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Publications:

Elasticity and electrical resistivity of chalk and greensand during water flooding with selective ions
Publication: Research - peer-review › Journal article – Annual report year: 2018

Influence of Adsorption and Capillary Pressure on Phase Equilibria Inside Shale Reservoirs
Publication: Research - peer-review › Journal article – Annual report year: 2018

Calculation of Multiphase Chemical Equilibrium by the Modified RAND Method
Publication: Research - peer-review › Journal article – Annual report year: 2017

Calculation of simultaneous chemical and phase equilibrium by the method of Lagrange multipliers
Publication: Research - peer-review › Journal article – Annual report year: 2017

Comparison of GERG-2008 and simpler EoS models in calculation of phase equilibrium and physical properties of natural gas related systems
Publication: Research - peer-review › Journal article – Annual report year: 2016

Density and Compressibility of Multicomponent n-Alkane Mixtures up to 463 K and 140 MPa
Publication: Research - peer-review › Journal article – Annual report year: 2017

Determination of Zinc Sulfide Solubility to High Temperatures
Publication: Research - peer-review › Journal article – Annual report year: 2017

Electrical Double-Layer and Ion Bridging Forces between Symmetric and Asymmetric Charged Surfaces in the Presence of Mono- and Divalent Ions
Publication: Research - peer-review › Journal article – Annual report year: 2017

Extension of modified RAND to multiphase flash specifications based on state functions other than (T,P)
Publication: Research - peer-review › Journal article – Annual report year: 2017

Flooding of North Sea chalk and greensand cores with specific brines
Publication: Research - peer-review › Poster – Annual report year: 2017

General approach to characterizing reservoir fluids for EoS models using a large PVT database
Publication: Research - peer-review › Journal article – Annual report year: 2016
Heat capacity and Joule-Thomson coefficient of selected n-alkanes at 0.1 and 10 MPa in broad temperature ranges
Publication: Research - peer-review › Journal article – Annual report year: 2017

High pressure phase equilibrium of ternary and multicomponent alkane mixtures in the temperature range from (283–473) K
Publication: Research - peer-review › Journal article – Annual report year: 2017

Microfabricated Nanofluidic cells for in situ liquid TEM
Publication: Research › Ph.D. thesis – Annual report year: 2017

Modeling of Shale Gas Adsorption and its Influence on Phase Equilibrium
Publication: Research - peer-review › Journal article – Annual report year: 2017

Modeling Study of High Pressure and High Temperature Reservoir Fluids
Publication: Research › Ph.D. thesis – Annual report year: 2017

Phase Equilibrium Modeling for Shale Production Simulation
Publication: Research › Ph.D. thesis – Annual report year: 2017

Thermodynamic Analysis of Chalk–Brine–Oil Interactions
Publication: Research - peer-review › Journal article – Annual report year: 2017

Thermodynamic modelling of acid gas removal from natural gas using the Extended UNIQUAC model
Publication: Research - peer-review › Journal article – Annual report year: 2017

Density and phase equilibrium of the binary system methane + n-decane under high temperatures and pressures
Publication: Research - peer-review › Journal article – Annual report year: 2016

General Approach to Characterize Reservoir Fluids Using a Large PVT Database
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Release of Crude Oil from Silica and Calcium Carbonate Surfaces: On the Alternation of Surface and Molecular Forces by High- and Low-Salinity Aqueous Salt Solutions
Publication: Research - peer-review › Journal article – Annual report year: 2016

The Phase Envelope of Multicomponent Mixtures in the Presence of a Capillary Pressure Difference
Publication: Research - peer-review › Journal article – Annual report year: 2016

Densities of the Binary Systems n-Hexane + n-Decane and n-Hexane + n-Hexadecane up to 60 MPa and 463 K
Publication: Research - peer-review › Journal article – Annual report year: 2015

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Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

PVT modeling of reservoir fluids using PC-SAFT EoS and Soave-BWR EoS
Publication: Research - peer-review › Journal article – Annual report year: 2015

Thermodynamic modeling of CO₂ absorption in aqueous N-Methyldiethanolamine using Extended UNIQUAC model
Publication: Research - peer-review › Journal article – Annual report year: 2015
Thermodynamic modeling of hydrogen sulfide absorption by aqueous N-methyldiethanolamine using the Extended UNIQUAC model
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Publication: Research - peer-review › Journal article – Annual report year: 2014

Distribution of gas hydrate inhibitor monoethylene glycol in condensate and water systems: Experimental measurement and thermodynamic modeling using the cubic-plus-association equation of state
Publication: Research - peer-review › Journal article – Annual report year: 2014

Negative Flash for Calculating the Intersecting Key Tie lines in Multicomponent Gas Injection
Publication: Research - peer-review › Journal article – Annual report year: 2014

On solving the Rachford-Rice equation with higher order methods
Publication: Research - peer-review › Journal article – Annual report year: 2014

Acid Gas Removal from Natural Gas with Alkanolamines: A Modeling and Experimental Study
Publication: Research › Ph.D. thesis – Annual report year: 2013

A Comparative Study of Reduced-Variables-Based Flash and Conventional Flash
Publication: Research - peer-review › Journal article – Annual report year: 2013

Composition of in situ burn residue as a function of weathering conditions
Publication: Research - peer-review › Journal article – Annual report year: 2013

Distribution of MEG and methanol in well-defined hydrocarbon and water systems: Experimental measurement and modeling using the CPA EoS
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Inverse Problems in Geosciences: Modelling the Rock Properties of an Oil Reservoir
Publication: Research › Ph.D. thesis – Annual report year: 2013

Liquid–liquid equilibria for reservoir fluids+monoethylene glycol and reservoir fluids+monoethylene glycol+water: Experimental measurements and modeling using the CPA EoS
Publication: Research - peer-review › Journal article – Annual report year: 2013

Numerical analysis of a one-dimensional multicomponent model of the in-situ combustion process
Publication: Research - peer-review › Journal article – Annual report year: 2013

Online measurement of mass density and viscosity of pL fluid samples with suspended microchannel resonator
Publication: Research - peer-review › Journal article – Annual report year: 2013

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Publication: Research › Ph.D. thesis – Annual report year: 2014

Speeding up compositional reservoir simulation through an efficient implementation of phase equilibrium calculation
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

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Publication: Research › Paper – Annual report year: 2012

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Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

Comparing ignitability for in situ burning of oil spills for an asphalteneic, a waxy and a light crude oil as a function of weathering conditions under arctic conditions
Publication: Research - peer-review › Journal article – Annual report year: 2011

