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Mechanism and modeling of the formation of gaseous alkali sulfates
Publication: Research - peer-review › Journal article – Annual report year: 2005

Mechanisms of NO Formation and reduction in fixed-bed combustion of straw
Publication: Research › Report – Annual report year: 2005
Numerical modeling of straw combustion in a fixed bed
Publication: Research - peer-review › Journal article – Annual report year: 2005

Propargyl Recombination: Estimation of the High Temperature, Low Pressure Rate Constant from Flame Measurements
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Publication: Research - peer-review › Journal article – Annual report year: 2004

Publication: Research - peer-review › Report – Annual report year: 2004

Experimental and Modeling Study of Biomass Reburning
Publication: Research - peer-review › Journal article – Annual report year: 2004

Formation of polycyclic aromatic hydrocarbons and soot in fuel-rich oxidation of methane in a laminar flow reactor
Publication: Research - peer-review › Journal article – Annual report year: 2004

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

Numerical modeling of Straw Combustion in a Fixed bed
Publication: Research - peer-review › Report – Annual report year: 2004

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Skjøth-Rasmussen, M. S., Holm-Chirstensen, O., Østberg, M., Christensen, T. S., Johannessen, T., Jensen, A. & Glarborg, P. 2004 In : Computers & Chemical Engineering. 28, p. 2351-2361
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Publication: Research - peer-review › Journal article – Annual report year: 2004

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Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2004

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Publication: Research - peer-review › Report – Annual report year: 2004
The selective non-catalytic reduction of NO with ammonia at high oxygen concentration
Publication: Research - peer-review › Report – Annual report year: 2004

A kinetic issue in reburning: The fate of HCNO
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Publication: Research - peer-review › Journal article – Annual report year: 2003

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Publication: Research - peer-review › Journal article – Annual report year: 2003

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Publication: Research - peer-review › Journal article – Annual report year: 2003

Chemically Reacting Flow: Theory & Practice
Publication: Research - peer-review › Book – Annual report year: 2003

Chemically Reacting Flow, Theory and Practice
Publication: Research - peer-review › Book – Annual report year: 2004

Design Concept to Reduce Fuel NOx in Catalytic Combustion of Gasified Biomass
Publication: Research - peer-review › Journal article – Annual report year: 2003

Development of a Procedure to Apply Detailed Chemical Kinetic Mechanisms to CFD Simulations as Post Processing
Publication: Research › Conference abstract in proceedings – Annual report year: 2001

Experimental and Kinetic Modeling Study of the Effect of NO and SO2 on the Oxidation of CO-H2 Mixtures
Publication: Research - peer-review › Journal article – Annual report year: 2003

Experimental investigation and modelling of heat capacity, heat of fusion and melting interval of rocks
Publication: Research - peer-review › Journal article – Annual report year: 2003

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Publication: Research - peer-review › Journal article – Annual report year: 2003

Fuel nitrogen conversion in solid fuel fired systems
Branching Fraction of the NH2+NO Reaction between 1210 and 1370 K.
Publication: Research › Journal article – Annual report year: 1997

Chemometric Analysis of a Detailed Chemical Reaction Mechanism for Methane Oxidation
Publication: Research › Article in proceedings – Annual report year: 1997

Influence of Process Parameters on Nitrogen Oxide Formation in
Publication: Research › Journal article – Annual report year: 1997

Kinetic NOx Modelling and Experimental Results from Single Wood Particle Combustion
Publication: Research › Journal article – Annual report year: 1997

Laboratory Study of the CO/NH3/N2O/O2 System: Implications for Hybrid Reburn/SNCR Strategies
Publication: Research › Journal article – Annual report year: 1997

Low Temperature Gas Reburning: NOx Reduction Potential and Effects of Mixing
Publication: Research › Journal article – Annual report year: 1997

Low Temperature Interactions between Hydrocarbons and Nitric Oxide: An Experimental Study.
Publication: Research › Journal article – Annual report year: 1997

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Publication: Research › Report – Annual report year: 1997

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Publication: Research › Journal article – Annual report year: 1997

Combustion Chemistry - Activities in the CHEC Research Programme: Separate print from Power Plant Chemical Technology International Conference
Publication: Research › Report – Annual report year: 1996

Impact of SO2 and NO on CO Oxidation under Post-Flame Conditions
Publication: Research › Journal article – Annual report year: 1996
Interactions of CO, NOx and H2O under Post-flame Conditions
Publication: Research - peer-review › Journal article – Annual report year: 1996

Modeling of Chemical Reactions in Afterburning for the Reduction of N2O
Publication: Research - peer-review › Journal article – Annual report year: 1996

