Research outputs:

1. **Synthesis and stability of strongly acidic benzamide derivatives**
   Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

2. **Vapor pressure and specific electrical conductivity in the solid and molten H2O-CsH2PO4-CsPO3 system—a novel electrolyte for water electrolysis at ~225–400 °C**
   Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

3. **Development of Hybrid Vehicle for ground service handling operations**
   Research output: Contribution to conference › Paper – Annual report year: 2018 › Research › peer-review

4. **Influence of carbon monoxide on the cathode in high-temperature polymer electrolyte membrane fuel cells**
   Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

5. **Amino-Functional Polybenzimidazole Blends with Enhanced Phosphoric Acid Mediated Proton Conductivity as Fuel Cell Electrolytes**
   Aili, D., Javakhishvili, I., Han, J., Jankova Atanasova, K., Pan, C., Hvilsted, S., Jensen, J. O., Bjerrum, N. J. & Li, Q., 2016, In : Macromolecular Chemistry and Physics. 217, 10, p. 1161-1168
   Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

6. **Determination of Water Vapor Pressure Over Corrosive Chemicals Versus Temperature Using Raman Spectroscopy as Exemplified with 85.5% Phosphoric Acid**
   Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

7. **Electrochemical Studies of Corrosion in Liquid Electrolytes for Energy Conversion Applications at Elevated Temperatures**
   Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2016 › Research › peer-review

8. **Kinetic Study of the Chemical Vapor Deposition of Tantalum in Long Narrow Channels**
   Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

9. **Specific electrical conductivity in molten potassium dihydrogen phosphate KH2PO4 - An electrolyte for water electrolysis at ~300°C**
   Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review
Advances in the chemical vapor deposition (CVD) of Tantalum
Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2014 › Research

Advances In the chemical vapor deposition (CVD) of Tantalum
Research output: Contribution to journal › Conference abstract in journal – Annual report year: 2015 › Research › peer-review

A Stability Study of Alkali Doped PBI Membranes for Alkaline Electrolyzer Cells
Research output: Contribution to journal › Conference article in journal – Annual report year: 2014 › Research › peer-review

Development of Non-Platinum Catalysts for Intermediate Temperature Water Electrolysis
Research output: Contribution to journal › Conference abstract in journal – Annual report year: 2014 › Research › peer-review

Direct Dimethyl Ether High Temperature Fuel Cells
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2014 › Research › peer-review

Direct Dimethyl Ether High Temperature PEM Fuel Cells
Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2014 › Research

Direct Synthesis of Fe3C-Functionalized Graphene by High Temperature Autoclave Pyrolysis for Oxygen Reduction
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Highly active and stable Pt electrocatalysts promoted by antimony-doped SnO2 supports for oxygen reduction reactions
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

High Molecular Weight Polybenzimidazole Membranes for High Temperature PEMFC
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

High Surface Area Tungsten Carbides: Synthesis, Characterization and Catalytic Activity towards the Hydrogen Evolution Reaction in Phosphoric Acid at Elevated Temperatures
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Hollow Spheres of Iron Carbide Nanoparticles Encased in Graphitic Layers as Oxygen Reduction Catalysts
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review
Hollow Spheres of Iron Carbide Nanoparticles Encased in Graphitic Layers as Oxygen Reduction Catalysts
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Hydrogen evolution activity and electrochemical stability of selected transition metal carbides in concentrated phosphoric acid
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Intermediate Temperature Fuel Cell Using CsH2PO4/ZrO2-Based Composite Electrolytes
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Invited: A Stability Study of Alkali Doped PBI Membranes for Alkaline Electrolyzer Cells
Research output: Contribution to journal › Conference abstract in journal – Annual report year: 2014 › Research › peer-review

Novel non-platinum metal catalyst material

Oxygen evolution catalysts on supports with a 3-D ordered array structure and intrinsic proton conductivity for proton exchange membrane steam electrolysis
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Perovskites As Electrocatalysts for Alkaline Water Electrolysis
Research output: Contribution to journal › Conference abstract in journal – Annual report year: 2014 › Research › peer-review

Phosphate-Doped Carbon Black as Pt Catalyst Support: Co-catalytic Functionality for Dimethyl Ether and Methanol Electro-oxidation
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

The Electrochemical Behavior of Phosphoric-Acid-Doped Poly(perfluorosulfonic Acid) Membranes
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Thermal Stability and Proton Conductivity of Rare Earth Orthophosphate Hydrates
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review
Water steam electrolysis at intermediate temperature with Sn$_{0.9}$In$_{0.1}$P$_2$O$_7$ solid electrolyte
Research output: Contribution to conference › Poster – Annual report year: 2014 › Research

Activity and Durability Studies of Nanoparticulate, Thin Film and Bulk Electrocatalysts and they Supporting Materials for PEM and DMFCs
Research output: Contribution to conference › Poster – Annual report year: 2014 › Research

Antimony doped tin oxide modified carbon nanotubes as catalyst supports for methanol oxidation and oxygen reduction reactions
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Benzimidazole grafted polybenzimidazoles for proton exchange membrane fuel cells
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Catalyst Degradation in High Temperature Proton Exchange Membrane Fuel Cells Based on Acid Doped Polybenzimidazole Membranes
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

Conductivity of Composite Material Based on System NdPO$_4$$\cdot$nH$_2$O-CsH$_2$PO$_4$
Research output: Contribution to journal › Conference article – Annual report year: 2014 › Research › peer-review

Corrosion behavior of construction materials for intermediate temperature steam electrolyzers
Research output: Contribution to journal › Conference article – Annual report year: 2013 › Research › peer-review

Covalently Cross-Linked Sulfone Polybenzimidazole Membranes with Poly(Vinylbenzyl Chloride) for Fuel Cell Applications
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Crosslinked Hexafluoropropylidene Polybenzimidazole Membranes with Chloromethyl Polysulfone for Fuel Cell Applications
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Development and Study of Tantalum and Niobium Carbides as Electrocatalyst Supports for the Oxygen Electrode for PEM Water Electrolysis at Elevated Temperatures
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

Fabrication and Characterization of Materials and Components for Intermediate Temperature Fuel Cells and Water Electrolysers
Research output: Contribution to conference › Poster – Annual report year: 2013 › Research
Heterogeneous anion conducting membranes based on linear and crosslinked KOH doped polybenzimidazole for alkaline water electrolysis
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

Indium doped niobium phosphates as intermediate temperature proton conductors
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

Oxidative degradation of acid doped polybenzimidazole membranes and fuel cell durability in the presence of ferrous ions
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

Platinum Activated IrO2/SnO2 Nanocatalysts and Their Electrode Structures for High Performance Proton Exchange Membrane Water Electrolysis
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

Synthesis of self-supported non-precious metal catalysts for oxygen reduction reaction with preserved nanostructures from the polyaniline nanofiber precursor
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

A Direct DME High Temperature PEM Fuel Cell
Research output: Contribution to journal › Conference article – Annual report year: 2012 › Research › peer-review

Advanced Construction Materials for High Temperature Steam PEM Electrolysers
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2012 › Research › peer-review

Anion conducting polymer membranes for hydrogen production through alkaline water electrolysis
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2012 › Research › peer-review

Antimony doped tin oxides and their composites with tin pyrophosphates as catalyst supports for oxygen evolution reaction in proton exchange membrane water electrolysis
Research output: Contribution to journal › Conference article – Annual report year: 2012 › Research › peer-review

Bifunctional Pt-Si Alloys for Small Organic Molecule Electro-oxidation
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2012 › Research › peer-review
Conductive Properties of Neodymium Phosphate composites investigated by Electrochemical Impedance Spectra
Research output: Contribution to conference › Poster – Annual report year: 2012 › Research

Conductivity of NdPO₄-CsH₂PO₄ composites investigated by electrochemical impedance spectroscopy
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2012 › Research › peer-review

Corrosion behavior of construction materials for intermediate temperature steam electrolyzers
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2012 › Research › peer-review

Corrosion Behavior of Construction Materials for Intermediate Temperature Steam Electrolysers
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2012 › Research › peer-review

Development and study of tantalum and niobium carbides as catalyst supports for the oxygen evolution reaction (OER) for PEM water electrolysis at elevated temperatures
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2012 › Research › peer-review

