil, S. 2014 In : Journal of Coatings Technology and Research. 11, 4, p. 495-507
Publication: Research - peer-review › Journal article – Annual report year: 2014

Offshore wind energy developments
Publication: Research - peer-review › Book chapter – Annual report year: 2014
Quantitative analysis of thermal insulation coatings
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Separation of Enantiomers by Preferential Crystallization: Mathematical Modeling of a Coupled Crystallizer Configuration
Publication: Research - peer-review › Journal article – Annual report year: 2014

Foaming in wet flue gas desulfurization plants: Laboratory-scale investigation of long-term performance of antifoaming agents
Publication: Research - peer-review › Journal article – Annual report year: 2013

Full-Scale Continuous Mini-Reactor Setup for Heterogeneous Grignard Alkylation of a Pharmaceutical Intermediate
Publication: Research - peer-review › Journal article – Annual report year: 2013

Investigation of char strength and expansion properties of an intumescent coating exposed to rapid heating rates
Publication: Research - peer-review › Journal article – Annual report year: 2013

Mathematical modeling of photoinitiated coating degradation: Effects of coating glass transition temperature and light stabilizers
Publication: Research - peer-review › Journal article – Annual report year: 2013

Separation of Chiral Active Pharmaceutical Ingredients: A First Step towards Continuous Preferential Crystallization in the Pharmaceutical Industry
Publication: Research › Ph.D. thesis – Annual report year: 2013

Separation of enantiomers by continuous preferential crystallization: Experimental realization using a coupled crystallizer configuration
Publication: Research - peer-review › Journal article – Annual report year: 2013

Simulering af fotoinitieret nedbrydning af maling
Publication: Research › Journal article – Annual report year: 2013

Stimuli-Adaptable Materials
Publication: Research › Ph.D. thesis – Annual report year: 2013

Acceleration of pharmaceutical production by using micro-reactor technology in a continuous mode
Publication: Research - peer-review › Paper – Annual report year: 2012

Active pharmaceutical ingredient (API) production involving continuous processes – A process system engineering (PSE)-assisted design framework
Continuous Hydrolysis and Liquid–Liquid Phase Separation of an Active Pharmaceutical Ingredient Intermediate Using a Miniscale Hydrophobic Membrane Separator

Design and operation of a filter reactor for continuous production of a selected pharmaceutical intermediate

Formulation studies on stability of solid-state proteases for detergent applications

Investigation of Parameters Affecting Gypsum Dewatering Properties in a Wet Flue Gas Desulphurization Pilot Plant

Lys, ilt og vands nedbrydning af maling
Kiil, S. 2012 In : Dansk Kemi. 93, 1-2, p. 25-29

Microcapsule-based self-healing anticorrosive coatings: Capsule size, coating formulation, and exposure testing

Model-based analysis of photoinitiated coating degradation under artificial exposure conditions
Kiil, S. 2012 In : Journal of Coatings Technology and Research. 9, 4, p. 375-398

Monitoring and Control of a Continuous Grignard Reaction for the Synthesis of an Active Pharmaceutical Ingredient Intermediate Using Inline NIR spectroscopy
Quantitative analysis of photoinitiated coating degradation
Kiil, S. 2012
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2012

Self-Healing anticorrosive coatings
Publication: Research › Ph.D. thesis – Annual report year: 2012

A systematic methodology for the design of continuous active pharmaceutical ingredient production processes
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

Cinnamic Acid Derivatised Poly(Ethylene Glycol) as a Bioinspired UV-Adaptable Material
Publication: Research › Conference abstract for conference – Annual report year: 2011

Fremstilling af UV-aktive polymerer
Publication: Research - peer-review › Journal article – Annual report year: 2012

Investigation of the gypsum quality at three full-scale wet flue gas desulphurisation plants
Publication: Research - peer-review › Journal article – Annual report year: 2011

Kontinuerlig lægemiddelproduktion af små molekyler via organisk syntese
Cervera Padrell, A. E., Skovby, T., Kiil, S. & Gernaey, K. 2011 In : Dansk Kemi. 92, 11, p. 18-20
Publication: Research - peer-review › Journal article – Annual report year: 2011