CO₂ Capture from Flue gas using Amino acid salt solutions
Publication: Research › Ph.D. thesis – Annual report year: 2012

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Publication: Research › Ph.D. thesis – Annual report year: 2012

Gravity Effect on Two-Phase Immiscible Flows in Communicating Layered Reservoirs
Publication: Research - peer-review › Journal article – Annual report year: 2012

High Order Adjoint Derivatives using ESDIRK Methods for Oil Reservoir Production Optimization
Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

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Publication: Research - peer-review › Journal article – Annual report year: 2012

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Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2012

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Publication: Research › Ph.D. thesis – Annual report year: 2012

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Smart Waterflooding in Carbonate Reservoirs
Publication: Research › Ph.D. thesis – Annual report year: 2012

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Advanced Waterflooding in Chalk Reservoirs: Crude Oil/Brine Interaction Study
Publication: Research › Sound/Visual production (digital) – Annual report year: 2011

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CO2 capture using aqueous ammonia: kinetic study and process simulation
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Comparison of Two Methods for Speeding Up Flash Calculations In Compositional Simulations
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Estimation of Chromatographic Columns Performances using Computer Tomography and CFD Simulations
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Publication: Research - peer-review › Journal article – Annual report year: 2011

Measurement and modeling of CO2 solubility in NaCl brine and CO2–saturated NaCl brine density
Publication: Research - peer-review › Journal article – Annual report year: 2011

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Publication: Research - peer-review › Journal article – Annual report year: 2011

Modeling phase equilibria for acid gas mixtures using the CPA equation of state. Part II: Binary mixtures with CO2
Publication: Research - peer-review › Conference article – Annual report year: 2011

Mutual Solubility of MEG, Water and Reservoir Fluid: Experimental Measurements and Modeling using the CPA Equation of State
Publication: Research - peer-review › Journal article – Annual report year: 2011

NMPC for Oil Reservoir Production Optimization
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Oil Reservoir Production Optimization using Optimal Control
Publication: Research - peer-review › Conference article – Annual report year: 2011

On Application of Non-cubic EoS to Compositional Reservoir Simulation
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Particles and Pores: New transport and capture mechanisms
Publication: Research › Sound/Visual production (digital) – Annual report year: 2011
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Physical mechanisms of deep bed filtration with application to the problems of petroleum industry
Publication: Research › Sound/Visual production (digital) – Annual report year: 2011

Pressure Effect on Phase Behavior of Surfactant System
Publication: Research › Poster – Annual report year: 2011

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Screening of amino acid salts solutions for application in CO2 capture from flue gas.
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2011

Towards Predictive Association Theories
Publication: Research - peer-review › Journal article – Annual report year: 2011

Upscaling of Two-Phase Immiscible Flows in Communicating Stratified Reservoirs
Publication: Research - peer-review › Journal article – Annual report year: 2011

CO2 Flooding in Chalk Reservoirs
Publication: Research › Ph.D. thesis – Annual report year: 2010

Chilled Ammonia Process for CO2 Capture
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1D Simulations for Microbial Enhanced Oil Recovery with Metabolite Partitioning
Publication: Research - peer-review › Journal article – Annual report year: 2010

Absorber Model for CO2 Capture by Monoethanolamine
Publication: Research - peer-review › Journal article – Annual report year: 2010

Adaptive Step Size Control in Implicit Runge-Kutta Methods for Reservoir Simulation
Publication: Research - peer-review › Article in proceedings – Annual report year: 2010

Advanced Waterflooding in Carbonate Reservoirs
Publication: Research › Poster – Annual report year: 2010

Compositional Simulation of In-Situ Combustion EOR: A Study of Process Characteristics
Publication: Research - peer-review › Journal article – Annual report year: 2010

Explicit Singly Diagonally Implicit Runge-Kutta Methods and Adaptive Stepsize Control for Reservoir Simulation
Publication: Research - peer-review › Article in proceedings – Annual report year: 2010

Extensive Comparison of Cubic Plus Association (CPA) and PC-SAFT Equations of State
Publication: Research - peer-review › Poster – Annual report year: 2010
How to Model CO2 Capture
Publication: Research › Article in proceedings – Annual report year: 2010

Ilden på havet
Publication: Communication › Journal article – Annual report year: 2010

Improved Oil Recovery in Chalk: Wettability Alteration or Something Else?
Publication: Research - peer-review › Article in proceedings – Annual report year: 2010

Improved Oil Recovery in Chalk: Wettability Alteration or Something Else?
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In-Situ Phase Identification and Saturation Determination in Carbon Dioxide Flooding of Water Flooded Chalk Using X-Ray Computed Tomography
Publication: Research - peer-review › Journal article – Annual report year: 2010

Microbial Enhanced Oil Recovery: 3D Simulation with Gravity Effects
Publication: Research - peer-review › Article in proceedings – Annual report year: 2010

Microbial Enhanced Oil Recovery - Advanced Reservoir Simulation
Publication: Research › Ph.D. thesis – Annual report year: 2010

Modeling of carbon dioxide absorption by aqueous ammonia solutions using the Extended UNIQUAC model
Publication: Research - peer-review › Journal article – Annual report year: 2010

Modeling Phase Equilibria for Acid Gas Mixtures Using the CPA Equation of State. I. Mixtures with H2S
Publication: Research - peer-review › Journal article – Annual report year: 2010

Mutual Solubility of MEG, Water and Reservoir Fluid: Experimental Measurements and Modeling using the CPA Equation of State
Publication: Research - peer-review › Article in proceedings – Annual report year: 2010

Mutual Solubility of MEG, Water and Reservoir Fluid: Experimental Measurements and Modeling using the CPA Equation of State
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2010

Mutual Solubility of MEG, Water and Reservoir Fluid: Experimental Measurements and Modeling using the CPA Equation of State
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2010

Phase equilibria modeling of methanol-containing systems with the CPA and sPC-SAFT equations of state
Publication: Research - peer-review › Journal article – Annual report year: 2010

Post-Combustion Capture of CO2 from Fossil Fueled Power Plants
Publication: Research › Ph.D. thesis – Annual report year: 2010
Preparation and structural characterisation of novel and versatile amphiphilic octenyl succinic anhydride-modified hyaluronic acid derivatives
Publication: Research - peer-review › Journal article – Annual report year: 2010

Production Optimization for Two-Phase Flow in an Oil Reservoir
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2010

PVT Modeling of Reservoir Fluids using PC-SAFT EoS and Soave-BWR EOS
Publication: Research › Sound/Visual production (digital) – Annual report year: 2010