Development of Refractory Ceramics for The Oxygen Evolution Reaction (OER) Electrocatalyst Support for Water Electrolysis at elevated temperatures
Research output: Contribution to journal › Conference article – Annual report year: 2012 › Research › peer-review

Direct dimethyl ether fueling of a high temperature polymer fuel cell
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

Direct dimethyl ether high temperature polymer electrolyte membrane fuel cells
Research output: Contribution to conference › Poster – Annual report year: 2012 › Research

Direct dimethyl ether high temperature polymer electrolyte membrane fuel cells with improved performance
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2012 › Research › peer-review

Efficient electrocatalytic oxygen reduction over selfsupported polyaniline-based non-precious metal catalyst
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2012 › Research › peer-review

Energy Dispersive X-ray Analysis used to quantify the Phosphoric Acid Doping Level in Polybenzimidazole based Fuel Cells
Fabrication and characterization of proton conducting composite materials for electrolytes in intermediate temperature fuel cells and water electrolyzers
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2012 › Research › peer-review

Fabrication and Characterization of Proton Conducting Phosphate Electrolytes for Intermediate Temperature Fuel Cell Assembling
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2013 › Research › peer-review

High Temperature Polymer Fuel Cells: From laboratory towards commercialization
Research output: Contribution to conference › Paper – Annual report year: 2012 › Research

Metal Phosphates as Intermediate Temperature Proton Conducting Electrolytes
Research output: Contribution to journal › Conference article – Annual report year: 2012 › Research › peer-review

Nickel and its alloys as perspective materials for intermediate temperature steam electrolyser operating on proton conducting solid acids as electrolyte
Research output: Contribution to journal › Conference article – Annual report year: 2013 › Research › peer-review

Niobium phosphates as an intermediate temperature proton conducting electrolyte for fuel cells
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

Novel Ceramic Materials for Polymer Electrolyte Membrane Water Electrolysers’ Anodes
Research output: Contribution in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2012 › Research › peer-review

PEM steam electrolysis at 130 °C using a phosphoric acid doped short side chain PFSA membrane
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

Poly(aryl sulfone benzimidazole) and its copolymers as high temperature membrane electrolyte fuel cells
Poly(benzimidazole)–functionalized graphene as a stable and durable support for PEM fuel cell electrocatalysts
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2012 › Research › peer-review

Poly(benzimidazole)–functionalized graphene supported Pt electrocatalyst and its application in high temperature PEM fuel cells
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2012 › Research › peer-review

Polybenzimidazoles – Synthesis, characterizations and applications in the form of membranes
Research output: Book chapter › Book chapter – Annual report year: 2012 › Research › peer-review

Proton Conductive Niobium Phosphates as Electrolytes for Fuel Cells Operating with Renewable Biofuels
Research output: Contribution to conference › Paper – Annual report year: 2012 › Research › peer-review

Proton Conductivity of Refractory Metal Phosphates at Intermediate Temperatures
Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2012 › Research › peer-review

Recent Development of Acid Doped Polybenzimidazole Membranes in Denmark - Polymer Chemistry and Durability Issues
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2012 › Research › peer-review

Synthesis and properties of poly(aryl sulfone benzimidazole) and its copolymers for high temperature membrane electrolytes for fuel cells
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

Tantalum carbide as a novel support material for anode electrocatalysts in polymer electrolyte membrane water electrolyzers
Research output: Contribution to journal › Conference article – Annual report year: 2012 › Research › peer-review

Thermal curing of PBI membranes for high temperature PEM fuel cells
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

Transition metal carbides as electrode materials for HT PEM systems
Tungsten carbide promoted Pd and Pd-Co electrocatalysts for formic acid electrooxidation

Water Electrolysis using Polymeric Electrolyte Membranes at Elevated Temperatures

WC as a non-platinum hydrogen evolution electrocatalyst for high temperature PEM water electrolysers

Development and Characterisation of Active and Durable Electrocatalysts for HT-PEM Fuel Cells

Development and Characterisation of Active and Durable Electrocatalysts for HT-PEM Fuel Cells 2

Development of refractory ceramics for the oxygen evolution reaction (OER) catalyst support for water steam electrolysis

High temperature proton exchange membranes based on polybenzimidazole and clay composites for fuel cells
Method of operating a direct dme fuel cell system
Research output: Patent › Patent – Annual report year: 2012 › Research

Oxidative degradation of polybenzimidazole membranes as electrolytes for high temperature proton exchange membrane fuel cells
Research output: Contribution to journal › Conference article – Annual report year: 2011 › Research › peer-review

Performance and durability of high performance MEAs for high temperature PBI fuel cells
Research output: Contribution to conference › Paper – Annual report year: 2012 › Research › peer-review

Phosphoric acid doped membranes based on Nafion®, PBI and their blends – Membrane preparation, characterization and steam electrolysis testing
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Preparation and study of IrO2/Sic–Si supported anode catalyst for high temperature PEM steam electrolyzers
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Recent progress in material development and durability evaluation
Research output: Contribution to conference › Paper – Annual report year: 2011 › Research › peer-review

SiC-Si as a support material for oxygen evolution electrode in PEM steam electrolyzers
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2012 › Research › peer-review

1.7 nm Platinum Nanoparticles: Synthesis with Glucose Starch, Characterization and Catalysis
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

A direct DME fuel cell based on acid doped PBI
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2010 › Research › peer-review

A Medical Delivery Device
Research output: Patent › Patent – Annual report year: 2010 › Research

Development and Characterizations of High Performance MEAs For High Temperature PBI Fuel Cells
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2010 › Research › peer-review

Durability Issues and Status of High Temperature Proton Exchange Membrane Fuel Cells Based on Acid Doped Polybenzimidazole Membranes
Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2010 › Research

**High Temperature PEMFC and its Integration with Fuel Processors - An Approach to Portable Fuel Cells**

Li, Q., Jensen, J. O. & Bjerrum, N., 2010

Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2010 › Research

**Introduktion til højtemperatur PEM brændselceller**


Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2010 › Research

**Nafion®-Polybenzimidazole-Zirconium Phosphate composite membranes for steam electrolysis applications**


Research output: Contribution to conference › Poster – Annual report year: 2010 › Research › peer-review

**Ongoing Efforts Addressing Degradation of High Temperature PEMFC**


Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2010 › Research

**PEM fuel cells, Towards higher working temperature**

Jensen, J. O., Li, Q. & Bjerrum, N., 2010

Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2010 › Research

**Polymer Degradation and Catalyst Sintering in High Temperature PEMFC Based on Acid Doped Polybenzimidazole Membranes**


Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2010 › Research › peer-review

**Possibilities of High Temperature PEMFC as Compared with Conventional PEMFC**


Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2010 › Research

**Properties, degradation and high temperature fuel cell test of different types of PBI and PBI blend membranes**

Li, Q., Rudbeck, H. C., Chromik, A., Jensen, J. O., Pan, C., Steenberg, T., Calverley, M., Bjerrum, N. & Kerres, J., 2010,

In : Journal of Membrane Science. 347, 1-2, p. 260-270

Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

**Properties, Degradation and High Temperature Fuel Cell Test of Different Types of PBI and PBI Blend Membranes**


Research output: Conference abstract for conference – Annual report year: 2010 › Research › peer-review

**Recent advances with high temperature PEMFC in Denmark**

Jensen, J. O., Li, Q., Pan, C., Rudbeck, H. C., Steenberg, T. & Bjerrum, N., 2010

Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2010 › Research

**Silicon carbide-silicon as a support material for oxygen evolution reaction in PEM steam electrolysers**


Research output: Contribution to conference › Poster – Annual report year: 2010 › Research

**Strategic surface topographies for enhanced lubrication in sheet forming of stainless steel**


Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review
High temperature PEM fuel cells in Denmark
Research output: Contribution to conference › Paper – Annual report year: 2009 › Research

High temperature PEM fuel cells in Denmark: Part I: Introduction to HT-PEMFC, selected results, Part II: Durability, Electrolysis, activities in Denmark
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2009 › Research

High temperature PEM fuel cells in Denmark
Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2009 › Research