Moving from batch towards continuous organic-chemical pharmaceutical production
Publication: Research › Ph.D. thesis – Annual report year: 2012

Multi-scale experiments and simulation tools for optimisation of wet flue gas desulphurisation plants
Kiil, S. & Hansen, B. B. 2011 In : VGB PowerTech. 91, 3, p. 89-93
Publication: Research - peer-review › Journal article – Annual report year: 2011

Performance of a Wet Flue Gas Desulfurization Pilot Plant under Oxy-Fuel Conditions
Publication: Research - peer-review › Journal article – Annual report year: 2011

Performance of a wet Flue Gas Desulphurisation Pilot Plant under Oxy-fuel Conditions
Hansen, B. B. & Kiil, S. 2011
Synthesis of durable microcapsules for self-healing anticorrosive coatings: A comparison of selected methods

Teaching chemical product design to engineering students: course contents and challenges
Skov, A. L. & Kiil, S. 2011

The Effect of Substrate Topography on Coating Cathodic Delamination
Erik Weinell, C., Sørensen, P. A. & Kiil, S. 2011 In : Materials Performance. 50, 10, p. 32-36

UV-initierede "smart materials"
Frankær, S. M. G., Skov, A. L. & Kiil, S. 2011

Våd røggasafsvovling under oxy-fuel betingelser
Hansen, B. B. & Kiil, S. 2011 In : Dansk Kemi. 92, 4, p. 22-25

High-Performance Anticorrosive Coatings

Antifouling effect of hydrogen peroxide release from enzymatic marine coatings: Exposure testing under equatorial and Mediterranean conditions

A passive apparatus for controlled-flux delivery of biocides: hydrogen peroxide as an example

Cathodic delamination of seawater-immersed anticorrosive coatings: Mapping of parameters affecting the rate

Cathodic delamination: Quantification of ionic transport rates along coating-steel interfaces

Cathodic delamination: Quantification of ionic transport rates along coating-steel interfaces

Continuous Production of Pharmaceuticals
Christensen, K. M., Pedersen, M. J., Kiil, S., Dam-Johansen, K., Skovby, T. & Holm, T. L. 2010

Design of Continuous Processes for Organic-Synthesis Based Production of Active Pharmaceutical Ingredients - a Methodology
Cervera Padrell, A. E., Gernaey, K., Gani, R., Kiil, S. & Skovby, T. 2010
Development of epoxy-based self-healing anticorrosive coating
Nesterova, T., Pedersen, L. T., Dam-Johansen, K. & Kiil, S. 2010

Mathematical modeling of simultaneous solvent evaporation and chemical curing in thermoset coating.
Kiil, S. 2010

Moving from batch toward continuous organic-chemical pharmaceutical production
Cervera Padrell, A. E., Gernaey, K., Gani, R., Kiil, S. & Skovby, T. 2010 

Quantification of simultaneous solvent evaporation and chemical curing in thermoset coatings

Reduction of cathodic delamination rates of anticorrosive coatings using free radical scavengers

Replacement of traditional seawater-soluble pigments by starch and hydrolytic enzymes in polishing antifouling coatings

Solventafdamning, kemisk reaktion og netværksdannelse i en og samme maling
Kiil, S. 2010 In : Dansk Kemi. 10, p. 16-20

Stability of Enzymes in Granular Enzyme Products for Laundry Detergents

Synthesis of durable microcapsules for self-healing anticorrosive coatings

Synthesis of durable microcapsules for self-healing anticorrosive coatings.
Nesterova, T., Kiil, S. & Dam-Johansen, K. 2010

Controlled release of environmentally friendly antifouling agents from marine coatings
Anticorrosive coatings: a review
Publication: Research - peer-review › Journal article – Annual report year: 2009

Cathodic delamination: Quantification of ionic transport rates along coating-steel interfaces
Publication: Research - peer-review › Article in proceedings – Annual report year: 2009

Design of controlled release systems for antifouling coatings
Kill, S. 2009
Publication: Research › Paper – Annual report year: 2009

Effektive korrosionshindrende malinger
Publication: Research - peer-review › Journal article – Annual report year: 2009