Rate Based Carbon Dioxide Capture Desorption Modelling
Publication: Research › Article in proceedings – Annual report year: 2010

Recent Applications of the CPA Equations of State
Publication: Research › Poster – Annual report year: 2010

Review and recommended thermodynamic properties of FeCO3
Publication: Research - peer-review › Journal article – Annual report year: 2010

Solubility of CO2 in functionalized ionic liquid
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2010

Tertiary Carbon Dioxide Flooding of Low Permeable Chalk with In-Situ Saturation Determination using X-Ray Computed Tomography
Publication: Research - peer-review › Poster – Annual report year: 2010

The Cubic Plus Association (CPA) Equation of State: What have we learnt in 15 years and future challenges
Publication: Research › Sound/Visual production (digital) – Annual report year: 2010

The Influence of CO2 Solubility in Brine on Simulation of CO2 Injection into Water Flooded Reservoir and CO2 WAG
Publication: Research - peer-review › Conference article – Annual report year: 2010

Towards Predictive Association Theories
Publication: Research - peer-review › Article in proceedings – Annual report year: 2010

Transport of reservoir fines: a novel model for formation heterogeneity and particle heterogeneity
Publication: Research › Poster – Annual report year: 2010

An Equation-of-State Compositional In-Situ Combustion Model: A Study of Phase Behavior Sensitivity
Publication: Research - peer-review › Journal article – Annual report year: 2009

A New Approach to Modeling Immiscible Two-phase Flow in Porous Media
Publication: Research › Poster – Annual report year: 2009

Application of the CPA equation of state to reservoir fluids in presence of water and polar chemicals
Publication: Research - peer-review › Journal article – Annual report year: 2009

Aqueous Ammonia Process for CO2 Capture
Publication: Research › Poster – Annual report year: 2009

Aqueous Ammonia Process for CO2 Capture
Publication: Research - peer-review › Article in proceedings – Annual report year: 2009
Chilled ammonia process for CO2 capture
Publication: Research - peer-review › Article in proceedings – Annual report year: 2009

CO2 Capture from Flue Gas using Amino Acid Salt Solutions
Publication: Research - peer-review › Article in proceedings – Annual report year: 2009

CO2 transport and storage
Publication: Research › Book chapter – Annual report year: 2009

Corrosion in Pipelines
Publication: Research › Poster – Annual report year: 2009

Coupling Miscible Flow and Geochemistry for Carbon Dioxide Flooding into North Sea Chalk Reservoir
Publication: Research › Article in proceedings – Annual report year: 2009

Energy Demand for CO2 Solvent Regeneration
Publication: Research - peer-review › Article in proceedings – Annual report year: 2009

Extended UNIQUAC model for thermodynamic modeling of CO2 absorption in aqueous alkanoamine solutions
Publication: Research - peer-review › Journal article – Annual report year: 2009

Hydrodynamic impact of particle shape in slurry packed liquid chromatography columns
Publication: Research - peer-review › Journal article – Annual report year: 2009

Improving Mechanistic CO2 Corrosion Models
Publication: Research - peer-review › Article in proceedings – Annual report year: 2009

Mathematical Model for Microbial Enhanced Oil Recovery with Surfactant Distributed between Phases
Publication: Research - peer-review › Article in proceedings – Annual report year: 2009

Measurements and Modelling of CO2 Solubility in Brine and CO2-Saturated Brine Densities at High Pressures
Publication: Research › Poster – Annual report year: 2009

Modeling of the Mixed Solvent Electrolyte System CO2-Na2CO3-NaHCO3-Monoethylene Glycol-Water
Publication: Research - peer-review › Journal article – Annual report year: 2009

Phase Identification and Saturation Determination in Carbon Dioxide Flooding of Water Flooded Chalk Using X-Ray Computed Tomography
Publication: Research - peer-review › Article in proceedings – Annual report year: 2009

Recent Developments of the CPA equation of state for associating fluids
Publication: Research - peer-review › Article in proceedings – Annual report year: 2009
Reverse Schreinemakers Method for Experimental Analysis of Mixed-Solvent Electrolyte Systems
Publication: Research - peer-review › Journal article – Annual report year: 2009

Simulation of Subsurface Two-Phase Flow in an Oil Reservoir
Publication: Research - peer-review › Article in proceedings – Annual report year: 2009

Simulation of Two-Phase Flow in an Oil Reservoir using Adaptive High-Order Runge-Kutta based Time-Integration
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2009

Solubility Measurements in the Mixed Solvent Electrolyte System Na2CO3-NaHCO3-Monoethylene Glycol-Water
Publication: Research - peer-review › Journal article – Annual report year: 2009

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Publication: Research - peer-review › Article in proceedings – Annual report year: 2009

The Effects of Possible Contamination on the Radiocarbon Dating of the Dead Sea Scrolls II: Empirical Methods to Remove Castor Oil and Suggestions for Redating
Publication: Research - peer-review › Journal article – Annual report year: 2009

The Influence of CO2 Solubility in Brine on CO2 Flooding Simulation
Publication: Research › Article in proceedings – Annual report year: 2009

Thermodynamic modeling of the solubility of CO2 in aqueous alkanolamine solutions using the extended UNIQUAC model Application to monoethanolamine and methyldiethanolamine
Publication: Research - peer-review › Conference article – Annual report year: 2009

Thermodynamic Modeling of Water-Acid Gases-Alkanolamine Systems
Publication: Research - peer-review › Article in proceedings – Annual report year: 2009

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Publication: Research - peer-review › Article in proceedings – Annual report year: 2009

Using Fundamental Advanced Thermodynamics to Model CO2 Capture Using Aqueous Ammonia
Publication: Research › Sound/Visual production (digital) – Annual report year: 2009

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Publication: Research - peer-review › Article in proceedings – Annual report year: 2009

Development of soft nanocarriers from novel amphiphilic hyaluronic acid derivatives towards drug delivery
Publication: Research › Ph.D. thesis – Annual report year: 2008

Development of Models and Algorithms for the Study of Reactive Porous Media Processes
Publication: Research › Ph.D. thesis – Annual report year: 2008

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Publication: Research › Ph.D. thesis – Annual report year: 2008

Carbon Dioxide Corrosion: Modelling and Experimental Work Applied to Natural Gas Pipelines
Publication: Research › Ph.D. thesis – Annual report year: 2008

Capture and Storage Projects at IVC-SEP
Publication: Research - peer-review › Poster – Annual report year: 2008
Chilled ammonia process for CO2 capture
Publication: Research - peer-review › Report – Annual report year: 2008