High temperature proton exchange membranes based on polybenzimidazoles for fuel cells
Research output: Contribution to journal › Journal article – Annual report year: 2009 › Research › peer-review

Modified PFSA Membranes for PEM Electrolysers at Elevated Temperatures
Christensen, E., Gu, Z., Aili, D., Li, Q. & Bjerrum, N., 2009
Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2009 › Research

Nafion-Polybenzimidazole-Zirconium Phosphate composite membranes for fuel cell and steam electrolyser applications
Li, Q., Gu, Z., Aili, D., Christensen, E. & Bjerrum, N., 2009
Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2009 › Research

PEM Fuel cells
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2009 › Research

PEM fuel cells at elevated temperature
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2009 › Research

Water electrolysis at elevated temperatures
Research output: Contribution to conference › Poster – Annual report year: 2009 › Research

Water electrolysis at elevated temperatures.
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2009 › Research

A high temperature PEMFC integrated with a diesel reforming system
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2008 › Research › peer-review

Cross-linked polybenzimidazole membranes for high temperature proton exchange membrane fuel cells with dichloromethyl phosphinic acid as a cross-linker
Partially fluorinated aarylene polyethers and their ternary blends with PBI and H3PO4. Part II. Characterisation and fuel cell tests of the ternary membranes

Partially fluorinated arylen polyethers and their ternary blend membranes with PBI and H3PO4. Part I. Synthesis and characterisation of polymers and binary blend membranes

Development of a high-pressure microbalance for hydrogen storage materials

Corrosion monitoring in a straw-fired power plant using an electrochemical noise probe

Catalytic reduction of NO by methane using a Pt/C/polybenzimidazole/Pt/C fuel cell

Cross-linked polybenzimidazole membranes for fuel cells

Doping phosphoric acid in polybenzimidazole membranes for high temperature proton exchange membrane fuel cells

Electrochemical Promotion of Catalytic Reactions Using

Electrochemical promotion of catalytic reactions with Pt/C (or Pt/Ru/C)/PBI catalysts

High temperature PEMFC and the possible utilization of the excess heat for fuel processing

Preparation and operation of gas diffusion electrodes for high-temperature proton exchange membrane fuel cells
Recent Development of PBI Membranes for PEMFC
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2007

The Energy Efficiency of Onboard Hydrogen Storage
Research output: Contribution to journal › Conference article – Annual report year: 2007

Brint og brændselceller
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2006

Bronsted acidic room temperature ionic liquids derived from N,N-dimethylformamide and similar protophilic amides
Research output: Contribution to journal › Journal article – Annual report year: 2006

Development of a high-pressure microbalance for hydrogen storage materials
Research output: Contribution to conference › Poster – Annual report year: 2006

Examination of catalytic reduction of NO by CH₄ in a Pt-polyimidazole membrane-Pt system with and without polarization
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2006

Gas Diffusion Electrodes for PBI Cells
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2006

Phosphoric acid doped Polybenzimidazole Composite Membranes for High temperature Proton Exchange Membrane Fuel Cells
Research output: Contribution to journal › Journal article – Annual report year: 2006

Physicochemical properties of phosphoric acid doped polybenzimidazole membranes for fuel cells
Research output: Contribution to journal › Journal article – Annual report year: 2006

Recent Progress in Preparation and Characterization of PBI Membranes for PEMFC
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2006

The Energy Efficiency of On-board Hydrogen Storage
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2006
100-200°C Polymer Fuel Cells for use with NaAlH4
Research output: Contribution to journal › Journal article – Annual report year: 2005 › Research › peer-review

200°C PEM Fuel Cells
Research output: Contribution to conference › Poster – Annual report year: 2005 › Research

Electrochemical and Spectroscopic Studies of the Chloro and Oxochloro Complex Formation of Nb(V) and Ta(V) in NaCl-AlCl3 Melts
Research output: Contribution to journal › Journal article – Annual report year: 2005 › Research › peer-review

Electrochemical noise measurements of steel corrosion in the molten NaCl-K2SO4 system
Research output: Contribution to journal › Journal article – Annual report year: 2005 › Research › peer-review

Fuel cells: a promise of electrochemistry and challenges for electrochemists
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2005 › Research

fuelcells: a promise of electrochemistry and challenges for electrochemists
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2005 › Research

FURIM: Further improvement of high temperature PEM fuel cells
Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2005 › Research

FURIM. Further improvement of high temperature PEM fuel cells
Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2005 › Research

High Temperature PEMFC
Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2005 › Research

High temperature PEM fuel cells at Technical University of Denmark
Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2005 › Research

HT-PEMFC as a bridge to new metal hydride systems
Research output: Contribution to conference › Paper – Annual report year: 2005 › Research

Integration of high temperature PEM fuel cells with a methanol reformer
Research output: Contribution to journal › Journal article – Annual report year: 2005 › Research › peer-review

Phosphoric acid doped AB-PBI membranes and its applications in high temperature PEMFC
Proton Conductivity and Operational Features Of PBI-Based Membranes
Research output: Chapter in Book/Report/Conference proceeding Article in proceedings – Annual report year: 2005 Research

Proton Exchange Membranes for Fuel Cells: - Challenges and Recent Developments
Research output: Chapter in Book/Report/Conference proceeding Article in proceedings – Annual report year: 2005 Research

Proton Exchange Membranes For Fuel Cells - Challenges And Recent Developments
Research output: Chapter in Book/Report/Conference proceeding Article in proceedings – Annual report year: 2005 Research

Recent Progress in High Temperature PEMFC and the Possible Utilization of the Excess Heat for Fuel Processing
Research output: Contribution to conference Conference abstract for conference – Annual report year: 2005 Research

The FURIM Project
Jensen, J. O., Li, Q. & Bjerrum, N., 2005
Research output: Non-textual form Sound/Visual production (digital) – Annual report year: 2005 Research

The FURIM Project (IP) - SES6-CT-2004-502782
Jensen, J. O., Li, Q. & Bjerrum, N., 2005
Research output: Non-textual form Sound/Visual production (digital) – Annual report year: 2005 Research

100-200°C Polymer Fuel Cells for use with NaAlH4
Research output: Contribution to conference Conference abstract for conference – Annual report year: 2004 Research

A PEMFC operating at up to 200°C as a possible link to the complex metal hydrides like NaAlH4
Research output: Contribution to conference Conference abstract for conference – Annual report year: 2004 Research

Ca-Ni alloys and the search for lighter interstitial hydrides. New metal hydrides for hydrogen storage
Jensen, J. O. & Bjerrum, N., 2004
Research output: Non-textual form Sound/Visual production (digital) – Annual report year: 2004 Research

Development of strategic surface topographies for lubrication in sheet forming of stainless steel
Research output: Chapter in Book/Report/Conference proceeding Article in proceedings – Annual report year: 2004 Research peer-review

Iodine as catalyst for the direct oxidation of methane to methyl sulfates in oleum
Research output: Contribution to journal Journal article – Annual report year: 2004 Research peer-review
Materials Issues and System Prospects of High Temperature PEMFC
Research output: Contribution to conference › Paper – Annual report year: 2004 › Research

PBI-based polymer membranes for high temperature fuel cells – preparation, characterizations and fuel cell demonstrations
Research output: Contribution to journal › Journal article – Annual report year: 2004 › Research › peer-review

Polymer Membranes for Fuel Cells
Research output: Contribution to conference › Paper – Annual report year: 2004 › Research

Water Uptake and Acid Doping of Polybenzimidazoles as Electrolyte Membranes for Fuel Cells
Research output: Contribution to journal › Journal article – Annual report year: 2004 › Research › peer-review

Acid-doped Polybenzimidazole Membranes as Electrolyte for Fuel Cells Operating Above 100°C
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2003 › Research › peer-review

Acid Doped Polybenzimidazole Membranes for Polymer Electrolyte Fuel Cells
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2003 › Research

Approaches and Recent Development of Polymer Electrolyte Membranes For Fuel Cells Operational Above 100°C: A Review
Research output: Contribution to journal › Journal article – Annual report year: 2003 › Research › peer-review

CO tolerance by the PEMFC operational at temperatures up to 200°C
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2003 › Research