Inactivation of a solid-state detergent protease by hydrogen peroxide vapor and humidity
Publication: Research - peer-review › Journal article – Annual report year: 2009

Influence of substrate topography on cathodic delamination of anticorrosive coatings
Publication: Research - peer-review › Journal article – Annual report year: 2009

Inorganic precursor peroxides for antifouling coatings
Publication: Research - peer-review › Journal article – Annual report year: 2009

Modelling the design and optimization of chemically active marine antifouling coatings, advances in marine antifouling coatings and technologies
Publication: Research - peer-review › Book – Annual report year: 2009

Moving From Batch towards Continuous Organic-Chemical Pharmaceutical Production
Cervera Padrell, A. E., Skovby, T., Kill, S., Gani, R. & Gernaey, K. 2009
Publication: Research › Sound/Visual production (digital) – Annual report year: 2009

Quantification of gypsum crystal nucleation, growth, and breakage rates in a wet flue gas desulfurization pilot plant
Publication: Research - peer-review › Journal article – Annual report year: 2009

Spray Drying of Suspensions for Pharma and Bio Products: Drying Kinetics and Morphology
Publication: Research - peer-review › Journal article – Annual report year: 2009

Crystallisation of Gypsum and Prevention of Foaming In Wet Flue Gas Desulphurisation (FGD) Plants
Publication: Research › Ph.D. thesis – Annual report year: 2008

Process development of enzyme catalysed industrial production of partial acylglycerols
Publication: Research › Ph.D. thesis – Annual report year: 2008
Enzyme Degradation during Spray Drying
Publication: Research - peer-review › Article in proceedings – Annual report year: 2007

Gypsum crystal degradation in wet Flue Gas Desulphurisation (FGD) Plants
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2007

Marine Fouling and Antifouling, a Literature Survey
Publication: Research › Report – Annual report year: 2007

Process development of continuous glycerolysis in an immobilized enzyme-packed reactor for industrial monoacylglycerol production
Damstrup, M., Kiil, S., Jensen, A. D., Sparso, F. V. & Xu, X. B. 2007 In : Journal of Agricultural and Food Chemistry. 55, 19, p. 7786-7792
Publication: Research - peer-review › Journal article – Annual report year: 2007

Teaching and Learning in Chemical Product Engineering - an Evolving par of the Chemical Engineering Curriculum
Publication: Research - peer-review › Article in proceedings – Annual report year: 2007

Mathematical Modelling and Experimental Investigation of Full-scale Gypsum Producing Wet Flue Gas Desulphurisation
Publication: Research › Ph.D. thesis – Annual report year: 2006

Accelerated Optimisation of Chemically-Active of Paint Products
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2006

Antifouling Paint Containing Enzymes as Active Antifoulant
Publication: Research › Conference abstract for conference – Annual report year: 2006

Dissolution rate measurements of sea water soluble pigments for antifouling paints: ZnO
Publication: Research - peer-review › Journal article – Annual report year: 2006

Drying of latex films and coatings: Reconsidering the fundamental mechanisms
Publication: Research - peer-review › Journal article – Annual report year: 2006

Effect of Solvents on the Product Distribution and Reaction Rate of a Buchwald-Hartwig Amination Reaction
Christensen, H., Kiil, S., Dam-Johansen, K., Nielsen, O. & Sommer, M. B. 2006 In : Organic Process Research and Development. 10, 4, p. 762-769
Publication: Research - peer-review › Journal article – Annual report year: 2006

Effects of marine microbial biofilms on the biocide release rate from antifouling paints – A model-based analysis
Publication: Research - peer-review › Journal article – Annual report year: 2006

Efficient monoacylglycerol processing by enzymatic glycerolysis in organic media: -Evaluation of immobilized Candida antartica lipase B behavior
Enzymes in Antifouling Coatings, a review
Publication: Research › Conference abstract for conference – Annual report year: 2006

Evaluation of Binary Solvent Mixtures for Efficient Monoacylglycerol Production by Continuous Enzymatic Glycerolysis
Damstrup, M., Abildskov, J., Kil, S., Jensen, A., Sparsø, F. V. & Xu, X. 2006 In : Journal of Agricultural and Food Chemistry. 54, 19, p. 7113-7119
Publication: Research - peer-review › Journal article – Annual report year: 2006