CO2 - en drivhusgas og et korrosionsproblem
Publication: Research - peer-review › Journal article – Annual report year: 2008

Designing with CAPE-OPEN
Publication: Research - peer-review › Poster – Annual report year: 2008

Hydrolysis of Cellulose Using Mono-Component Enzymes Shows Synergy during Hydrolysis of Phosphoric Acid Swollen Cellulose (PASC), but Competition on Avicel
Publication: Research - peer-review › Journal article – Annual report year: 2008

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Publication: Research › Poster – Annual report year: 2008

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Publication: Research - peer-review › Report – Annual report year: 2008

The influence of CO2 Solubility in Brine on CO2 Flooding Simulation
Publication: Research - peer-review › Article in proceedings – Annual report year: 2008

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Publication: Research › Ph.D. thesis – Annual report year: 2007

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Publication: Research › Ph.D. thesis – Annual report year: 2007

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Publication: Research › Ph.D. thesis – Annual report year: 2007

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Publication: Education › Compendium/lecture notes – Annual report year: 2007

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Publication: Research › Sound/Visual production (digital) – Annual report year: 2007

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Publication: Research - peer-review › Article in proceedings – Annual report year: 2007
Denmark as an Oil Nation
Publication: Research › Sound/Visual production (digital) – Annual report year: 2007

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Publication: Research - peer-review › Article in proceedings – Annual report year: 2007

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Publication: Research › Poster – Annual report year: 2007

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Publication: Research - peer-review › Journal article – Annual report year: 2006

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High-pressure vapor-liquid equilibria of systems containing ethylene glycol, water and methane - Experimental measurements and modeling
Publication: Research - peer-review › Journal article – Annual report year: 2007

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Publication: Research › Sound/Visual production (digital) – Annual report year: 2007

Integration of Chemical Reactions in Reservoir Simulation
Publication: Research - peer-review › Article in proceedings – Annual report year: 2007

Measurement and modelling of salt solubility in the mixed solvent CO2-MEG-H2O system
Publication: Research › Sound/Visual production (digital) – Annual report year: 2007

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Publication: Research - peer-review › Poster – Annual report year: 2006

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Publication: Research - peer-review › Article in proceedings – Annual report year: 2006

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Publication: Research - peer-review › Article in proceedings – Annual report year: 2006

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Publication: Research - peer-review › Poster – Annual report year: 2006

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Prediction of mineral scale formation in geothermal and oilfield operations using the Extended UNIQUAC model - Part II. Carbonate-scaling minerals
Publication: Research - peer-review › Journal article – Annual report year: 2006
Prediction of viscosities and surface tensions of fuels using a new corresponding states model
Publication: Research - peer-review › Journal article – Annual report year: 2006

Statistical Methods for History Matching
Publication: Research - peer-review › Poster – Annual report year: 2006

Ten years with the CPA (Cubic-Plus-Association) equation of state. Part 1. Pure compounds and self-associating systems
Publication: Research - peer-review › Journal article – Annual report year: 2006

Ten years with the CPA (Cubic-Plus-Association) equation of state. Part 2. Cross-associating and multicomponent systems
Publication: Research - peer-review › Journal article – Annual report year: 2006

Vapor-liquid, liquid-liquid and vapor-liquid-liquid equilibrium of binary and multicomponent systems with MEG modeling with the CPA EoS and an EoS/G(E) model
Publication: Research - peer-review › Journal article – Annual report year: 2006

A model for estimating CO2 solubility in aqueous alkanolamines
Publication: Research - peer-review › Journal article – Annual report year: 2005

Application of Advanced Thermodynamic Models for Complex Fluids and Reservoirs
Publication: Research - peer-review › Article in proceedings – Annual report year: 2005

Application of the cubic-plus-association (CPA) equation of state to cross-associating systems
Publication: Research - peer-review › Journal article – Annual report year: 2005

Compositional evolution of the emplaced fuel source in the vadose zone field experiment at airbase Vaerlose, Denmark
Publication: Research - peer-review › Journal article – Annual report year: 2005

Correlation and prediction of environmental properties of alcohol ethoxylate surfactants using the UNIFAC method
Publication: Research - peer-review › Journal article – Annual report year: 2005

Direct measurement of gas solubility and diffusivity in poly(vinylidene fluoride) with a high-pressure microbalance
Publication: Research - peer-review › Journal article – Annual report year: 2005

Directs measurement of high temperature/high pressure solubility of methane and carbon dioxide in polyamide (PA-11) using a high-pressure microbalance
Publication: Research - peer-review › Conference article – Annual report year: 2005

Mathematical modeling of enzymatic hydrolysis of cellulosic model substrates
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2005

Publication: Research - peer-review › Journal article – Annual report year: 2005

Recent applications of the cubic-plus-association (CPA) equation of state to industrially important systems
Publication: Research - peer-review › Conference article – Annual report year: 2005

Viscosity and Liquid Density of Asymmetric n-Alkane Mixtures: Measurement and Modelling
Publication: Research - peer-review › Conference article – Annual report year: 2005
Wax Precipitation Modeled with Many Mixed Solid Phases
Publication: Research - peer-review › Journal article – Annual report year: 2005

Thermodynamic Modelling of Surfactant Solutions
Publication: Research › Ph.D. thesis – Annual report year: 2004

Direct measurement of gas solubilities in polymers with a high-pressure microbalance
Publication: Research - peer-review › Journal article – Annual report year: 2004

Application of the CPA equation of state to organic acids
Publication: Research - peer-review › Journal article – Annual report year: 2004

Applied thermodynamics in chemical engineering in the 20th and 21st centuries
Publication: Research › Book chapter – Annual report year: 2004

Characterisation of Oil-Gas Mixtures by Raman Spectroscopy
Publication: Research - peer-review › Article in proceedings – Annual report year: 2004

Detection of Occupancy Differences in Methane Gas Hydrates by Raman Spectroscopy
Publication: Research - peer-review › Article in proceedings – Annual report year: 2004

Diffusion measurements by Raman spectroscopy
Publication: Research - peer-review › Poster – Annual report year: 2004

Direct Measurement of Gas Solubilities in Polymers Using a High-Pressure Microbalance
Publication: Research - peer-review › Journal article – Annual report year: 2004

Extension of the CPA equation of state to organic acids
Publication: Research - peer-review › Journal article – Annual report year: 2004

PVT characterization and viscosity modeling and prediction of crude oils
Publication: Research - peer-review › Journal article – Annual report year: 2004

Streamline Simulation with Capillary Effects Applied to Petroleum Engineering Problems
Publication: Research › Ph.D. thesis – Annual report year: 2004