Electrochemical promotion of NO reduction by hydrogen on a platinum/polybenzimidazole catalyst
Research output: Contribution to journal › Journal article – Annual report year: 2003 › Research › peer-review

HIGH TEMPERATURE POLYMER FUEL CELLS: HEAT UTILIZATION AND CO TOLERANCE
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2003 › Research

High temperature polymer fuel cells and their Interplay with fuel processing systems.
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2003 › Research
Integration of high temperature PEMFC with a methanol reformer
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2003 › Research

Lifetime Test of High Temperature PEM Fuel Cells
Research output: Contribution to conference › Poster – Annual report year: 2003 › Research

Light Metal Hydrides: Application of Bulk Materials
Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2003 › Research

New Polymer Electrolyte Membranes For Fuel Cells
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2003 › Research

NEW POLYMER ELECTROLYTE MEMBRANES FOR FUEL CELLS OPERATING ABOVE 100°C: - APPROACHES AND RECENT PROGRESS

Proton conductivity of phosphoric acid doped polybenzimidazole and its composites with inorganic proton conductors
Research output: Contribution to journal › Journal article – Annual report year: 2003 › Research › peer-review

The CO poisoning effect in PEMFCs operational at temperatures up to 200 degrees C
Research output: Contribution to journal › Journal article – Annual report year: 2003 › Research › peer-review

Aluminum as anode for energy storage and conversion: a review
Research output: Contribution to journal › Journal article – Annual report year: 2002 › Research › peer-review

A quasi-direct methanol fuel cell system based on blend polymer membrane electrolys
Research output: Contribution to journal › Journal article – Annual report year: 2002 › Research › peer-review

Electrochemical promotion of oxidative coupling of methane on platinum/polybenzimidazole catalyst
Research output: Contribution to journal › Journal article – Annual report year: 2002 › Research › peer-review

Polymer Electrolyte Membranes for Fuel Cells, State-of-the-art and Recent Progress.
Research output: Contribution to journal › Journal article – Annual report year: 2002 › Research › peer-review

Stability of CaNi5Hx stored at temperatures between 20 and 150 degrees C
Research output: Contribution to journal › Journal article – Annual report year: 2002 › Research › peer-review
Water Uptake and Acid Doping of Polybenzimidazole electrolyte Membranes for fuel Cells.
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2002 › Research

Development and characterization of acid-doped polybenzimidazole/sulfonated polysulfone blend polymer electrolytes for fuel cells
Research output: Contribution to journal › Journal article – Annual report year: 2001 › Research › peer-review

Electrosynthesis of tantalum borides in oxygen-free and oxygen-containing fluoride melts
Research output: Contribution to journal › Journal article – Annual report year: 2001 › Research › peer-review

High Temperature Polymer Fuel Cells
Research output: Contribution to conference › Poster – Annual report year: 2001 › Research

Oxidation of Methane in Oleum at Elevated Temperatures
Research output: Contribution to conference › Paper – Annual report year: 2001 › Research

Phosphoric acid doped polybenzimidazole membranes: Physiochemical characterization and fuel cell applications [PEM fuel cells]
Research output: Contribution to journal › Journal article – Annual report year: 2001 › Research › peer-review

POLYMER ELECTROLYTE MEMBRANE FUEL CELLS
Research output: Patent › Patent – Annual report year: 2001 › Research

The carbon monoxide poisoning effect on the performance of polymer electrolyte membrane fuel cells operational at temperatures up to 200°C
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2001 › Research

Anti corrosion layer for stainless steel in molten carbonate fuel cell - comprises phase vapour deposition of titanium nitride, aluminium nitride or chromium nitride layer then oxidising layer in molten carbonate electrolyte

Cold Forging of Stainless Steel with FeCl3 based lubricants
Research output: Contribution to journal › Journal article – Annual report year: 2000 › Research › peer-review

Corrosion Protection of Steel in Molten Li2CO3-K2CO3 and Na2CO3-K2CO3 Mixtures in a Hydrogen Containing Atmosphere
Research output: Contribution to journal › Journal article – Annual report year: 2000 › Research › peer-review
Development of air metal hydride battery
Research output: Contribution to conference › Poster – Annual report year: 2000 › Research

Direct Oxidation of Methane to Methanol by Mercuric Sulfate Catalyst
Research output: Contribution to journal › Journal article – Annual report year: 2000 › Research › peer-review

Electrochemical promotion of sulfur dioxide catalytic oxidation
Research output: Contribution to journal › Journal article – Annual report year: 2000 › Research › peer-review

Electrochemical studies of the molten system K2NbF7-Na2O-Nb-(LiF-NaF-KF)(eut) at 700 degrees C
Research output: Contribution to journal › Journal article – Annual report year: 2000 › Research › peer-review

Infrared and Raman Spectroscopic Investigations of the Nb(V) Fluoro and Oxofluoro Complexes in the LiF-NaF-KF (FLINAK) Eutectic Melt with Development of a Diamond IR-cell
Research output: Contribution to journal › Journal article – Annual report year: 2000 › Research › peer-review

Matrix Isolated Al2OF62fo Ion in Molten and Solid FLINAK
Research output: Contribution to journal › Journal article – Annual report year: 2000 › Research › peer-review

Metalhydridbatterier og lavtemperaturbrændselskeller
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2000 › Research

Metal hydride storage tank for demonstration in hydrogen vehicle
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2000 › Research

Miscibility Behavior of Polybenzimidazole/Sulfonated Polysulfone Blends for Use in Fuel Cell Applications
Research output: Contribution to journal › Journal article – Annual report year: 2000 › Research › peer-review

On the chemical nature of boundary lubrication of stainless steel by chlorine - and sulfur-containing EP-additives
Research output: Contribution to journal › Journal article – Annual report year: 2000 › Research › peer-review

Oxygen reduction on carbon supported platinum catalysts in high temperature polymer electrolytes
Research output: Contribution to journal › Journal article – Annual report year: 2000 › Research › peer-review

Raman Study of the Hexafluoroaluminate Ion in Solid and Molten FLINAK
Research output: Contribution to journal › Journal article – Annual report year: 2000 › Research › peer-review
Stability of CaNi5HX stored at temperatures between 20 and 150°C
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2000 › Research

Advanced Solid Polymer Fuel Cells for Operation at Temperatures up to 200°C
Research output: Book/Report › Report – Annual report year: 1999 › Research › peer-review

Advanced Solid Polymer Fuel Cells for Operation at Temperatures up to 200°C (ASPEC)
Research output: Book/Report › Report – Annual report year: 1999 › Research › peer-review

A PROCESS FOR THE CATALYTIC OXIDATION OF HYDROCARBONS
Research output: Patent › Patent – Annual report year: 1999 › Research

Complex formation during dissolution of metal oxides in molten alkali carbonates
Research output: Contribution to journal › Journal article – Annual report year: 1999 › Research › peer-review

Development and Characterization of Temperature-resistant Polymer Electrolytes
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 1999 › Research › peer-review

Development of Air Metal Hydride Battery (Amhbat): Fourth Periodic Report 1/12-98 til 30/11-99
Research output: Book/Report › Report – Annual report year: 1999 › Research › peer-review

Development of Air Metal Hydride Battery (Amhbat): Mid-term Review
Research output: Book/Report › Report – Annual report year: 1999 › Research › peer-review

Electrochemical Noise Measurements on Stainless Steel in the K2SO4-NaCl Molten System
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1999 › Research

Electrochemical promotion of sulfur dioxide catalytic oxidation
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1999 › Research

Estimation of temperature in the lubricant film during cold forging of stainless steel based on studies of phase transformation in the film
Research output: Contribution to journal › Journal article – Annual report year: 1999 › Research › peer-review

Højtemperaturkorrosion under Industrielle Forbrændingsprocesser
Research output: Book/Report › Report – Annual report year: 1999 › Research › peer-review
Investigation of mercury-catalyzed oxidation of methane to methanol
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1999 › Research › peer-review

Mechanisms of Lubrication and Compounds of Lubrication for ColdForging and Sheet Forging of Stainless Steel
Research output: Book/Report › Report – Annual report year: 1999 › Research › peer-review

Metal hydrides for electrodes: Towards higher capacity
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1999 › Research