Modeling the Formation of N2O and NO2 in the Thermal De-NOx Process
Miller, J. A. & Glarborg, P. 1996 In : Springer Series in Chemical Physics. 61, p. 318-333
Publication: Research - peer-review › Journal article – Annual report year: 1996

Modeling the Formation of N2O and NO2 in the Thermal DE-NOx Process
Publication: Research › Article in proceedings – Annual report year: 1996

Nitrogen Chemistry During Burnout in Fuel-Staged Combustion
Publication: Research - peer-review › Journal article – Annual report year: 1996

Nitrous Oxide Emissions Control by Reburning
Publication: Research - peer-review › Journal article – Annual report year: 1996

Pressure Effects on the Thermal De-NOx Process
Publication: Research › Conference article – Annual report year: 1996

Projects:

Air-pollutant sensor system for wood sloves
Du, Y., Glarborg, P., Clausen, S. & Illerup, J. B. 01/09/2017 → 31/08/2020
Project: PhD

Alternative liquid fuels in burners optimized for low NOx emissions and high burn out
Cafaggi, G., Jensen, P. A., Dam-Johansen, K. & Glarborg, P. 01/01/2017 → 31/12/2019
Project: PhD

Catalytic Oxidation of CH4
Zhang, Y., Glarborg, P., Christensen, J. M. & Jensen, A. D. 01/09/2016 → 31/08/2019
Project: PhD

Computational Fluid Dynamics (CFD) Study of Bio-Dust Combustion
Leth-Espensen, A., Glarborg, P., Dam-Johansen, K. & Jensen, P. A. 01/05/2016 → 30/04/2019
Project: PhD
Biomass Particle ignition in mill equipment
Schwarzer, L., Jensen, P. A., Dam-Johansen, K., Glarborg, P. & Holm, J. K.
15/12/2015 → 14/01/2019
Project: PhD

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

Multiphase flow and fuel conversion in cement calciner
Nakhaei, M., Dam-Johansen, K., Glarborg, P., Grevain, D., Jensen, L. S. & Wu, H.
15/05/2015 → 14/05/2018
Project: PhD

NOx reduction in grate-firing solid waste power plants
Jepsen, M. S., Glarborg, P., Jensen, P. A. & Norman, T.
15/12/2014 → 14/12/2017
Project: PhD

Prediction of Deposit Formation in Biomass Fired Suspension Boilers - Gaining fundamental Data needed for Mechanistic Deposit Modelling
Laxminarayan, Y., Jensen, P. A., Jappe Frandsen, F., Glarborg, P. & Glarborg, P.
15/10/2014 → 14/10/2017
Project: PhD

Using Coal Ash and other Additives in Suspension Fired Biomass Power Plant Boilers using Coal Ash and other Additives in Suspension Fired Biomass Power plant Boilers
01/10/2014 → 15/11/2017
Project: PhD

Single Biomass Particle Combustion and Fuel Characterization
01/04/2012 → 18/08/2016
Project: PhD

In-Optics Humidity Compensation of NDIR Measurements for Combustion Emission Gas Sensing and Analysis
Stolberg-Rohr, T. K., Clausen, S., Glarborg, P., Skov Hansen, R., Lindvold, L. R., Fabricius, H. & Li, Z.
15/02/2012 → 16/12/2015
Project: PhD

Alternative Fuels in Cement Production
01/09/2011 → 17/12/2014
Project: PhD

Power plant burners for biodust combustion
01/09/2011 → 20/04/2016
Project: PhD
Ash Chemistry in Circulating Fluidized Bed
01/07/2011 → 24/06/2016
Project: PhD

Combustion Characterization of Bio-derived Fuels and Additives
Hashemi, H., Glarborg, P., Christensen, J. M., Hansen, B. B., Alzueta, M. & Kristensen, P. G.
01/05/2011 → 13/05/2015
Project: PhD

Model for deposition build-up in biomass boilers
01/01/2010 → 22/02/2016
Project: PhD

Optical Tomography in Combustion
01/04/2009 → 21/05/2013
Project: PhD

Brændselbefeksible brændere til cement- og mineralindustri
01/01/2009 → 17/12/2012
Project: PhD

Computer-aided modelling for efficient and innovative product-process engineering
Heitzig, M., Gani, R., Glarborg, P., Sin, G., Gernaey, K. V., Piccione, P. M. & Pistikopoulos, S.
01/12/2008 → 18/04/2012
Project: PhD

Characterization and quantification of deposits build up and removal in straw suspension fired boilers
Shafique Bashir, M., Dam-Johansen, K., Jappe Frandsen, F., Jensen, P. A., Wedel, S., Glarborg, P., Jensen, J. P. & Tran, H.
01/09/2008 → 30/09/2012
Project: PhD