Theoretical and experimental comparison of the Soret coefficient for water-methanol and water-ethanol binary mixtures
Publication: Research - peer-review › Conference article – Annual report year: 2004

Three-phase Compositional Streamline Simulation and Its Application to WAG
Publication: Research - peer-review › Paper – Annual report year: 2004

Upgrade of an old Raman Spectrometer
Publication: Research - peer-review › Journal article – Annual report year: 2004

Upgrade of a Raman Spectrometer
Publication: Research - peer-review › Journal article – Annual report year: 2004

Modelling of Phase Equilibria Containing Associating Fluids
Publication: Research › Ph.D. thesis – Annual report year: 2003
A Corresponding States Model for the Estimation of Thermophysical Properties of Asymmetric Mixtures
Publication: Research › Poster – Annual report year: 2003

A new Corresponding States model for the estimation of thermophysical properties of long chain n-alkanes
Publication: Research - peer-review › Journal article – Annual report year: 2003

Application of the CPA equation of state to glycol/hydrocarbons liquid-liquid equilibria
Publication: Research - peer-review › Journal article – Annual report year: 2003

Application of the CPA equation of state to industrially important systems
Publication: Research › Poster – Annual report year: 2003

Application of the CPA equation of state to industrially important systems
Publication: Research › Conference abstract for conference – Annual report year: 2003

Application of the CPA Equation of State to Industrially Important Systems
Publication: Research › Poster – Annual report year: 2003

Application of the CPA Equation of State to Industrially Important Systems
Publication: Research › Conference abstract for conference – Annual report year: 2003

Applications of Association Models to problems of the Oil, Chemical and Polymer Industries
Publication: Research - peer-review › Article in proceedings – Annual report year: 2003

Black Oil Streamline Simulator with Capillary Effects
Publication: Research › Poster – Annual report year: 2003

Black Oil Streamline Simulator with Capillary Effects
Publication: Research › Conference abstract in proceedings – Annual report year: 2003

Compositional Streamline Simulation: Progress Report No. 4
Publication: Research - peer-review › Report – Annual report year: 2003

Detection of Dew-Point by substantial Raman Band Frequency Jumps (A new Method)
Publication: Research - peer-review › Poster – Annual report year: 2003

Detection of Dew-Point by substantial Raman Band Frequency Jumps (A new Method)
Publication: Research - peer-review › Poster – Annual report year: 2003

Evaluation of the Thermodynamic Models for the Thermal Diffusion Factor
Publication: Research - peer-review › Journal article – Annual report year: 2002

Extension of the CPA Equation of State to Glycol-Water Cross-Associating Systems
Publication: Research - peer-review › Journal article – Annual report year: 2003

Extension of the cubic-plus-association equation of state to glycol-water cross-associating systems
Publication: Research - peer-review › Journal article – Annual report year: 2003

Friction Theory Prediction of Crude Oil Viscosity at Reservoir Conditions Based on Dead Oil Properties
Publication: Research - peer-review › Conference article – Annual report year: 2003
Generalized Relation Between Surface Tension and Viscosity: a Study on Pure and Mixed n-Alkanes
Publication: Research › Conference abstract in proceedings – Annual report year: 2003

Measurement and Modelling of Gas Solubility and Diffusivity in Polymers at High Pressure and Temperature
Publication: Research › Conference abstract in proceedings – Annual report year: 2003

Modeling of the water-hydrocarbon interface: Coupling the CPA EoS with the gradient theory
Publication: Research › Conference abstract in proceedings – Annual report year: 2003

Supercritical Fluid Extraction of a-Methylene-g-Butyrolactone from Aistroemeria: Optimization by Statistical Experimental Design
Publication: Research › Conference abstract in proceedings – Annual report year: 2003

Termodynamiske modeler for produktionskemikaliers egenskaber
Publication: Communication › Journal article – Annual report year: 2003

Upgrade of an Raman Spectrometer
Publication: Research - peer-review › Journal article – Annual report year: 2003

Viscosity and Density Modeling and Prediction of Reservoir Fluids: from Natural Gas to Heavy Oils
Publication: Research - peer-review › Article in proceedings – Annual report year: 2003

Viscosity and Liquid Density of Asymmetric Hydrocarbon Mixtures
Publication: Research - peer-review › Journal article – Annual report year: 2003

Viscosity Modeling and Prediction of Reservoir Fluids: from Natural Gas to Heavy Oils
Publication: Research › Conference abstract in proceedings – Annual report year: 2003

Accurate Density and Viscosity Modeling of Non-Polar Fluids Based on the f -theory
Publication: Research - peer-review › Journal article – Annual report year: 2002

Characterization of Oil-Gas Mixtures by Raman Spectroscopy
Publication: Research › Conference abstract for conference – Annual report year: 2002

Detection of Occupancy Differences in Methane Gas Hydrates by Raman Spectroscopy
Publication: Research › Poster – Annual report year: 2002

Detection of Occupancy Differences in Methane Gas Hydrates by Raman Spectroscopy.
Publication: Research › Article in proceedings – Annual report year: 2002

Effect of Geothermal Gradients on Fluid Distribution in Petroleum Reservoirs
Publication: Research - peer-review › Book chapter – Annual report year: 2002

General one-parameter friction theory viscosity model for the Patel-Teja EOS
Publication: Research › Conference abstract for conference – Annual report year: 2002

How to determine the pressure of a methane-containing gas mixture by means of two weak Raman bands, v(3) and 2v(2)
Publication: Research - peer-review › Journal article – Annual report year: 2002

Interplay of Phase Behavior and Numerical Dispersion in Finite Difference Compositional Simulation
Publication: Research - peer-review › Journal article – Annual report year: 2002
Liquid-liquid equilibria for glycols plus hydrocarbons: Data and correlation
Publication: Research - peer-review › Journal article – Annual report year: 2002

Modeling of Phase Equilibria Containing Associating Fluids
Publication: Research › Ph.D. thesis – Annual report year: 2002

Modelling the Acid Restimulation of Carbonate Fractured Injection Wells in a North Sea
Publication: Research › Conference abstract for conference – Annual report year: 2002

Multicomponent Adsorption: Principles and Models
Publication: Research - peer-review › Book chapter – Annual report year: 2001

Nanotechnology at KT
Publication: Research › Report – Annual report year: 2002

Prediction of micelle formation for aqueous polyoxyethylene alcohol solutions with the UNIFAC model
Publication: Research - peer-review › Journal article – Annual report year: 2002

Prediction of Octanol-Water Partition Coefficients of Surfactants with Engineering Methods
Publication: Research - peer-review › Report – Annual report year: 2002