Mechanisms of Lubrication and Compounds of Lubrication for ColdForging and Sheet Forging of Stainless Steel
Research output: Book/Report › Report – Annual report year: 1999 › Research › peer-review

Metal hydrides for electrodes: Towards higher capacity
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1999 › Research

Niobium Plating Processes in Alkali Chloride Melts
Research output: Contribution to journal › Journal article – Annual report year: 1999 › Research › peer-review

Oxygen reduction on carbon supported platinum catalysts in high temperature polymer electrolytes
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1999 › Research

Structural studies of disordered Mg2NiH4 formed by mechanical grinding
Research output: Contribution to journal › Conference article – Annual report year: 1999 › Research › peer-review

Systematic B-metal substitution in CaNi5
Research output: Contribution to journal › Journal article – Annual report year: 1999 › Research › peer-review

Tantalum coating of steel, copper, aluminium, and titanium by thermal chemical vapor deposition (CVD)
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1999 › Research

The effect of electrolysis on K2TaF7-LiF-NaF-KF-Na2O melts
Research output: Contribution to journal › Journal article – Annual report year: 1999 › Research › peer-review

The Effect of the Melting Composition on Electrode Processes and Structure of Tantalum-Boride Coatings
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1999 › Research

The Solubility of metal oxides in molten carbonates - why the acid-basic chemistry fails?
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 1999 › Research › peer-review
The Study of Electrode Processes in LiF-NaF-K2TaF7-KBF4 melt
Research output: Contribution to journal › Journal article – Annual report year: 1999 › Research › peer-review

Advanced Solid Polymer Fuel Cells for Operation at Temperatures up to 200°C (ASPEC): Technical report 1/2-98-30/6-98
Research output: Book/Report › Report – Annual report year: 1998 › Research › peer-review

Characterization of Niobium Platings Obtained from NaCl-KCl Melts
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1998 › Research

Chemical interactions between extreme pressure lubricants and stainless steel during ironing procedure.
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1998 › Research

Conversion of Methane
Research output: Book/Report › Report – Annual report year: 1998 › Research › peer-review

Corrosion behavior of various steels in molten NaCl-K2SO4
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1998 › Research

Development of Air Metal Hydride Battery (Amhbat): First Periodic Report 1/12-97 til 30/6-98
Research output: Book/Report › Report – Annual report year: 1998 › Research › peer-review

Development of Air Metal Hydride Battery (Amhbat): Second Periodic Report 1/12-97 til 30/11-98
Research output: Book/Report › Report – Annual report year: 1998 › Research › peer-review

Development of fuel cells
Research output: Book/Report › Report – Annual report year: 1998 › Research › peer-review

Electrochemical and Spectroscopic Investigation of Electrochemical Cells and Catalysts
Research output: Book/Report › Report – Annual report year: 1998 › Research › peer-review

Electrochemical study on the cationic promotion of the catalytic SO2 oxidation in pyrosulfate melts
Research output: Contribution to journal › Journal article – Annual report year: 1998 › Research › peer-review

Electrolytic depositions of amorphous and crystalline zink-calcium phosphates
Research output: Contribution to journal › Journal article – Annual report year: 1998 › Research › peer-review
Environmentally Safe Lubricants for Sheet Forming and Coldforging of Stainless Steel: Final Report for the Project
Research output: Book/Report › Report – Annual report year: 1998 › Research › peer-review

Estimation of Temperature in the Lubricant Film during Cold Forging of Stainless steel
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1998 › Research

FeCl3 - A potential new lubricant for cold forging of stainless steel.
Steenberg, T., Christensen, E., Bay, N. & Bjerrum, N., 1998, Proceed. 8th Int. Conf. Tribology, NORDTRIB’98. Publisher unknown
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1998 › Research › peer-review

METHOD FOR ELECTROCHEMICAL PHOSPHATING OF METAL SURFACES, PARTICULARLY STAINLESS STEEL, AND APPLICATION OF AN AQUEOUS PHOSPHATING SOLUTION FOR SUCH A METHOD

Redox Chemistry of KBF4-K2NbF7-FLiNaK Melts
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1998 › Research

Structural studies of disordered Mg2NiH4 formed by mechanical grinding
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1998 › Research

Systematic B-metal substitution in CaNi5
Research output: Contribution to conference › Poster – Annual report year: 1998 › Research

Tantalum Coating of Steel, Copper, Aluminum, and Titanium by Thermal Chemical Vapor Deposition (CVD)
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1998 › Research

The Study of Electrode Processes During Electrochemical Synthesis of Tantalum Borides in Oxofluoride Melts
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1998 › Research

The study of electrode processes during tantalum boride electrochemical synthesis in oxofluoride melts
Research output: Contribution to journal › Journal article – Annual report year: 1998 › Research › peer-review
Developments of New Lubricants for Cold Forging of Stainless Steel
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1997 › Research › peer-review

Electrochemical and Spectroscopic Investigations of Lower Valent States of Niobium in Fluoride Melts
Bjerrum, N. & Christensen, E., 1997
Research output: Book/Report › Report – Annual report year: 1997 › Research › peer-review

Electrochemical Behavior of Molten V2O5-K2S2O7-KHSO4 Systems
Research output: Contribution to journal › Journal article – Annual report year: 1997 › Research › peer-review

Electrochemical investigation on the redox chemistry of niobium in LiCl-KCl-KF-Na2O melts
Research output: Contribution to journal › Journal article – Annual report year: 1997 › Research › peer-review

Electrochemistry of the Oxofluoro Complexes of Boron in Fluoride Melts
Research output: Contribution to journal › Journal article – Annual report year: 1997 › Research › peer-review

Electrodeposition of Tantalum-boride Coatings From Oxofluoride Melts.
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1997 › Research

Environmentally Safe Lubricants for Sheet Forming and Coldforging of Stainless Steel
Research output: Book/Report › Report – Annual report year: 1997 › Research › peer-review

FeCl3.6H2O-A Potential New Lubricant for Cold Forging of Stainless Steel
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1997 › Research

Nature of Alkali Metal Promotion and Electrochemical Promotion of the Catalytic SO2 Oxidation
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1997 › Research

New Surface Treatment Technique

Production of Tantalum Coatings on Steel by Thermal Activated Vapor Deposition (CVD)
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1997 › Research
Screening the performance of lubricants for ironing of stainless steel with a strip reduction test
Research output: Contribution to journal › Journal article – Annual report year: 1997 › Research › peer-review

Screening the performance of lubricants for ironing of stainless steel with a strip reduction test,
Andreasen, J. L., Bay, N., Andersen, M., Christensen, E. & Bjerrum, N., 1997, Proceed. 7th NORDTRIB.
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1997 › Research › peer-review

CaNi5 prepared by mechanical alloying
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1996 › Research

Characterization of La1-xSrMnO3±d (x = 0.15, d 0) and La1-xSrxCrO3±d (x = 0.2, d 0) Powders by X-ray Powder Diffraction
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1996 › Research

Electrochemical and spectroscopic behaviour of iron in the molten NaCl-K2SO4 mixture
Research output: Contribution to journal › Journal article – Annual report year: 1996 › Research › peer-review

Electrochemical behavior of boron in LiF-NaF-KF- melts
Research output: Contribution to journal › Journal article – Annual report year: 1996 › Research › peer-review

Investigation of the Possibilities for Introduction of Environmental Lubricants for Plastic Modelling of Stainless Steel, Incl. Test and Methods of Analysis
Research output: Book/Report › Report – Annual report year: 1996 › Research › peer-review

Report Concerning Explosion Accident at Department of Chemistry, University of Copenhagen
Research output: Book/Report › Report – Annual report year: 1996 › Research › peer-review

The redox chemistry of niobium(V) fluoro and oxofluoro complexes in LiF-NaF-KF melts
Research output: Contribution to journal › Journal article – Annual report year: 1996 › Research › peer-review

Electrochemical Investigation of The Catalytical Processes During Sulfuric Acid Production.
Research output: Contribution to journal › Journal article – Annual report year: 1995 › Research › peer-review

