Flemming Yssing Hansen - DTU Orbit (17/01/2019)

Department of Chemistry

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Research outputs:

A neutron scattering and electron microscopy study of the structure, wetting, and freezing behavior of water near hydrophilic CuO-nanostructured surfaces
Research output: Research - peer-review › Journal article – Annual report year: 2019

Effect of melittin on water diffusion and membrane structure in DMPC lipid bilayers
Research output: Research - peer-review › Journal article – Annual report year: 2018

On the structure and dynamics of water associated with single-supported zwitterionic and anionic membranes
Research output: Research - peer-review › Journal article – Annual report year: 2017

Unified quantum theory of elastic and inelastic atomic scattering from a physisorbed monolayer solid
Research output: Research - peer-review › Journal article – Annual report year: 2017

Structure and dynamics of water and lipid molecules in charged anionic DMPG lipid bilayer membranes
Research output: Research - peer-review › Journal article – Annual report year: 2016

On the freezing behavior and diffusion of water in proximity to single-supported zwitterionic and anionic bilayer lipid membranes
Research output: Research - peer-review › Journal article – Annual report year: 2014

Atomic scattering from an adsorbed monolayer solid with a helium beam that penetrates to the substrate
Research output: Research - peer-review › Journal article – Annual report year: 2013

Diffusion of water and selected atoms in DMPC lipid bilayer membranes
Research output: Research - peer-review › Journal article – Annual report year: 2012

Study of water diffusion on single-supported bilayer lipid membranes by quasielastic neutron scattering
Research output: Research - peer-review › Journal article – Annual report year: 2012

Calculation of inelastic helium atom scattering from H2/ NaCl(001)
Research output: Research - peer-review › Journal article – Annual report year: 2011

Mean span dimensions of ideal polymer chains containing branches and rings
Research output: Research - peer-review › Journal article – Annual report year: 2011

Molecular-dynamics simulation of lateral friction in contact-mode atomic force microscopy of alkane films: The role of molecular flexibility
Research output: Research - peer-review › Journal article – Annual report year: 2011
A Theoretical Study of the Separation Principle in Size Exclusion Chromatography
Research output: Research - peer-review › Journal article – Annual report year: 2010

From Buffon's Needle to Partitioning of Polymers in Confining Pores
Research output: Research › Poster – Annual report year: 2010

How big are Polymers?: The span dimension as a measure of polymer size
Research output: Research › Paper – Annual report year: 2010

Inelastic Helium atom scattering from the commensurate monolayer solid H_2/NaCl(001)
Research output: Research › Conference abstract in proceedings – Annual report year: 2010

Localized diffusive motion on two different time scales in solid alkane nanoparticles
Research output: Research › peer-review › Journal article – Annual report year: 2010

Self-assembly of submonolayer-coverage organic films
Research output: Research › Poster – Annual report year: 2010

Studies of the Temperature-Dependent Structure of DMPC bilayer membranes by atimic force spectroscopy
Research output: Research › Conference abstract in proceedings – Annual report year: 2010

Studies of water diffusion on single-supported bilayer lipid membranes by quasielastic neutron scattering
Research output: Research › Conference abstract in proceedings – Annual report year: 2010

The critical molecular size parameter in size exclusion chromatography: Theory and experimental evidence
Research output: Research › Poster – Annual report year: 2010

Crystalline-to-plastic phase transitions in molecularly thin n-dotriacontane films adsorbed on solid surfaces
Research output: Research - peer-review › Journal article – Annual report year: 2009

Decomposition of molecular motions into translational, rotational, and intramolecular parts by a projection operator technique
Research output: Research - peer-review › Journal article – Annual report year: 2009

Effects of Fatty Acid Inclusion in a DMPC Bilayer Membrane
Research output: Research - peer-review › Journal article – Annual report year: 2009

Equilibrium partitioning of polymers between bulk dilute solution and confining pores
Research output: Research › Conference abstract in proceedings – Annual report year: 2009

Equilibrium Partitioning of Polymers between Bulk Dilute Solution and Confining Pores
Research output: Research - peer-review › Poster – Annual report year: 2009