Principle of Entropy Maximization for Nonequilibrium Steady States
Publication: Research - peer-review › Journal article – Annual report year: 2002

Raman Spectroscopic investigations of gas mixtures.
Publication: Communication › Journal article – Annual report year: 2002

Research at KT 2002
Publication: Research › Report – Annual report year: 2002

Scale Formation in Geothermal Plants
Publication: Research › Report – Annual report year: 2002

Simulation of Gas Injection Processes
Publication: Research › Ph.D. thesis – Annual report year: 2002

Viscosity modeling and prediction of crude oils
Publication: Research › Conference abstract for conference – Annual report year: 2002

Viscosity modeling of associating fluids based on the friction theory: pure alcohols
Publication: Research - peer-review › Journal article – Annual report year: 2002

Viscosity prediction of carbon dioxide plus hydrocarbon mixtures using the friction theory
Publication: Research - peer-review › Journal article – Annual report year: 2001

Viscosity Prediction of Natural Gas Using the Friction Theory
Publication: Research - peer-review › Journal article – Annual report year: 2002

Determination of Relative Permeability - Analysis of Experimental Methods
Publication: Research › Ph.D. thesis – Annual report year: 2001
Viscosity Study of Hydrocarbon Fluids at Reservoir Conditions Modeling and Measurements
Publication: Research › Ph.D. thesis – Annual report year: 2001

A Thermodynamic Model for Gas Hydrates in the Presence of Salts and Methanol
Publication: Research - peer-review › Journal article – Annual report year: 2001

A Wax Inhibition Solution to Problematic Fields: A Chemical Remediation Process
Publication: Research - peer-review › Journal article – Annual report year: 2001

Density and viscosity of the 1-methylnaphthalene+2,2,4,4,6,8,8-heptamethylnonane system from 293.15 to 353.15 K at pressures up to 100 Mpa
Publication: Research - peer-review › Journal article – Annual report year: 2001

Development of Petroleum Enhanced Coal Tar Pitch in Europe
Publication: Research › Conference abstract in proceedings – Annual report year: 2001

Estimation of VLE Phase Compositions of Binary Systems Containing Gaseous Components, from the Feed Composition and the Cell Volume
Publication: Research - peer-review › Journal article – Annual report year: 2001

High-pressure measuring cell for Raman spectroscopic studies of natural gas
Publication: Research - peer-review › Journal article – Annual report year: 2001

High Pressure Viscosity and Density Behaviour of Ternary Mixtures: 1-Methylnaphthalene + n-Tridecane + 2,2,4,4,6,8,8-Heptamethylnonane
Publication: Research - peer-review › Journal article – Annual report year: 2001

Novel Applications of Thermodynamics with Classical Models
Publication: Research › Conference abstract in proceedings – Annual report year: 2001

One Parameter Friction Theory Models for Viscosity
Publication: Research - peer-review › Journal article – Annual report year: 2001

On the Mass Balance of Asphaltene Precipitation
Publication: Research - peer-review › Journal article – Annual report year: 2001

Prediction of the Surface Tension of Hydrocarbons and Their Mixtures
Publication: Research - peer-review › Article in proceedings – Annual report year: 2001

Raman Spectroscopic Studies of Methane-Ethane Mixtures as a Function of Pressure
Publication: Research - peer-review › Journal article – Annual report year: 2001

Review of WAG Field Experience
Publication: Research - peer-review › Journal article – Annual report year: 2001

Size Exclusion Chromatography in the Analysis of Pitch
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2001

Studies of waterflooding in low-permeable chalk by use of X-ray CT scanning
Publication: Research - peer-review › Journal article – Annual report year: 2001
The application of Raman Spectroscopy to study of Gas Hydrates. Phase Equilibria and Separation Processes.
Publication: Research › Poster – Annual report year: 2001

The Friction Theory for Viscosity Modeling: Extension to Crude Oil Systems
Publication: Research - peer-review › Journal article – Annual report year: 2001

Thermodynamics of the multicomponent vapor-liquid equilibrium under capillary pressure difference
Publication: Research - peer-review › Journal article – Annual report year: 2001

Viscosity Modeling of Light Gases at Supercritical Conditions Using the Friction Theory
Publication: Research - peer-review › Journal article – Annual report year: 2001

Viscosity modeling of the ternary system 1-methylnaphthalene plus n-tridecane+ 2,2,4,4,6,8,8-heptamethylnonane up to 100 Mpa
Publication: Research - peer-review › Journal article – Annual report year: 2001

Viscosity Prediction of Hydrocarbon Mixtures Based on the Friction Theory
Publication: Research - peer-review › Journal article – Annual report year: 2001

Viscosity Prediction of Hydrogen + Natural Gas Mixtures (Hythane)
Publication: Research - peer-review › Journal article – Annual report year: 2001

Compositional Analysis of North Sea Oils
Publication: Research - peer-review › Journal article – Annual report year: 2000

Determination of Methyl Tertiary Butyl Ether (MTBE) in Gasoline by Raman Spectroscopy
Publication: Research - peer-review › Journal article – Annual report year: 2000

Effective Algorithms for the Study of Miscible Gas Injection Processes
Publication: Research › Ph.D. thesis – Annual report year: 2000

Effect of Low Permeable Porous Media on Behavior of Gas Condensate
Publication: Research - peer-review › Journal article – Annual report year: 2000

Effect of low permeable porous media on behavior of gas condensates
Publication: Research - peer-review › Article in proceedings – Annual report year: 2000

Effects of Numerical Dispersion in FD Simulation of 1D Gas Injection Problems
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2000

Factorization of Transport Coefficients in Macroporous Media
Publication: Research - peer-review › Journal article – Annual report year: 2000

Heat Treatment in the Manufacture of Pitch Produced from Blends of Tars of Petroleum and Coal Origin
Publication: Research › Conference abstract for conference – Annual report year: 2000

Including Capillary Pressure in Simulations of Steady State Relative Permeability Experiments
Publication: Research - peer-review › Article in proceedings – Annual report year: 2001
Nonequilibrium Segregation in Petroleum Reservoirs
Publication: Research - peer-review › Journal article – Annual report year: 1999

Phase-Boundary Calculations in Systems Involving More than Two Phases, with Application to Hydrocarbon Mixtures
Publication: Research - peer-review › Journal article – Annual report year: 1999

Predicting the Melting Points and the Heats of Fusion of Saturated Triglycerides by a Group Contribution Method
Publication: Research - peer-review › Journal article – Annual report year: 1999