Hydrogen Oxidation on Gas Diffusion Electrodes for Phosphoric Acid Fuel Cells in the Presence of Carbon Monoxide and Oxygen
Research output: Contribution to journal › Journal article – Annual report year: 1995 › Research › peer-review
Raman and NMR Studies in the System Phosphoryl Chloride-Aluminium Chloride
Research output: Contribution to journal › Journal article – Annual report year: 1993 › Research › peer-review

Raman Study on the SO3-K2S2O7 Molten System.
Research output: Contribution to journal › Journal article – Annual report year: 1993 › Research › peer-review

Electrochemical and Spectroscopic Studies of Tantalum in NaCl-AlCl3 Melts at 160-300oC.
Research output: Contribution to journal › Journal article – Annual report year: 1992 › Research › peer-review

Conductivity, Thermal Analysis, andPhase Diagram of the System Cs2S2O7-V2O5. Spectroscopic Characterization of the Compound, Cs4(VO2)2(SO4)2S2O7
Research output: Contribution to journal › Journal article – Annual report year: 1991 › Research › peer-review

ESR-Investigations of Sulfuric Acid Catalyst Deactivation
Research output: Contribution to journal › Journal article – Annual report year: 1991 › Research › peer-review

Influence of Substrates on the Electrochemical Deposition and Dissolution of Aluminum in NaAlCl4 Melts.
Research output: Contribution to journal › Journal article – Annual report year: 1991 › Research › peer-review

The Crystal Structure of NaV(SO4)2
Research output: Contribution to journal › Journal article – Annual report year: 1991 › Research › peer-review

Vibrational Spectra of Nb(V) Fluoro and Oxofluoro Complexes Formed In Alkali-Metal Fluoride Melts
Research output: Contribution to journal › Journal article – Annual report year: 1991 › Research › peer-review

Crystal Structure and Vibrational Spectra of Na2VO(SO4)2
Research output: Contribution to journal › Journal article – Annual report year: 1990 › Research › peer-review

Electrochemical Deposition and Dissolution of Aluminum in NaCl-AlCl3 Melts: Influence of MnCl2 and Sulfide Addition
Research output: Contribution to journal › Journal article – Annual report year: 1990 › Research › peer-review

Electrochemical Deposition of Aluminum from NaCl-AlCl3 Melts
Research output: Contribution to journal › Journal article – Annual report year: 1990 › Research › peer-review

Preparation of CuZr2P3O12 From Aloxide Derived Gels: Phase Formation as a Function of Heat Treatment
Research output: Contribution to journal › Journal article – Annual report year: 1990 › Research › peer-review
A Novel Inorganic Low Melting Electrolyte for Secondary-Aluminum-Nickel Sulfide Batteries
Research output: Contribution to journal › Journal article – Annual report year: 1989 › Research › peer-review

Conductivity of Thionyl Chloride-Lithium Tetrachloroaluminate Solutions
Research output: Contribution to journal › Journal article – Annual report year: 1989 › Research › peer-review

Crystal Structure and Infrared and Raman Spectra of K4(VO)3(SO4)5
Research output: Contribution to journal › Journal article – Annual report year: 1989 › Research › peer-review

Electroless Growth of Aluminum Dendrites in NaCl-AlCl3 Melts.
Research output: Contribution to journal › Journal article – Annual report year: 1989 › Research › peer-review

Formation of Crystalline Compounds and Deactivation During SO2 Oxidation in V2O5-M2S2O7 (M = Na, K, Cs) Melts
Research output: Contribution to journal › Journal article – Annual report year: 1989 › Research › peer-review

On [Na(POCl3)4]+ Complex Ion Formation: Conductivity, Raman and NMR Studies in the System Phosphoryl Chloride-Sodium Tetrachloroaluminate and Related Compounds
Research output: Contribution to journal › Journal article – Annual report year: 1989 › Research › peer-review

Raman Spectra of Haloaluminate Melts Containing Oxides
Research output: Contribution to journal › Journal article – Annual report year: 1989 › Research › peer-review

Complex Formation in Pyrosulfate Melts. 3. Density and Conductometric Measurements on the System V2O5-K2S2O7 in the Temperature Range 350-490°C
Research output: Contribution to journal › Journal article – Annual report year: 1987 › Research › peer-review

Potentiometric Investigation of the Oxide Behavior in NaCl-AlCl3 Melts at 175°C
Research output: Contribution to journal › Journal article – Annual report year: 1987 › Research › peer-review

Complex Formation in Pyrosulfate Melts. 2. Calorimetric Investigations of the System V2O5-K2S2O7, V2O5 . K2S2O7-K2SO4, V2O5 . 2K2S2O7-K2SO4, and V2O5 . 3K2S2O7-K2SO4 at 430°C
Research output: Contribution to journal › Journal article – Annual report year: 1986 › Research › peer-review

Crystal Structure and Infrared and Raman Spectra of KV(SO4)2
Research output: Contribution to journal › Journal article – Annual report year: 1986 › Research › peer-review

Properties of CsCl/AlCl3 Melts Near Equimolar Composition and the Problem of Corrosive Action of the Melt Towards Container Materials
Raman Spectroscopic Studies of Vapor Complexation in the MCl4-POCl3 and MCl4-AlCl3 (M = Zr, Hf) Binary System

Chloro Complexes in Molten Salts, 10. Potentiometric and Spectrophotometric Study of the System KCl-AlCl3-CuCl at 300°C

Cryoscopy in the KCl-AlCl3 System. High-Precision Phase Diagram Near Equimolar Composition, with Comments on Oxide Contaminations and Effective Chloride Concentrations in Tetrachloroaluminate Melts

Raman Study of Halogen Exchange Equilibria in Low Melting Mixtures Consisting of Sodium Tetrachloroaluminate and Tetrabromoaluminate

Secondary Aluminum - Metal Sulphide Batteries with Molten NaAlCl4 Electrolyte

Specific Conductivity of NaCl-AlCl3 and NaCl-AlCl3-Al2S3 Melts

NbAlCl8. A Molecular Dinuclear Complex in the Solid, Melt and Vapor Phase. Synthesis, Crystal Structure and Raman Spectra

Phase Diagram of the NaCl-AlCl3 System Near Equimolar Composition, with Determination of the Cryoscopic Constant, the Enthalpy of Melting and Oxid Contamination

Complexing of Al+3 by S-2 Ions in Alkali Halide Melts

Density of Molten NaAlCl4. A Reinvestigation

Density of Sodium Tetrachloroaluminate Melts Containing Aluminum Chlorosulfides
Raman Spectroscopic and Spectrophotometric Study of the System K2S2O7-KHSO4 in the Temperature Range 200-450°C
Research output: Contribution to journal › Journal article – Annual report year: 1983 › Research › peer-review

Raman Study of Gallium Chlorosulphides in Chloride Melts
Research output: Contribution to journal › Journal article – Annual report year: 1983 › Research › peer-review

Chloro Complexes in Molten Salts. 9. Potentiometric and Vapor Pressure Study of the System NaCl-AlCl3 in the Temperature Range 175-300°C
Research output: Contribution to journal › Journal article – Annual report year: 1982 › Research › peer-review

Complex Formation in Pyrosulfate Melts. 1. Potentiometric, Cryoscopic, and Spectrophotometric Investigations of the Systems K2S2O7-K2SO4 and K2S2O7-K2SO4-V2O5 in the Temperature Range 410-450°C
Research output: Contribution to journal › Journal article – Annual report year: 1982 › Research › peer-review

Lower Oxidation States of Sulfur. 2. Spectrophotometric, Potentiometric, and ESR Study of the Sulfur-Chlorine System in Molten NaCl-AlCl3 (37:63 mol %) at 150 °C
Research output: Contribution to journal › Journal article – Annual report year: 1982 › Research › peer-review

Negative Oxidation States of the Chalcogens in Molten Salts. 1. Raman Spectroscopic, Spectrophotometric and Electron Spin Resonance Studies on Chloraaluminate Solutions Containing an S3- Entity
Research output: Contribution to journal › Journal article – Annual report year: 1982 › Research › peer-review

Chloro Complexes in Molten Salts. 8. Potentiometric and Raman Spectroscopic Study of the Systems NaCl-AlCl3, NaCl-AlCl3-Na2O, NaCl-AlCl3-SeCl4, and NaCl-AlCl3-SeCl4-Na2O at 175°C
Research output: Contribution to journal › Journal article – Annual report year: 1981 › Research › peer-review