Formation of Enzyme Containing Granules by Spray Drying
Sloth, J., Kil, S., Jensen, A. D. & Bach, P. 2006
Publication: Research › Conference abstract for conference – Annual report year: 2006

Gypsum Crystallisation in Wet Flue Gas Desulphurisation (FGD)
Hansen, B. B., Kil, S. & Johnsson, J. E. 2006
Publication: Research › Poster – Annual report year: 2006

Målinger i absorptionskolonnen på Asnæsværket
Publication: Research › Journal article – Annual report year: 2006

Marine biofouling protection: design of controlled release antifouling paints, in Chemical Product Design: toward a perspective through case stories
Publication: Research - peer-review › Book chapter – Annual report year: 2006

Mathematical Modeling of Tin-Free Chemically-Active Antifouling Paint Behavior
Publication: Research - peer-review › Journal article – Annual report year: 2006

Model based analysis of the drying of a single solution droplet in an ultrasonic levitator
Sloth, J., Kil, S., Jensen, A., Andersen, S. K., Jørgensen, K., Schiffter, H. & Lee, G. 2006 In : Chemical Engineering Science. 61, 8, p. 2701-2709
Publication: Research - peer-review › Journal article – Annual report year: 2006

Novel Non-Aqueous Acrylic Nanodispersions in Controlled-Release Self-Polishing Antifouling Paints
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2006

Presence and effects of marine microbial biofilms on biocide-based antifouling paints
Publication: Research - peer-review › Journal article – Annual report year: 2006
Production of Heat Sensitive Monoacylglycerols by Enzymatic Glycerolysis in Tert-pentanol: Process Optimization by Response Surface Methodology
Publication: Research › Journal article – Annual report year: 2006

Scale Up of Pharmaceutical Production of Organic Chemical Compounds
Christensen, H., Kill, S., Dam-Johansen, K., Nielsen, O. & Sommer, M. B. 2006
Publication: Research › Conference abstract for conference – Annual report year: 2006

Spraytørring ved fremstilling af enzymholdige partikler
Publication: Research › Journal article – Annual report year: 2006

Determination of inactivation mechanism of enzymes in laundry detergents
Publication: Research › Conference abstract in journal – Annual report year: 2005

Enzymatisk produktion af monoglycerider
Publication: Research › Journal article – Annual report year: 2005

Enzymatisk produktion af monoglycerider
Publication: Communication › Journal article – Annual report year: 2005

Experimental investigation of the degradation rate of adipic acid in wet flue gas desulphurisation plants
Publication: Research › Journal article – Annual report year: 2005

Reaction rate estimation of controlled-release antifouling paint binders: Rosin-based systems
Publication: Research - peer-review › Journal article – Annual report year: 2005

Solvent Optimization for Efficient Enzymatic Monoacylglycerol Production Based on a Glycerolysis Reaction
Publication: Research › Journal article – Annual report year: 2005

Antifouling technology-past, present and future steps towards efficient and environmentally friendly antifouling coatings
Publication: Research - peer-review › Review – Annual report year: 2004

Forskningscentret CHEC
Publication: Research › Journal article – Annual report year: 2004

Full-scale measurements of SO2 gas phase concentrations and slurry compositions in a wet flue gas desulphurisation spray absorber
Publication: Research - peer-review › Journal article – Annual report year: 2004
Chemical Product Design - A new multidisciplinary teaching and research activity at Institut for Kemiteknik
Publication: Research › Conference abstract in proceedings – Annual report year: 2003

Chemical product engineering of antifouling paints using mathematical modeling
Kiil, S. 2003 7th International Conference on Chemical Engineering, Granada.
Publication: Research › Conference abstract in proceedings – Annual report year: 2003

Controlled drug delivery from swellable hydroxypropylmethylcellulose matrices: model-based analysis of observed radial front movements
Kiil, S. & Dam-Johansen, K. 2003 In : Journal of controlled release. 90, 0, p. 1-21
Publication: Research - peer-review › Journal article – Annual report year: 2003