Solid Organic Deposition During Gas Injection Studies -Part I
Publication: Research - peer-review › Book chapter – Annual report year: 1999

Solid Organic Deposition During Gas Injection Studies -Part II
Publication: Research - peer-review › Book chapter – Annual report year: 1999

A Dynamic Pore-Scale Model of Imbibition
Publication: Research › Article in proceedings – Annual report year: 1998

A Dynamic Two-Phase Pore-Scale Model of Imbibition
Publication: Research - peer-review › Journal article – Annual report year: 1998

Analysis of Multicomponent Adsorption Close to a Dew Point
Publication: Research - peer-review › Journal article – Annual report year: 1998

A Thermodynamic Mixed-Solid Asphaltene Precipitation Model
Publication: Research - peer-review › Journal article – Annual report year: 1998

Calculation of Interfacial Tensions of Hydrocarbon-water Systems under Reservoir Conditions
Publication: Research › Article in proceedings – Annual report year: 1998

Compositional and Relative Permeability Hysteresis Effects on Near-Miscible WAG
Publication: Research › Article in proceedings – Annual report year: 1998

Effective Algorithm for Calculation of Minimum Miscibility Pressure
Publication: Research › Article in proceedings – Annual report year: 1998

Global Approach for Calculation of Minimum Miscibility Pressure
Publication: Research - peer-review › Journal article – Annual report year: 1998

Investigation of Asphaltene Precipitation at Elevated Temperature
Publication: Research - peer-review › Conference article – Annual report year: 1998

Measurement of Viscosity of Hydrocarbon Liquids Using a Microviscometer
Publication: Research - peer-review › Journal article – Annual report year: 1998

Multiphase Flow in Low-Permeable Chalk, X-Ray CT Scanning and Pore-Level Modelling
Publication: Research - peer-review › Book – Annual report year: 1998

Potential Theory of Multicomponent Adsorption
Publication: Research - peer-review › Journal article – Annual report year: 1998
Prediction of Interfacial Tensions of Reservoir Crude Oil and Gas Condensate Systems
Publication: Research - peer-review › Journal article – Annual report year: 1998

Ramanspektroskopisk undersøgelse af Metyltertiærbutylether indhold i benzin: MTBE
Publication: Research - peer-review › Report – Annual report year: 1998

Simulation of the High-Pressure Phase Equilibria of Hydrocarbonwater/Brine Systems
Publication: Research - peer-review › Journal article – Annual report year: 1998

The Application of Raman Spectroscopy for Analysis of Multicomponent Systems
Publication: Research - peer-review › Book – Annual report year: 1998

Thermodynamics in Compositional Reservoir Simulation
Publication: Research - peer-review › Book – Annual report year: 1998

A Dynamic Pore-Scale Model of Imbibition
Publication: Research › Article in proceedings – Annual report year: 1997

A Percolation Study of Wettability Effect on the Electrical Properties of Reservoir Rocks
Publication: Research - peer-review › Journal article – Annual report year: 1997

Application of Raman Spectroscopy for Analysis
Publication: Research - peer-review › Book chapter – Annual report year: 1997

A Thermodynamic Mixed-Soiled Asphalten Precipitation Model
Publication: Research › Article in proceedings – Annual report year: 1997

Calculation of interfacial tensions with gradient theory. I. Pure and Pseudo-Pure Fluids. II. Binary Systems
Publication: Research - peer-review › Journal article – Annual report year: 1997

Calculation of Minimum Miscibility Pressure
Publication: Research - peer-review › Book chapter – Annual report year: 1997

Corresponding-States and Parachor Models for the Calculation of Interfacial Tensions
Publication: Research - peer-review › Journal article – Annual report year: 1997

Effect of Temperature on the Precipitation and Composition of Asphaltenes
Publication: Research - peer-review › Article in proceedings – Annual report year: 1997

Kelvin Equation for a Non-Ideal Multicomponent Mixture
Publication: Research - peer-review › Journal article – Annual report year: 1997

Measurement of Phase Behavior of Hydrocarbon Mixtures Using Fiber Optical Detection Techniques
Publication: Research › Journal article – Annual report year: 1997

Phase equilibria of microemulsion forming system n-decyl-(beta)-D-glucopyranoside/water/n-octane/1-butanol
Publication: Research - peer-review › Journal article – Annual report year: 1997

Prediction of Gas Hydrate Formation Conditions in Aqueous Solutions of Single and Mixed Electrolytes
Publication: Research - peer-review › Journal article – Annual report year: 1997
Presentations of the research activities in IVC-SEP
Publication: Research › Article in proceedings – Annual report year: 1997

The influence of the porous medium on the phase behavior of reservoir fluids
Publication: Research › Article in proceedings – Annual report year: 1997

Variations in Composition of Subfractions of Petroleum Asphaltenes
Publication: Research › Article in proceedings – Annual report year: 1997

Wax Formation in Petroleum Systems-Solvent Fraction, Characterization and Thermodynamic Modelling
Publication: Research › Article in proceedings – Annual report year: 1997

A Consistent Procedure for Pseudo-Component Delumping
Publication: Research - peer-review › Journal article – Annual report year: 1996

A Linear Gradient Theory Model for Calculating Interfacial Tensions of Mixtures
Publication: Research - peer-review › Journal article – Annual report year: 1996

A Local Composition Model for Paraffinic Solid Solutions
Publication: Research - peer-review › Journal article – Annual report year: 1996

Application of a Delumping Procedure to Compositional Reservoir Simulations
Publication: Research › Article in proceedings – Annual report year: 1996

Calculation of Surface Tensions of Polar Mixtures with a Simplified Gradient Theory Model
Publication: Research - peer-review › Journal article – Annual report year: 1996

Effects of Capillary Forces and Adsorption on Reserves Distribution
Publication: Research - peer-review › Journal article – Annual report year: 1996

On the nonequilibrium segregation state of a two-phase mixture in a porous column
Publication: Research - peer-review › Journal article – Annual report year: 1996

Publication: Research - peer-review › Journal article – Annual report year: 1996

Simulation of Flow Behavior of Gas Condensate at Low Interfacial Tension
Publication: Research - peer-review › Journal article – Annual report year: 1996

Simulation of the high-pressure phase equilibria of hydrocarbon-water/brine systems
Publication: Research - peer-review › Journal article – Annual report year: 1996

Solid-Liquid equilibrium of n-alkanes using the Chain Delta Lattice Parameter model
Publication: Research - peer-review › Journal article – Annual report year: 1996

Statistical Description of Segregation in a Powder Mixture
Publication: Research - peer-review › Journal article – Annual report year: 1996