Molecular dynamics simulation of friction in contact-mode atomic force microscopy of alkane films and nanoparticles
Research output: Research › Conference abstract in proceedings – Annual report year: 2009

Non-translational molecular diffusive motion on two different time scales in alkane nanoparticles
Research output: Research › Conference abstract in proceedings – Annual report year: 2009

Structure and Growth of Vapor-Deposited n-Dotriacontane Films Studied by X-ray Reflectivity
Research output: Research - peer-review › Journal article – Annual report year: 2009
Structure and phase transitions of monolayers of intermediate-length n-alkanes on graphite studied by neutron diffraction and molecular dynamics simulation
Research output: Research - peer-review › Journal article – Annual report year: 2009

Equilibrium partitioning of macromolecules in confining geometries: Improved universality with a new molecular size parameter
Research output: Research - peer-review › Journal article – Annual report year: 2008

Exotic behavior of Alkane Nanoparticles
Research output: Research › Sound/Visual production (digital) – Annual report year: 2008

Flow Induced growth of striped alkane monolayers
Research output: Research › Conference abstract in proceedings – Annual report year: 2008

Molecular Dynamics simulations of layers of linear and branched alkanes under stress
Research output: Research › Conference abstract in proceedings – Annual report year: 2008

Molecular dynamics studies of the structure and dynamics of “perpendicular” layers of n-alkane molecules adsorbed on a solid substrate
Research output: Research › Conference abstract in proceedings – Annual report year: 2008

Proof of the identity between the depletion layer thickness and half the average span for an arbitrary polymer chain
Research output: Research - peer-review › Journal article – Annual report year: 2008

Studies of the dynamics of alkane nanoparticles
Research output: Research › Conference abstract in proceedings – Annual report year: 2008

Theories of molecular reaction dynamics: The microscopic foundation of chemical kinetics
Research output: Research - peer-review › Book – Annual report year: 2008

A general method to study equilibrium partitioning of macromolecules
Research output: Research › Sound/Visual production (digital) – Annual report year: 2007

A general method to study equilibrium partitioning of macromolecules into confining geometries
Research output: Research › Conference abstract for conference – Annual report year: 2007

A study of SEC chromatograms on the basis of polymer structure properties
Research output: Research › Sound/Visual production (digital) – Annual report year: 2007

Comparative study of normal and branched alkane monolayer films adsorbed on a solid surface. II. Dynamics
Research output: Research - peer-review › Journal article – Annual report year: 2007

Comparative study of normal and branched alkane monolayer films adsorbed on a solid surface. I. Structure
Research output: Research - peer-review › Journal article – Annual report year: 2007

Comparison of the wetting behavior of dotriacontane films adsorbed on SiO_2 surfaces by physical vapor deposition with that of films dip-coated in solution
Research output: Research › Poster – Annual report year: 2007

Contact Angle Measurements by AFM of droplets of intermediate length alkane molecules adsorbed on SiO_2 surfaces
Research output: Research › Conference abstract in proceedings – Annual report year: 2007
Delayering of Intermediate-Length Alkanes Adsorbed on Solid Surfaces,
Research output: Research › Conference abstract in proceedings – Annual report year: 2007

Enhanced creation of dispersive monolayer phonons in Xe/Pt(111) by inelastic helium atom scattering at low energies
Research output: Research › peer-review › Journal article – Annual report year: 2007

Generation of thermodynamic data for organic liquid mixtures from molecular simulations
Research output: Research › Conference article – Annual report year: 2007

Low energy inelastic helium atom scattering from a monolayer solid
Research output: Research › Conference abstract in proceedings – Annual report year: 2007

Molekylsimulering i industriell sammenhæng
Research output: Research › Journal article – Annual report year: 2007

Nanoscale Observation of Alkane Delayering
Research output: Research › peer-review › Journal article – Annual report year: 2007

Nanoscale observation of delayering in alkane films
Research output: Research › Journal article – Annual report year: 2007