Rotérovndesign til maksimal brug af alternative brændsler i cement- og mineralindustri
01/04/2008 → 08/02/2012
Project: PhD

Co-Combustion of Fossil Fuels and Waste
Wu, H., Glarborg, P., Dam-Johansen, K., Jappe Frandsen, F., Leckner, B., Hupa, M. & Hustad, J. E.
01/11/2007 → 21/09/2011
Project: PhD

Oxy-fuel forbrænding af kul og biomasse
01/04/2007 → 24/08/2011
Project: PhD

NO Formation and destruction in the freeboard of Grate Boilers: CFD Model Development and Verification by Bench Scale Measurements
01/04/2006 → 01/09/2010
Project: PhD

In-Situ undersøgelser af forbrændingsprocesser i store to-takts dieselmotorer
01/03/2006 → 17/03/2010
Project: PhD

Particle Formation in Natural Gas Combustion
Wagner, A. Y., Glarborg, P., Kristensen, P. G., Livbjerg, H., Jappe Frandsen, F., Bohgard, M. & Skjæth-Rasmussen, M. S.
15/08/2005 → 01/04/2009
Project: PhD

Reactivity and Burnout of Wood Fuels
01/12/2004 → 14/12/2011
Project: PhD

Modellering af varmefrigivelse og emissioner fra dråbeforbrænding af multikomponentbrændstof i dieselmotorer
01/08/2004 → 06/01/2010
Project: PhD

Partial Oxidation of Natural Gas to Liquid Fuels
Rasmussen, C. L., Glarborg, P., Villadsen, J., Alzueta, M. & Østberg, M.
15/02/2004 → 26/10/2007
Project: PhD

Forbrændingsmekanismer ved udnyttelse af affald som brændsel i cementproduktion
01/10/2003 → 30/04/2007
Project: PhD

Laboratorieundersøgelse af aerosoldannelse og kemiske reaktioner i røggas fra biomasse- og affaldsforbrænding
Zeuthen, F. J., Livbjerg, H., Jappe Frandsen, F., Glarborg, P., Johnsson, J. E., Ballester, J. & Pedersen, L. S.
01/10/2003 → 20/06/2007
Project: PhD

Gas-phase Sulfur, Chlorine and Alkali Metal Chemistry in Biomass Combustion
Løj, L. H., Glarborg, P., Jappe Frandsen, F., Livbjerg, H., Jensen, P. A., Hupa, M. & Kristensen, P. G.
01/09/2003 → 03/09/2007
Project: PhD

Release of inorganic metal species, sulfur and chlorine during biomass combustion on a grate
01/01/2002 → 24/01/2006
Project: PhD

Modellering af soddannelse
01/11/1999 → ...
Project: PhD
Development of a Mathematical Model for Simulation, Design and Control of a Cupola Furnace
01/04/1999 → …
Project: PhD

Engineering model of natural gas reburning
Schmidt, L. M., Glarborg, P., Jensen, A. D., Rasmussen, N. B. K., Johnsson, J. E., Hupa, M. & Østberg, M.
01/01/1999 → …
Project: PhD

Engineering model of natural gas reburning
Jensen, A. D. & Glarborg, P.
01/01/1999 → 31/12/2000
Project

Kulbrinteemmisioner fra naturgasmotorer
01/06/1998 → 24/05/2002
Project: PhD

Emission af kulbrinter fra lean.brun gasmotorer
Bendtsen, A. B., Dam-Johansen, K., Glarborg, P. & Martens, H.
01/08/1996 → …
Project: PhD

Reduktion af Nox fra kalcinatorsystemer
01/03/1996 → …
Project: PhD

Lean Burn Engines - Emission Reduction.
Dam-Johansen, K., Bendtsen, A. B., Glarborg, P. & Hansen, J.
01/01/1996 → 31/12/1998
Project

Multichannel Reactions and Kinetic Modeling of Combustion Processes
Glarborg, P., Dam-Johansen, K. & Hansen, J.
01/08/1994 → 01/08/1997
Project

Models for Pulverized Coal and Fluidized Bed Combustors
Lans, R. P. V. D., Dam-Johansen, K., Glarborg, P. & Hupa, M.
01/12/1993 → 11/09/1997
Project: PhD

Low Temperature Nitrogen Chemistry
Glarborg, P., Dam-Johansen, K. & Hansen, J.
01/07/1993 → 30/06/1996
Project

Combustion and Harmful Emission Control
01/01/1993 → 31/12/1997
Project