Densities of Molten KCl-CuCl2 Obtained by the Automated Float Method
Research output: Contribution to journal › Journal article – Annual report year: 1981 › Research › peer-review

The Chalcogens in Chloroaminate Melts

Densities of Molten KCl-FeCl3, KCl-FeCl3 and KCl-AlCl3
Research output: Contribution to journal › Journal article – Annual report year: 1980 › Research › peer-review

Negative Oxidation States of the Chalcogens in Molten Salts. 1. Raman Spectroscopic Studies on Aluminum Chlorosulfides Formed in Chloride and Chloroaluminate Melts and Some Related Solid and Dissolved Compounds
Research output: Contribution to journal › Journal article – Annual report year: 1980 › Research › peer-review

Resonance Raman Spectra of S3- in Molten Salts
Research output: Contribution to journal › Journal article – Annual report year: 1980 › Research › peer-review
Chloro Complexes in Molten Salts. 6. Potentiometric and Vapor Pressure Study of the System KCl-AlCl₃ in the Temperature Range 275-350°C
Research output: Contribution to journal › Journal article – Annual report year: 1979 › Research › peer-review

Chloro Complexes in Molten Salts. 5. Potentiometric and Spectrophotometric Study of Chloro Complexes Formed in KCl-AlCl₃-FeCl₃ at 300°C
Research output: Contribution to journal › Journal article – Annual report year: 1978 › Research › peer-review

Chloro Complexes in Molten Salts. VII. Potentiometric, Spectrophotometric, and Raman Spectroscopic Study of the System KCl-AlCl₃-NbCl₅ at 300°C
Research output: Contribution to journal › Journal article – Annual report year: 1978 › Research › peer-review

Electrochemical and Spectroscopic Studies of the Chalcogens in Chloroaluminate Melts
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 1978 › Research › peer-review

Lower Oxidation States of Sulfur. 1. Spectrophotometric Study of the Sulfur-Chlorine System in Molten NaCl-AlCl₃ (37-63 mol %) at 150°C
Research output: Contribution to journal › Journal article – Annual report year: 1978 › Research › peer-review

Automated “float” method for determination of densities of molten salts
Research output: Contribution to journal › Journal article – Annual report year: 1977 › Research › peer-review

Electrochemistry of Tellurium(IV) in KCl-AlCl₃ Melts
Research output: Contribution to journal › Journal article – Annual report year: 1977 › Research › peer-review

Lower Oxidation States of Selenium. 2. Potentiometric Study Involving Tetravalent Selenium, Tetraselenium(2+), Octaselenium(2+), and Three Other Low Oxidation States of Selenium in Chloroaluminate Melts
Research output: Contribution to journal › Journal article – Annual report year: 1977 › Research › peer-review

Low temperature vibrational spectroscopy. I. Hexachlorotellurates
Research output: Contribution to journal › Journal article – Annual report year: 1977 › Research › peer-review

Lower Oxidation States of Tellurium. 4. Tetratellurium(2+) Hexatellurium(2+), and Octatellurium(2+) in Chloroaluminate Melts
Research output: Contribution to journal › Journal article – Annual report year: 1976 › Research › peer-review

Chloro Complexes in Molten Salts. IV. A Potentiometric and Spectrophotometric Study of the System KCl-FeCl₃ in the Temperature Range 275-350°C
Research output: Contribution to journal › Journal article – Annual report year: 1975 › Research › peer-review
Smøremidler og smøremekanismer ved plastisk formgivning af metalliske materialer
Ansat eksternt CAMP
01/02/2001 → 07/07/2005
Project: PhD

Udvikling af CVD-processer til fremstilling af tantalbeslægninger på rustfrit stål
Eriksen, S., Bjerrum, N. J. & Larsen, L. E.
DTU-lønnet stipendie
01/02/1996 → 27/01/2000
Project: PhD

Polymer-elektrolyt-brændselsceller med driftstemperatur op til 200 c
Bergqvist, R. S., Bjerrum, N. J., Li, Q., Hennesø, E. & Skou, E. M.
Blandet Finansiering - SU
01/10/1995 → 28/03/2000
Project: PhD

Højtemperatur korrosion under industrielle
Blandet Finansiering - SU
01/05/1995 → 05/02/2002
Project: PhD

Udvikling af smøremidler til koldflydeprocesser i rustfast stål
Steenberg, T., Bjerrum, N. J. & Danckert, J.
Erhvervsforskerordningen
01/04/1994 → 11/02/1998
Project: PhD

Elektrokatalyse og Katalysatorer til Oxygenreduktion i Polymer Brændselscelle
Forskningsrådsfinansiering
01/01/2014 → 17/05/2017
Project: PhD

Teknisk Keramik's egenskaber som funktion af tilsætning af SiO2, MgO, FeO og MnO etc.
Borup, F. & Bjerrum, N. J.
Nordisk finansiering - SU
01/04/1991 → 03/01/1995
Project: PhD

Fremstilling og karakterisering af elektrotytter og elektroder til vandelektrolyse i temperaturområdet 200-400C
Technical University of Denmark
15/09/2011 → 11/03/2015
Project: PhD

Development of High temperature PEM fuel cells
Offentlig finansiering
15/11/2014 → 17/09/2018
Project: PhD
Development of high temperature stable friction materials
Ramousse, S., Bjerrum, N. J., Petrushina, I., Valentin, J., Andersen, B. K., Skou, E. M., Sørensen, O. T. & Hjuler, H.
Erhvervsforskerordningen
01/01/1999 → 27/05/2002
Project: PhD

Avancerede overfladebehandlinger
Forskningsrådsfinansiering
01/04/2000 → 14/10/2003
Project: PhD

Omdannelse af methan til methanol
Birch, H., Bjerrum, N. J., Gang, X., Andersen, B. K., Larsen, L. E. & Steenberg, T.
Forskningsrådsstipendium
01/05/1998 → 20/09/2002
Project: PhD

Kompleks og redoxkemi i saltmeltbade til overfladebehandlingsprocesser
Andersen, K. B., Bjerrum, N. J., Skou, E. M. & Hjuler, H.
Forskningsrådsstipendium
01/01/1993 → 27/02/1997
Project: PhD

Gasnitrokarburing
DTU stipendium
01/09/1997 → 09/04/2001
Project: PhD

Karakterisering af smeltebade til pletteringsprocesser
Gillesberg, B., Bjerrum, N. J. & Larsen, L. E.
DTU stipendium
01/08/1995 → 18/09/2000
Project: PhD

Udvikling af lette materaler til brintlagering
Offentlig finansiering
01/11/2005 → 01/04/2009
Project: PhD

Pressurized HT PEM Cells for H2/O2 operation
Institut, samfinansiering
01/08/2012 → 30/09/2015
Project: PhD

Inorganic Proton Conducting Materials
Technical University of Denmark
15/04/2011 → 24/09/2014
Project: PhD

Kinetic studies and Computational Fluid Dynamics (CFD) simulations to aid in the development og Tantalun coated extreme corrosive resistance welded plate heat exchangers (ECWP)

Development of improved electrodes in high temperature PEM fuel cells
Permyakova, A. A., Bjerrum, N. J., Jensen, J. O., Li, Q., Christensen, E., Bajo, J. L. & Arenz, M.
DTU, Samfinansiering 15/03/2010 → 11/12/2013 Project: PhD

Fremstilling og synteseanvendelse af elektrolytisk fremstillet hydrogen
Technical University of Denmark 01/03/2009 → 23/05/2012 Project: PhD

New Polymeric Electrolytes for application in water electrolysis
Technical University of Denmark 15/08/2008 → 28/09/2011 Project: PhD

New Electrocatalytic Materials in water electrolysis/Udvikling og test af nye elektrodematerialer til vandelektrolyse
Technical University of Denmark 15/06/2008 → 21/09/2011 Project: PhD

SUCAP : Sustainable Carbon Power
Berg, R. W. & Bjerrum, N. J. 01/01/2014 → 31/08/2018 Project: Research