Reparameterization of all-atom dipalmitoylphosphatidylcholine lipid parameters enables simulation of fluid bilayers at zero tension
Research output: Research › Journal article – Annual report year: 2007

Simulation of the coupling between nucleotide binding and transmembrane domains in the ABC transporter BtuCD
Research output: Research › peer-review › Journal article – Annual report year: 2007

State conditions transferability of vapor-liquid equilibria via fluctuation solution theory with correlation function integrals from molecular dynamics simulations
Research output: Research › Journal article – Annual report year: 2007

Studies of dynamical layering in adsorbed alkane films by molecular dynamics and quasielastic neutron scattering
Research output: Research › Conference abstract in proceedings – Annual report year: 2007

Thermodynamic Models from Fluctuation Solution Theory Analysis of Molecular Simulations
Research output: Research › Sound/Visual production (digital) – Annual report year: 2007

Thermodynamic Models from Fluctuation Solution Theory Analysis of Molecular Simulations
Research output: Research › Article in proceedings – Annual report year: 2007

Thermodynamic Models from Fluctuation Solution Theory Analysis of Molecular Simulations
Research output: Research › Conference article – Annual report year: 2007

Thermodynamic Models from Fluctuation Solution Theory Analysis of Molecular Simulations
Research output: Research › Poster – Annual report year: 2007

A comparative study of normal and branched alkane monolayer films of relevance to nanolubrication: II Dynamics.
Research output: Research › Poster – Annual report year: 2006
Comparison of Thickness and Morphology of Dotriacontane Films on SiO_2/Si surfaces Vapor-Deposited in High Vacuum with those Deposited from Solution
Research output: Research › Conference abstract in proceedings – Annual report year: 2006

DPD and its application in studying polymer science
Research output: Research › Sound/Visual production (digital) – Annual report year: 2006

Ellipsometric Measurements of Dotriacontane Films Adsorbed on Au(111) Surfaces
Research output: Research › Conference abstract in proceedings – Annual report year: 2006

Generation of thermodynamic data for organic liquid mixtures from molecular simulations
Research output: Research › Poster – Annual report year: 2006

Generation of Thermodynamic Data for Organic Liquid Mixtures from Molecular Simulations
Research output: Research › Sound/Visual production (digital) – Annual report year: 2006

Low energy Inelastic Helium Scattering from Monolayers
Research output: Research › Conference abstract in proceedings – Annual report year: 2006

MD Simulation of polymer melts: Potential Model, Chain Architecture and DPD Thermostat
Research output: Research › Poster – Annual report year: 2006

Molecular dynamics simulation of polymer melts: potential model, chain architecture and
Research output: Research › Poster – Annual report year: 2006

Nanoscale Observation of Alkane Dewetting
Research output: Research › Conference abstract in proceedings – Annual report year: 2006

Prediction of Bubble Point Pressure Curve for the Binary System of Ethanol and 1,1,1,2,3,3,3-Heptafluoropropane at 283.17 K and 343.13 K
Research output: Research › Sound/Visual production (digital) – Annual report year: 2006

Studies of dynamical layering in adsorbed organic films
Research output: Research - peer-review › Article in proceedings – Annual report year: 2006

Topography and Wetting of Dotriacontane Films on Graphite Surfaces
Research output: Research › Conference abstract in proceedings – Annual report year: 2006

Atomic force microscopy measurements of topography and friction in dotriacontane films adsorbed on a $\text{SiO}_2$ surface
Research output: Research - peer-review › Journal article – Annual report year: 2005

Atomic Force Microscopy Measurements of Topography and Friction in Dotriacontane Films Adsorbed on $\text{SiO}_2$
Research output: Research › Conference abstract in proceedings – Annual report year: 2005

Atomic force microscopy measurements of topography and friction on dotriacontane films adsorbed on a SiO2 surface
Research output: Research - peer-review › Journal article – Annual report year: 2005

Ellipsometric and neutron diffraction study of pentane physisorbed on graphite
Research output: Research - peer-review › Journal article – Annual report year: 2005
Excitation of the shear horizontal mode in a monolayer by inelastic helium atom scattering
Research output: Research - peer-review » Journal article – Annual report year: 2005

