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Publication: Research - peer-review › Journal article – Annual report year: 2015
Nanoparticles and nanoimaging for organic solar cells
Publication: Research › Ph.D. thesis – Annual report year: 2015

Nano scaled electro catalysts, a versatile concept for novel solid state fuel cells and electro-catalytic reactors
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

Need for In Operando Characterization of Electrochemical Interface Features
Publication: Research - peer-review › Conference article – Annual report year: 2015

Ni-hydroxide growth in vacuum plasma sprayed electrodes for alkaline electrolysis
Publication: Research › Poster – Annual report year: 2015

Ni-hydroxide growth in vacuum plasma sprayed electrodes for alkaline electrolysis
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2015

Ni/YSZ microstructure optimization for long-term stability of solid oxide electrolysis cells
Hauch, A., Brodersen, K. & Chen, M. 2015
Publication: Research - peer-review › Poster – Annual report year: 2015

Non-destructive electrochemical graphene transfer from reusable thin-film catalysts
Publication: Research - peer-review › Journal article – Annual report year: 2015

Non-Noble Oxygen Reduction Catalysts
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Non-Noble Oxygen Reduction Catalysts by Means of Encapsulated Iron Carbide
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

NOx Conversion of Porous LSF15-CGO10 Cell Stacks
Publication: Research - peer-review › Journal article – Annual report year: 2016

Numerical evaluation of oxide growth in metallic support microstructures of Solid Oxide Fuel Cells and its influence on mass transport
Publication: Research - peer-review › Journal article – Annual report year: 2015
Numerical Simulation of a Tapered Bed AMR
Dall’Olio, S., Lei, T., Engelbrecht, K. & Bahl, C. R. H. 2015
Publication: Research › Poster – Annual report year: 2015

Numerical simulation of viscoelastic free-surface flows using a streamfunction/log-conformation formulation and the volume-of-fluid method
Publication: Research › Ph.D. thesis – Annual report year: 2015

On the Defect Chemistry, Electrical Properties and Electrochemical Performances As Solid Oxide Fuel Cell Cathode Materials of New La-(Sr/Vac)-Co-Ti-O Perovskites
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2015

Optimization of Permanent Magnet Assemblies
Publication: Research › Poster – Annual report year: 2015

Optimization of Permanent Magnet Assemblies
Publication: Research › Poster – Annual report year: 2015

Optimization of spark plasma sintering conditions for antimony-doped bismuth telluride
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

Optimization of the Mechanical and Electrical Performance of a Thermoelectric Module
Publication: Research - peer-review › Journal article – Annual report year: 2015

Over 2 Years of Outdoor Operational and Storage Stability of ITO-free, Fully Roll-to-Roll Fabricated Polymer Solar Cell Modules
Publication: Research - peer-review › Journal article – Annual report year: 2015

Oxygen electrodes: general discussion
Publication: Research - peer-review › Journal article – Annual report year: 2015

Oxygen permeation of dense dual phase tubular membranes supported on porous magnesium oxide
Ovtar, S., Gurauskis, J., Bjørnetun Haugen, A., Hendriksen, P. V. & Kaiser, A. 2015
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2015

Oxygen Sorption and Desorption Properties of Selected Lanthanum Manganites and Lanthanum Ferrite Manganites
Publication: Research - peer-review › Journal article – Annual report year: 2015

Oxygen transport membranes for biomass gasification and cement industry
Oxygen Transport Properties of Ca/W-Substituted Lanthanum Nickelate
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

Patterning of high mobility electron gases at complex oxide interfaces
Publication: Research - peer-review › Journal article – Annual report year: 2015

Percolative nature of A-site disordered La$_{0.75}$Ca$_{0.25-x}$Sr$_x$MnO$_3$ manganites
Publication: Research - peer-review › Journal article – Annual report year: 2015

Performance Characterization of Solid Oxide Cells Under High Pressure
Publication: Research - peer-review › Conference article – Annual report year: 2015

Performance Factors and Sulfur Tolerance of Metal Supported Solid Oxide Fuel Cells with Nanostructured Ni:GDC Infiltrated Anodes
Publication: Research - peer-review › Conference article – Annual report year: 2015

Phase Transition Mapping by Means of Neutron Imaging in SOFC Anode Supports During Reduction Under Applied Stress
Publication: Research - peer-review › Conference article – Annual report year: 2015

Planar half-cell shaped precursor body
Esposito, V. & Linderoth, S. 2015
Publication: Research › Patent – Annual report year: 2015
Planning of Future Energy Systems Focusing on Exergy Destruction Minimization  
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

Plasma properties during magnetron sputtering of lithium phosphorous oxyxinitride thin films  
Publication: Research - peer-review › Journal article – Annual report year: 2015

Polarization Induced Changes in LSM Thin Film Electrode Composition Observed by In Operando Raman Spectroscopy and TOF-SIMS  
Publication: Research - peer-review › Conference article – Annual report year: 2015