Noble Free: Noble Metals Free Intermediate -Temperature Supported Liquid Phase Electrolyzer
Nikiforov, A. V., Bjerrum, N. J., Petrushina, I., Christensen, E. & Jensen, J. O. 01/01/2014 → … Project: Research

High-efficiency, low-cost electrode surfaces for next generation alkaline electrolysis

MEDLYS: Medium Temperature Water Electrolysis
Christensen, E., Bjerrum, N. J., Barner, J. H. V., Li, Q., Chorkendorff, I. & Petrushina, I. 01/03/2011 → 28/02/2015 Project: Research

PROCON: Intermediate Temperature Proton Conducting Systems (PROCON)
Bjerrum, N. J., Li, Q., Petrushina, I., Jensen, J. O., Christensen, E. & Cleemann, L. N. Forsk. Andre statslige danske - Grundforskfn.fonden 01/06/2010 → 31/05/2013 Project: Research

Materialeproblemer i affaldskedler
Udvikling af mere effektive og billigere MEA’er til PEM brændselsceller
Bjerrum, N. J., Li, Q., Yde-Andersen, S., Steenberg, T. & Plackett, D.
Forskningsprojekter - Andre ministerier og styrelser
03/02/2005 → 31/01/2008
Project: Research

Metal hydride storage tank for hydrogen vehicle
Bjerrum, N. J., Jensen, J. O. & Hennesø, E.
01/01/1999 → 30/06/2000
Project: Research

Lubrication Mechanisms and Lubricants for Cold Forging and Sheetforming of Stainless Steel
Christensen, E., Bjerrum, N. J., Petrushina, I., Steenberg, T., Bergqvist, R. S., Bay, N. O., Eriksen, M., Bech, J. I., Kofod, N. & Andreasen, J. L.
01/01/1998 → 31/12/1998
Project: Research

New Metal Hydrides for Energy Storage
Fors. Andre offentlige og private - Nordiske
01/01/2003 → 31/12/2006
Project: Research

High Performance Coating Materials for Application in Corrosive and Abrasive Environments
01/01/1992 → …
Project: Research

Complex and Redox Chemistry in Molten Halides
01/01/1993 → …
Project: Research

Anode Materials for Metal Hydride Batteries
08/02/1993 → 30/04/1997
Project: Research

New Technologies for Water Electrolysis
Bjerrum, N. J.
Forskningsprojekter - Andre ministerier og styrelser
01/12/2006 → 30/06/2007
Project: Research

Environmentally Safe Lubricants for Sheet Forming and Cold Forging of Stainless Steel
Bjerrum, N. J., Christensen, E., Petrushina, I., Steenberg, T., Bay, N. O., Wibom, O. & Andreasen, J. L.
01/07/1994 → 31/12/1997
Project: Research

Molten Carbonate Fuel Cells (MCFC)
Bjerrum, N. J. & Li, Q.
Ukendt
01/01/1993 → 31/12/1998
Phosphoric Acid Fuel Cells (PAFC)
Bjerrum, N. J. & Hennesø, E.
01/01/1994 → …
Project: Research

Electrochemical Promotion of Catalytic Reactions
Bjerrum, N. J., Petrushina, I., Cappeln, F. V., Gang, X. & Qingfeng, L.
08/12/1998 → 31/12/2002
Project: Research

Industrial punching and ironning - lubrication mechanisms and environmental aspects (ISOPS)
Bjerrum, N. J., Petrushina, I., Li, Q. & Christensen, E.
01/01/1999 → 31/12/2002
Project: Research

Reliability improvements for co-combustion plants
Bjerrum, N. J., Cappeln, F. V. & Petrushina, I.
01/02/1999 → 31/01/2002
Project: Research

Production and distribution of power and heat
Bjerrum, N. J., Petrushina, I. & Cappeln, F. V.
01/01/1999 → 31/12/2001
Project: Research

HotMEA: Danish high temperature PEMFC components, MEA and stack
Forskningsprojekter - Miljø- og Energiforvaltningen
01/04/2009 → 31/03/2013
Project: Research

Advanced Surface Treatments
01/01/2000 → 31/12/2003
Project: Research

Chemical Vapor Deposition (CVD)
Bjerrum, N. J., Eriksen, S. & Christensen, E.
01/01/1995 → …
Project: Research

Autobrane: Automotive High Temperature Fuel Cell Membranes
Forsk. EU - Rammeprogram
01/11/2005 → 31/10/2009
Project: Research

Dry, Intrinsic proton conducting membranes for fuel cells
Forskningsrådene - STVF
01/01/2006 → 31/12/2008
Project: Research
Novel Electrochemically Activated Catalysts and Processes
Bjerrum, N. J. & Petrushina, I.
Forskningsrådene - STVF
01/01/2004 → 31/12/2006

ISOPS, Industriel stansning og pladeformgivning – smøreemekanismer, smøremidler og miljøaspekter
Forskningsrådene - STVF
01/10/2000 → 01/12/2003

Højtemperature PEM brændselscelle
Bjerrum, N. J., Henriksen, N., Hennese, E. & Yde-Andersen, S.
Forskningsrådene - Andre
01/01/2004 → 30/09/2006

Udvikling af 2 kW naturgasreformere for høj- og lavtemperatur PEM-brændselsceller
Wit, J. D., Bjerrum, N. J., Yde-Andersen, S., Balslev, P., Steenberg, T., Pedersen, A. H. & Kær, S. K.
Forskningsprojekter - Miljø- og Energimisteriet
01/01/2004 → 30/09/2006

Synthesis, characterization and applications of polymer membranes for high temperature fuel cells
Bjerrum, N. J. & Begtrup, M.
Forskningsrådene - STVF
01/01/2004 → 31/12/2006

AMFC: Advanced Methanol Fuel Cell Systems
Ekdunge, P., Bjerrum, N. J., Tunold, R. & Kløv, K.
Forsk. EU - Rammeprogram
01/02/2001 → 31/08/2005

High Temperature Polymer Methanol Fuel Cell,
Kløv, K., Bjerrum, N. J., Jensen, J. O., Li, Q., Tunold, R. & Ekdunge, P.
Forsk. Andre offentlige og private - Nordiske
01/01/2001 → 31/12/2002

FURIM: Further Improvement and System Integration of High Temperature Polymer Electrolyte Membrane Fuel Cells
Forsk. EU - Rammeprogram
01/04/2004 → 31/03/2008

High Temperature Corrosion
Bjerrum, N. J., Petrushina, I. & Cappeln, F. V.
01/10/1996 → 31/12/2002
Thermochemistry in Molten Salts
Bjerrum, N. J. & Andersen, B. K.
01/01/1994 → …
Project: Research

Electrochemistry in Molten Salts
Bjerrum, N. J., Petrushina, I. & Cappeln, F. V.
01/09/1993 → 31/12/2000
Project: Research

Molten Salt Catalysis
Bjerrum, N. J., Petrushina, I. & Cappeln, F. V.
01/09/1993 → 31/12/2000
Project: Research

Polymer Electrolyte Fuel Cell
Bjerrum, N. J., Bergqvist, R. S. & Li, Q.
01/01/1995 → …
Project: Research

Development of air metal hydride battery (AMHBAT)
Bjerrum, N. J. & Jensen, J. O.
01/12/1997 → 30/11/2000
Project: Research

Electrochemical and Spectroscopic Investigation of Electrochemical Cells and Catalysts
01/01/1996 → 31/12/2002
Project: Research

Development of a Method for On-line Measurements of High Temperature Corrosion
Bjerrum, N. J., Cappeln, F. V. & Petrushina, I.
01/04/1999 → 31/03/2002
Project: Research

Advanced Solid Polymer Fuel Cells for Operation at Temperatures up to 200oC (ASPEC)
Bjerrum, N. J. & Li, Q.
01/02/1998 → 31/07/2000
Project: Research

Lubricants for Cold Forging of Stainless Steel
Bjerrum, N. J., Christensen, E., Berg, R. W., Andersen, B. K., Jensen, J. O. & Bergqvist, R. S.
01/01/1994 → 31/12/2001
Project: Research

Conversion of Methane
Bjerrum, N. J., Gang, X. & Birch, H.
01/01/1995 → 31/12/2002
Project: Research