Excitation of the Shear Horizontal Mode in a Monolayer by Inelastic Helium Atom Scattering
Research output: Research » Conference abstract in proceedings – Annual report year: 2005

Growth of Flat Au(111) Surfaces on Mica for Ellipsometric, AFM and X-ray Studies of Organic Films
Research output: Research » Conference abstract in proceedings – Annual report year: 2005

Methodological problems in pressure profile calculations for lipid bilayers
Research output: Research » Conference abstract for conference – Annual report year: 2005

Multilevel Modeling of Complex Systems
Research output: Research » Conference abstract in proceedings – Annual report year: 2005

Nanoscale Observation of Alkane Dewetting
Research output: Research » Conference abstract in proceedings – Annual report year: 2005

Studies of Dynamical Layering in Adsorbed Organic Films
Research output: Research » Conference abstract in proceedings – Annual report year: 2005

Synchrotron X-ray Specular Reflectivity Measurements of Dotriacontane Films Adsorbed on a Ag(111) Surface
Research output: Research » Conference abstract in proceedings – Annual report year: 2005

A comparison of the Dynamics in monolayer films of the branched alkane squalane and the normal alkane tetracosane adsorbed on graphite
Research output: Research » Conference abstract in proceedings – Annual report year: 2004

Analysis of the center of mass-, rotational- and intramolecular diffusive motions in a monolayer film of intermediate-length alkane molecules adsorbed on a solid surface
Research output: Research » Journal article – Annual report year: 2004

Atomic force microscopy measurement of topography and friction in dotriacontane films adsorbed on SiO_2
Research output: Research » Conference abstract in proceedings – Annual report year: 2004

Energetics and Dynamics of Phosphorylation of Asp54 in the Response Regulator Protein Spo0F
Research output: Research » Poster – Annual report year: 2004

Estimating the Free-Energy Changes Associated with Trypsin Activation Using Steered Molecular Dynamics
Research output: Research » Poster – Annual report year: 2004

Inelastic scattering of He by a Xenon monolayer
Research output: Research » Conference abstract in proceedings – Annual report year: 2004

Intramolecular diffusive motion in alkane monolayers studied by high-resolution quasielastic neutron scattering and molecular dynamics simulations
Research output: Research » Journal article – Annual report year: 2004

Molecular diffusive motion in a bilayer fluid of tetracosane adsorbed on graphite
Research output: Research » Conference abstract in proceedings – Annual report year: 2004
Molecular dynamics simulations of the structure of multilayer films of intermediate-length alkane molecules adsorbed on a solid surface
Research output: Research › Conference abstract in proceedings – Annual report year: 2004

Slow Diffusive Motions in a Monolayer of Tetracosane Molecules Adsorbed on Graphite
Research output: Research › Journal article – Annual report year: 2004

Structure and growth of dotriacontane films on SiO_2 and Ag(111) surfaces: synchrotron X-ray scattering and molecular dynamics simulations
Research output: Research - peer-review › Journal article – Annual report year: 2004

Studies of the structure and growth mode of dotriacontane films by synchrotron x-ray scattering and molecular dynamics simulations
Research output: Research - peer-review › Journal article – Annual report year: 2004

Study of octacosane and triacontane films by high-resolution ellipsometry
Research output: Research › Conference abstract in proceedings – Annual report year: 2004

Synchrotron x-ray scattering study of the structure of dotriacontane adsorbed on a Ag(111) surface
Research output: Research › Conference abstract in proceedings – Annual report year: 2004

The Effect of the Atomic Dynamics in a Crystalline Catalyst on the Rate Constant for a Catalyzed Chemical Reaction
Research output: Research - peer-review › Journal article – Annual report year: 2004

A novel growth mode of alkane films on a SiO_2 surface
Research output: Research - peer-review › Journal article – Annual report year: 2003

Ellipsometric Study of Dotriacontane Adsorbed on Si (100)/SiO_2 Surfaces
Research output: Research › Conference abstract for conference – Annual report year: 2002