Estimation of Polishing and Leaching Behaviour of Antifouling Paints Using Mathematical Modelling: a Literature Review
Publication: Research - peer-review › Journal article – Annual report year: 2003

Experimental investigation of a pilot-scale jet bubbling reactor for wet flue gas desulphurisation
Publication: Research - peer-review › Journal article – Annual report year: 2003

Experimental Study of Drag Resistance using a Laboratory Scale Rotary Set-Up
Publication: Research - peer-review › Journal article – Annual report year: 2003

Dynamic simulations of a self-polishing antifouling paint exposed to seawater
Publication: Research - peer-review › Journal article – Annual report year: 2002

Erratum: Dynamic simulations of a self-polishing antifouling paint exposed to seawater
Publication: Research › Journal article – Annual report year: 2002

Mathematical modelling of a self-polishing antifouling paint exposed to seawater: A parameter study
Kiil, S., Pedersen, M. S., Dam-Johansen, K. & Erik Weinell, C. 2002 In : Chemical Engineering Research & Design. 80, 0, p. 45-52
Publication: Research - peer-review › Journal article – Annual report year: 2002

Seawater-Soluble Pigments and Their Potential Use in Self-Polishing Antifouling Paints: Simulation-based Screening Tool
Publication: Research › Journal article – Annual report year: 2002

Simulation studies of the influence of HCl absorption on the performance of a wet flue gas desulphurisation pilot plant
Publication: Research - peer-review › Journal article – Annual report year: 2002

Use of spray dry absorption product in wet flue gas desulphurisation plants: pilot-scale experiments
Publication: Research - peer-review › Journal article – Annual report year: 2002
Mass transfer in wetted-wall columns: correlations at high Reynolds numbers
Publication: Research - peer-review › Journal article – Annual report year: 1998

Solution of adsorption problems involving steep moving profiles
Publication: Research - peer-review › Journal article – Annual report year: 1998

Wet Flue Gas Desulphurisation and New Fuels
Publication: Research - peer-review › Report – Annual report year: 1998

Modelling of wet FGD Pilot Plant
Publication: Research - peer-review › Report – Annual report year: 1997

Full-scale co-firing of straw and coal
Publication: Research - peer-review › Journal article – Annual report year: 1996

Modelling of catalytic oxidation of NH3 and reduction of NO on limestone during sulphur capture
Publication: Research - peer-review › Journal article – Annual report year: 1996

Solution of transient problems with steep gradients: novel front-tracking strategy
Publication: Research - peer-review › Journal article – Annual report year: 1995

Projects:

UV degradation and interlayer adhesion loss
Wang, T., Kill, S., Dam-Johansen, K. & Erik Weinell, C.
01/09/2017 → 31/08/2020
Project: PhD

Coatings for high pressure and high temperature
Ferrero, G., Kill, S., Dam-Johansen, K. & Erik Weinell, C.
15/08/2017 → 14/08/2020
Project: PhD

Novel testing methods for intumescent coating
Zeng, Y., Kill, S. & Dam-Johansen, K.
15/10/2016 → 14/10/2019
Project: PhD

Understanding Sulphuric Acid Accumulation in Lube oil in Diesel Engines
Lejre, K. H., Kill, S., Fosbøl, P. L. & Glarborg, P.
01/10/2015 → 30/09/2018
Project: PhD

Low friction non-fouling coatings for high fuel efficiency at reduced speed
Wang, X., Kill, S., Dam-Johansen, K. & Tullberg, M.
01/08/2015 → 31/07/2018
Project: PhD

Sulcor - Securing Corrosion Free Conditions
Nielsen, H. L., Fosbøl, P. L., Glarborg, P., Kiil, S. & Thomsen, K.
01/07/2015 → 30/06/2018
Project: PhD

Anti-stick coatings in the cement and mineral industries
Mørk, K. S., Kill, S., Dam-Johansen, K. & Sivebæk, I. M.
01/03/2015 → 31/08/2016
Project: PhD