Thermodynamics of Asphaltenes Precipitation and Dissolution Investigation of Temperature and Solvent Effects
Publication: Research - peer-review › Journal article – Annual report year: 1996
Phase equilibria in petroleum fluids: multiphase regions and wax formation
Publication: Research › Ph.D. thesis – Annual report year: 1995

Understanding Miscibility in Gas Injection Processes
Publication: Research › Poster – Annual report year: 1994

Projects:

High Pressure Phase Behavior of Asymmetric Mixtures for Oil Production
Project: PhD

Estimation of Matrix Flow contribution in naturally fractured reservoirs
Project: PhD

Computation of Simultaneous Phase and Chemical Equilibrium
Project: PhD

Compositional Simulation of Heavy Oil Production with Steam and Solvent
Project: PhD

Compositional Reservoir Simulation Involving Complex Phase Equilibria
Project: PhD

PhD Scholarship in Nanoscale Imaging of the Aqueous Processes of Precipitation, Dispersion and Imbition
Project: PhD

Study of High Pressure and High Temperature Reservoir Fluids
Project: PhD

Measurement and modelling of phase equilibrium of oil-water,polar chemicals
Project: PhD

Smart Water
Project

BioRec
Project

Disc. Meeting, løbende
Project

Integrated Modeling of Oil Reservoirs - history matching and geostatistical analysis
Project: PhD

Integrated Modeling of Oil Reservoirs - seismic and geostatistical analysis
Project: PhD

CERE Administration
Project
Stochastic Modelling Polydisperse Transport of Particles in Porous Media
Project: PhD

Thermodynamic Modelling of Acid Gases - Alkanolamine Systems
Project: PhD

Ionic Liquids for CO2 Capture
Project

Advanced Waterflooding in Low Permeable Carbonate Reservoirs
Project: PhD

Reactive Transport in Oil Recovery Processes
Project: PhD

CO2 capture from flue gas using amino acid salt solutions
Project: PhD

CompSim
Project

Multiphase flows in porous media
Project: PhD

Enhanced Oil Recovery with Surfactant Flooding
Project: PhD

Distribution of Complex Chemicals in Oil-Water Systems
Project: PhD

CO2 Capture with Aqueous Ammonia
Project: PhD

Oliespild i Arktis
Project: PhD

ADORE - Advanced Oil Recovery Methods
Project

Design of CO2 Capture Units using Aqueous Alkanolamines
Project: PhD

Øget olieudvinding gennem CO2 udnyttelse
Project

Co2 Injection in Low Permeable Oil and Gas Reservoir
Project: PhD

Avanceret Reservoir Simulering
Project: PhD
Modelling of CO2 Capture
Project

Development of Derivatized Hyaluronic Acid and Formulation of Nanocapsules for Delivery of Cosmetic Actives and Pharmaceutical Drugs
Project: PhD

Petrochallenge – a Competition for High Schools
Project

History Matching using Stochastic Methods
Project: PhD

Avanceret Reservoirsimulering
Project: PhD

Temperaturafhængighed af bjergartsmekaniske egenskaber
Project: PhD

Corrosion in Wet Gas Pipelines
Project: PhD

Modelling of Enzymatic Hydrolysis of Lignocellulosic Material
Project: PhD

CO2 Capture from Coal Fired Power Plants
Project: PhD

Modelling of Complex Mixtures Containing Hydrogen Bonding Molecules using CPA EOS
Project: PhD

Experimental Studies and Modeling of Asphaltene Precipitation Caused by Gas Injection
Project: PhD

Modelling of Mineral Scale Deposition
Project: PhD

Compositional Streamline Simulation.
Project: PhD

Transport Coefficients in Hydrocarbon Mixtures under Microgravity Conditions
Project: PhD

Mætningsfordeling og petrofysiske egenskaber i lav-permable Nordsø kalkreservoirer
Project: PhD
Dissolution and Adsorption of Light Hydrocarbons in Drilling Muds, Prediction of the Nature of a Reservoir Fluid Based on Gas Shows
Project: PhD

Phase behavior and transport processes in porous media
Project: PhD

Phase behavior of Aqueous of Surfactant Solution
Project: PhD

Fasefordeling af produktionskemikalier
Project: PhD

Kompositionel reservoirsimulering af gas injektionsprocesser
Project: PhD

Kulbrinters egenskaber ved høje tryk og temperaturer
Project: PhD

Modellering af kulbrintheblandingers faseopførsel ved høje tryk og temperaturer
Project: PhD

Measurement of Phase Equilibria and Transport Properties (C.2)
Project

Modelling of Phase Equilibria and Transport Properties (C.1)
Project

Phase Behavior of Asphaltene Containing Reservoir Fluids (C.5)
Project

Phase Equilibria Including an Aqueous Phase (C.3)
Project

Recovery processes (C.7)
Project

Simulation of IOR/EOR with advanced thermodynamic models (C.8)
Project

Wax Formation in Reservoir Fluids (C.6)
Project

Effekt af varmebehandling på begkvalitet
Project: PhD

Kolloide egenskaber af asfaltener i olier
Project: PhD

Oil recovery processes
Project: PhD
Raman Spectroscopy Analysis of Phase Equilibria
Project

Gasinjektion i
Project: PhD

Dannelse af organiske faste faser i kulbrinteblandinger
Project: PhD

Termodynamik i kompositionel reservoir simulering
Project: PhD

Forædling af rapsolie
Project: PhD

Fortrængningsprocesser i Porøse Medier
Project: PhD

Modellering af reservoirfluider ved højt tryk og høj temperatur
Project: PhD

Development of an improved microwave apparatus for detection of high pressure dew and bubble points
Project: PhD

Mikroskala modellering og eksperimentelle studier af strømnin i porøse medier
Project: PhD

Phase behavior of near critical hydrocarbon fluids
Project: PhD

Phase Equilibria in petroleum fluids: multiphase regions and waxformation.
Project: PhD

Simulering af forbedret olieindvinding (IOR) med avancerede termodynamiske modeller
Project: PhD

Termodynamiske modeller i kompositionel reservoir-simulering
Project: PhD

Studies of the phase behavior and physical properties of hydrocarbon fluids
Project: PhD

Activities:

Thermodynamic modeling of sour gas cleaning process with alkanolamine: Oral presentation at the 25th European Symposium on Applied Thermodynamics (ESAT), St.Petersburg, Russia
Activity: Talks and presentations | Conference presentations

Thermodynamic modeling of sour gas cleaning process with alkanolamine: Presented at (oral presentation) CERE discussion meeting, Hillerød