High-resolution ellipsometric study of an n-alkane film, dotriacontane, adsorbed on a SiO_2 surface
Research output: Research - peer-review › Journal article – Annual report year: 2002

Transition-state theory and dynamical corrections
Research output: Research - peer-review › Journal article – Annual report year: 2002

Diffusive motion in monolayers and submonolayer nitrogen
Research output: Research - peer-review › Conference article – Annual report year: 2001

Diffusive motion in monolayers of n-alkane tetracosane adsorbed on graphite
Research output: Research - peer-review › Conference article – Annual report year: 2001

Effects on the structure of monolayer and submonolayer fluid nitrogen films by the corrugation in the holding potential of nitrogen molecules
Research output: Research - peer-review › Journal article – Annual report year: 2001

Growth of n-alkane films on a single-crystal substrate
Research output: Research - peer-review › Journal article – Annual report year: 2001

High resolution ellipsometric study of n-alkane films adsorbed on Si (100)
Research output: Research - peer-review › Conference article – Annual report year: 2001
Molecular diffusion in monolayer and submonolayer nitrogen
Research output: Research - peer-review › Journal article – Annual report year: 2001

Monolayer structure of the n-alkane tetracosane
Research output: Research - peer-review › Conference article – Annual report year: 2001

Separation of the quasielastic neutron scattering from n-alkane monolayers into contribution from different types of molecular diffusive motions
Research output: Research - peer-review › Conference article – Annual report year: 2001

X-ray specular reflectivity study of an n-alkane film dotriacontane, adsorbed on Si (100) substrates
Research output: Research - peer-review › Conference article – Annual report year: 2001

Apparent tunneling in chemical reactions
Research output: Research - peer-review › Journal article – Annual report year: 2000

Diffusive motion in model soft matter systems: Quasielastic neutron scattering study of short- and intermediate-length alkane layers
Research output: Research - peer-review › Journal article – Annual report year: 2000

Dynamics of intermediate-length alkane films adsorbed on graphite
Research output: Research - peer-review › Journal article – Annual report year: 2000

Effect of solvent on the dynamics of an intermediate length n-alkane monolayer studied by quasielastic neutron scattering
Research output: Research - peer-review › Journal article – Annual report year: 1999

Intramolecular and Lattice Melting in n-Alkane Monolayers: An Analog of Melting in Lipid Bilayers
Research output: Research - peer-review › Journal article – Annual report year: 1999

Melting transition in an intermediate length n-alkane monolayer studied by quasielastic neutron scattering
Research output: Research - peer-review › Journal article – Annual report year: 1999

Negative slope of the melting line of an intermediate length n-alkane monolayer
Research output: Research - peer-review › Journal article – Annual report year: 1999

Neutron diffraction studies of the structure, growth and melting of intermediate length n-alkane films adsorbed on graphite.
Research output: Research - peer-review › Journal article – Annual report year: 1999

Simulations of the monolayer fluid phase of nitrogen molecules adsorbed on the basal planes of graphite: effects of the corrugation in the holding potential
Research output: Research - peer-review › Journal article – Annual report year: 1999

The mechanism of melting in monolayer films of short and intermediate length n-alkanes adsorbed on graphite.
Research output: Research › Journal article – Annual report year: 1999

Growth kinetics of hexane films adsorbed on the Ag(111) surface.
Research output: Research - peer-review › Journal article – Annual report year: 1998

Molecular dynamics simulations and neutron diffraction studies of the structure and melting of long n-alkane monolayers on graphite.
Research output: Research - peer-review › Journal article – Annual report year: 1998
Monolayer solid of N-2/Ag(111)
Research output: Research - peer-review › Journal article – Annual report year: 1998

Quasielastic neutron scattering study of solvent dynamics in selective adsorption.
Research output: Research - peer-review › Journal article – Annual report year: 1998

Structure and dynamics of monolayer films of n-alkane molecules adsorbed on graphite.
Research output: Research - peer-review › Article in proceedings – Annual report year: 1998