Continuous crystallization and filtration of Active Pharmaceutical Ingredients and Intermediates for pharmaceutical production
Capellades Mendez, G., Kill, S., Christensen, T. V., Dam-Johansen, K. & Mealy, M. J.
15/09/2014 → 14/09/2017
Project: PhD

Protective Coatings in the Cement and Mineral Industry
Møller, V. B., Kill, S. & Dam-Johansen, K.
15/08/2014 → 02/10/2017
Project: PhD

Continuous crystallization and filtration in production of pharmaceuticals
Visan, A., Kill, S. & Dam-Johansen, K.
15/12/2013 → 07/02/2014
Project: PhD

Design of hydrophilic polymers for activated non-fouling coatings
01/12/2013 → 15/03/2017
Project: PhD

Fuel Efficiency and Fouling Control Coatings in Maritime Transport
01/12/2011 → 30/09/2015
Project: PhD

Wind Turbine Blade Coatings with Anti-Erosion Properties
01/09/2011 → 26/11/2014
Project: PhD

Development of new materials for dielectric electroactive polymers as actuators and generators
Madsen, F. B., Skov, A. L., Daugaard, A. E., Hvilsted, S., Kill, S., Brook, M. A. & Graz, I. M.
15/08/2011 → 26/11/2014
Project: PhD

Design of continuous reactor systems for API production
01/08/2011 → 17/12/2014
Project: PhD

Mathematical Modelling of vegetable oil crystallisation
Hjorth, J. L., Kill, S., Dam-Johansen, K., Leth-Miller, R., Abildskov, J., Flöter, E. & Schafer, O.
Diversity screening for novel enzymes degrading synthetic polymers
Project: PhD

Design and testing of robust and efficient fire-retardant coatings
Project: PhD

Analysis and Quantification of Foaming Phenomena in Wet Flue Gas Desulphurization Plants
Project: PhD

Processes for Low CO2 Emissions
Project: PhD

Separation of Chiral Active Pharmaceutical Ingredients: A First Step Towards Continuous Preferential Crystallization in the Pharmaceutical Industry
Project: PhD

Stimuli-Adaptable Materials
Project: PhD

Self-Healing anticorrosive coatings
Project: PhD

Moving from batch towards continuous organic-chemical pharmaceutical production
Project: PhD

High-Performance Anticorrosive Coatings
Project: PhD

Controlled Release of Environmentally Friendly Antifouling Agents from Marine Coatings
Project: PhD

Gypsum Crystallisation and Foaming Prevention in Wet Flue Gas Desulphurization (FGD) Plants
Hansen, B. B., Kill, S., Johnsson, J. E., Wedel, S., Karlsson, H. T. & Kristensen, N.
Influence of Formulation in Formation of Enzyme Granules by Spray Drying
01/09/2004 → 28/01/2007
Project: PhD

Produktion af lægemidler
Christensen, H., Kiil, S., Dam-Johansen, K., Nielsen, O., Gernaey, K. V., Buchwald, S. L. & Dancer, R. J.
01/09/2004 → 25/02/2008
Project: PhD

Emission fra cement produktion
01/02/2004 → 30/04/2007
Project: PhD

Process Development for the Enzymatic Production of Partial Acylglycerol
01/11/2003 → 27/10/2008
Project: PhD

Stability of Enzymes in Granular Enzyme Products for Laundry Detergents
Biran, S., Jensen, A. D., Bach, P., Kiil, S., Simonsen, O., Mikkelsen, J. D., Cedervall, T. & Hansen, T. T.
01/09/2003 → 01/09/2010
Project: PhD

Efficient and environmentally friendly antifouling paints
01/05/2002 → 30/09/2005
Project: PhD

Modellering af gipsproducerede røggasafsvovlingsanlæg
01/10/1999 → ...
Project: PhD

Alternative metoder til energieffektive stofadskillelser
Eden, M. R., Jørgensen, S. B., Gani, R., Kill, S., Cordiner, J. & Kraslawski, A.
01/06/1999 → 21/12/2003
Project: PhD

Våd Røggasafvilling
Kiil, S., Michelsen, M. L., Lading, S. B. & Villadsen, J.
01/08/1995 → 17/07/1998
Project: PhD

CHEC
10/01/1986 → ...
Project