Temperature dependence of the dissociative sticking probability of N2 on Fe(111): Evidence for both a direct and a precursor mechanism.
Research output: Research - peer-review › Journal article – Annual report year: 1998

The incommensurate monolayer solid of N2/Ag(111) modelled by molecular dynamics simulations.
Research output: Research - peer-review › Journal article – Annual report year: 1998

Laser-induced vibrational dynamics of ozone in solid argon.
Research output: Research - peer-review › Journal article – Annual report year: 1997

Mode damping in a commensurate monolayer solid
Research output: Research - peer-review › Journal article – Annual report year: 1997

Quasielastic neutron scattering and molecular dynamics simulation of molecular conformational changes in adsorbed monolayers
Research output: Research - peer-review › Journal article – Annual report year: 1997

Quasielastic neutron scattering and molecular dynamics simulation studies of the melting transition in butane and hexane monolayers adsorbed on graphite.
Research output: Research - peer-review › Journal article – Annual report year: 1997

Simulations of the fluid phase of nitrogen molecules adsorbed on the basal planes of graphite structural and dynamical effects of the corrugation in the holding potential
Research output: Research - peer-review › Journal article – Annual report year: 1997

Dynamical Excitations in Submonolayer N2/Graphite
Research output: Research - peer-review › Journal article – Annual report year: 1996

Molecular-dynamics simulations of the dynamical excitations in commensurate submonolayer films of nitrogen molecules on graphite
Research output: Research - peer-review › Journal article – Annual report year: 1996

Radiative Damping of zone--center modes
Research output: Research - peer-review › Journal article – Annual report year: 1996

Mechanism of melting in submonolayer films of nitrogen molecules adsorbed on the basal planes of graphite
Research output: Research - peer-review › Journal article – Annual report year: 1995

Molecular-dynamics study of the dynamical excitations in commensurate monolayer films of nitrogen molecules on graphite: A test of the corrugation in the nitrogen-graphite potential
Research output: Research - peer-review › Journal article – Annual report year: 1995

New insight in the microscopic mechanism of the catalytic synthesis of ammonia
Research output: Research - peer-review › Journal article – Annual report year: 1995
The surface temperature effect on the dissociative sticking of N2 on Fe(111)
Research output: Research - peer-review › Journal article – Annual report year: 1995

Molecular dynamics simulations of excitations and diffusion in monolayer films of intermediate length n-alkane molecules adsorbed on graphite
Research output: Research - peer-review › Journal article – Annual report year: 1994

Molecular dynamics studies of the melting of butane and hexane monolayers adsorbed on the basal-plane surface of graphite
Research output: Research - peer-review › Journal article – Annual report year: 1993

Catalytic synthesis of ammonia using vibrationally excited nitrogen: The effect of vibrational relaxation
Research output: Research - peer-review › Journal article – Annual report year: 1992

Catalytic synthesis of ammonia using vibrationally excited nitrogen molecules: Theoretical calculation of equilibrium and rate constants
Research output: Research - peer-review › Journal article – Annual report year: 1992

Electrostatic forces and the frequency spectrum of a monolayer solid of linear molecules on graphite
Research output: Research - peer-review › Journal article – Annual report year: 1992

Melting mechanism in monolayers of flexible rod-shaped molecules
Research output: Research - peer-review › Journal article – Annual report year: 1992

The accuracy of the time-dependent self-consistent-field approximation for inelastic collisions
Research output: Research - peer-review › Journal article – Annual report year: 1992

Corrugation in the nitrogen-graphite potential probed by inelastic neutron scattering
Research output: Research - peer-review › Journal article – Annual report year: 1990

Dissociative chemisorption of N2 on Rhenium: Dynamics at high impact energies
Research output: Research - peer-review › Journal article – Annual report year: 1990

Dissociative chemisorption of N2 on Rhenium: Dynamics at low impact energies
Research output: Research - peer-review › Journal article – Annual report year: 1990

The time propagation of the stationary states of a Morse oscillator by the Gaussian wave packet method
Research output: Research - peer-review › Journal article – Annual report year: 1989

Phase space representation of quantum mechanics: Approximate dynamics of the Morse oscillator
Research output: Research - peer-review › Journal article – Annual report year: 1988

Theoretical and experimental study of the vibrational excitations in ethane monolayers adsorbed on graphite (0001) surfaces
Research output: Research - peer-review › Journal article – Annual report year: 1987

Henry Lewis McMurry
Research output: Research - peer-review › Journal article – Annual report year: 1986

On the representation of the electric charge distribution in ethane for calculations of the molecular quadrupole moment and intermolecular electrostatic energy
Calculation of the phonon density of states and related thermodynamic properties for trigonal selenium
Research output: Research - peer-review \ Journal article – Annual report year: 1983

Orientational ordering of commensurate Fe(CO)5 monolayers on graphite
Research output: Research - peer-review \ Journal article – Annual report year: 1983

Dynamics of liquid N2 studied by neutron inelastic scattering
Research output: Research - peer-review \ Journal article – Annual report year: 1982

Normal mode calculations of trigonal selenium
Research output: Research - peer-review \ Journal article – Annual report year: 1980

The use of symmetrized valence and relative motion coordinates for crystal potentials
Research output: Research - peer-review \ Journal article – Annual report year: 1980

Thermal Neutron Diffraction from the Liquids N2 and O2.: Determination of Nearest Neighbor Parameters and Angular Correlations
Research output: Research - peer-review \ Journal article – Annual report year: 1979

Generation of symmetry coordinates for crystals using multiplier representations of the space groups
Research output: Research - peer-review \ Journal article – Annual report year: 1978

A Procedure to Obtain Reliable Pair Distribution Functions of Non-Crystalline Materials from Diffraction Data
Research output: Research - peer-review \ Journal article – Annual report year: 1977

Erratum: Structure of amorphous selenium studied by neutron diffraction
Research output: Research - peer-review \ Journal article – Annual report year: 1975

Projects:

Undersøgelse af interaktioner mellemlectiner og sukkerarer, vha. AFM-mikrobiologi og molekylær dynamiske stimuleringer
Project: PhD

Molekylære Vekselvirkninger i Lipidmembraner studeret ved kalorimetri og fluorescensspektroskop
Project: PhD

Semi-klassiske metoder i molekylær dynamik
Project: PhD

Statistik mekanik af grænseflader i bløde stoffer
Project: PhD

Praktiske og teoretiske aspekter vedrørende elektrode-enhederne ved den elektrokinetiske jordrensningsmetode
Project: PhD
Molecular Dynamics Simulations of Proteins, Biomembrane Systems, and Interfaces  
Project: PhD

A Monte Carlo Study on the effects of excluded volume interactions on the scattering from block copolymer micelles and branched polymers  
Project: PhD

Eksperimentelle Studier af Lipidmembraners Overfladestruktur i Relation til Piposomers Funktionelle Egenskaber  
Project: PhD

Lipaseaktivitet i relation til lipidsubstraters fysiske egenskaber  
Project: PhD

Spontan dannelse af uorden i glasser  
Project: PhD

Femtokemi  
Project: PhD

Multilayer Actuators: Metal-Ceramic Compatibility as a Function of Composition, Sintering Temperature and Use  
Project: PhD

Selvorganisering i diffusivt drevne systemer med intrinisk ikke-linearitet.  
Project: PhD

Molecular Modelling of Polymer Melt Rheology  
Project: PhD

Termoelasticitet og Dynamik af Membraner og Makromolekyler  
Project: PhD

Molekyldynamiske simuleringer af Lipidmembraners Vekselvirkning med Membranaktive Enzymer  
Project: PhD

Theory and Modelling of Ultrfast x-ray Imaging of Dynamical Non-Equilibrium Systems  
Project: PhD

Molecular Modelling of Protein Systems  
Project: PhD

Oprensningmuligheder i forskellige sedimenttyper med den elektrokinetiske jordrensningsmetode  
Project: PhD

Molecular reaction dynamics  
Project: Research

Physisorption of Molecules to Solid Surfaces  
Project: Research

Chemical Reaction Dynamics  
Project: Research