Polarization Induced Changes in LSM Thin Film Electrode Composition Observed by In Operando Raman Spectroscopy and TOF-SIMS  
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2015

Porous poly(perfluorosulfonic acid) membranes for alkaline water electrolysis  
Publication: Research - peer-review › Journal article – Annual report year: 2015

Positron Annihilation Spectroscopy on LiBH4 and LiBH4:LiI superionic lithium conductors  
Eldrup, M. M., Blanchard, D. & Sveinbjörnsson, D. Þ. 2015
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2015

Preparation and Characterisation of Mg1−xRhxB2  
Pitillas, A. & Grivel, J-C. 2015 In : Journal of Superconductivity and Novel Magnetism. 28, 8, p. 2495-2500
Publication: Research - peer-review › Journal article – Annual report year: 2015

Preparation and characterization of polyacrylamide-modified kaolinite containing poly [acrylic acid-co-methylene bisacrylamide] nanocomposite hydrogels  
Publication: Research - peer-review › Journal article – Annual report year: 2014

Printed Energy Technologies: A Special Issue  
Publication: Research › Editorial – Annual report year: 2015

Probing individual subcells of fully printed and coated polymer tandem solar cells using multichromatic opto-electronic characterization methods  
Publication: Research - peer-review › Journal article – Annual report year: 2015

Promotional effect of phosphorus doping on the activity of the Fe-N/C catalyst for the oxygen reduction reaction  
Publication: Research - peer-review › Journal article – Annual report year: 2015
Proton Conducting Fuel Cells where Electrochemistry Meets Material Science
Li, Q. 2015
Publication: Communication › Conference abstract for conference – Annual report year: 2016

Pt-Si Bifunctional Surfaces for CO and Methanol Electro-Oxidation
Publication: Research - peer-review › Journal article – Annual report year: 2015

Pulsed laser deposition from ZnS and Cu2SnS3 multicomponent targets
Publication: Research - peer-review › Journal article – Annual report year: 2015

Quantitative 3D X-ray imaging of densification, delamination and fracture in a micro-composite under compression
Publication: Research - peer-review › Journal article – Annual report year: 2015

Reactions and SEI Formation during Charging of Li-O2 Cells
Publication: Research - peer-review › Journal article – Annual report year: 2015

Reprobing Study of the Potential Dependence of Charge Transport Through Li2O2
Publication: Research - peer-review › Journal article – Annual report year: 2015

Reduced graphene oxide for Li–air batteries: the effect of oxidation time and reduction conditions for graphene oxide
Publication: Research - peer-review › Journal article – Annual report year: 2015

Reducing Systematic Errors in Oxide Species with Density Functional Theory Calculations
Publication: Research - peer-review › Journal article – Annual report year: 2015

Reduction of a Ni/Spinel Catalyst for Methane Reforming
Publication: Research - peer-review › Journal article – Annual report year: 2014

RES Hydrogen: efficient pressurised alkaline electrolysisers
Publication: Research › Report – Annual report year: 2015

Residual stresses and strength of multilayer tape cast solid oxide fuel and electrolysis half-cells
Publication: Research - peer-review › Journal article – Annual report year: 2015

Rheological properties of poly (vinylpyrrolidone) as a function of average molecular weight and its applications
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2015
Sensitivity study of multi-layer active magnetic regenerators using first order magnetocaloric material La(Fe,Mn,Si)₁₃H₈
Publication: Research - peer-review › Journal article – Annual report year: 2015

Shape recovery of viscoelastic beams after stowage
Kwok, K. 2015 In : Mechanics Based Design of Structures and Machines. 43, 1, p. 95-111
Publication: Research - peer-review › Journal article – Annual report year: 2015

Significant Electronic Thermal Transport in the Conducting Polymer Poly(3,4-ethylenedioxythiophene)
Publication: Research - peer-review › Journal article – Annual report year: 2015

Size of oxide vacancies in fluorite and perovskite structured oxides
Publication: Research - peer-review › Journal article – Annual report year: 2014

SOFC brændelsceller i et intelligent elnet
Publication: Research › Journal article – Annual report year: 2015

Solid Oxide Cell and Stack Testing, Safety and Quality Assurance (SOCTESQA)
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2015

Solid Oxide Cell and Stack Testing, Safety and Quality Assurance (SOCTESQA)
Publication: Research - peer-review › Conference article – Annual report year: 2015

Solid-oxide fuel cells
Publication: Research - peer-review › Book chapter – Annual report year: 2015

Solid solution barium–strontium chlorides with tunable ammonia desorption properties and superior storage capacity
Publication: Research - peer-review › Journal article – Annual report year: 2015

Solution and vapour deposited lead perovskite solar cells: Ecotoxicity from a life cycle assessment perspective
Publication: Research - peer-review › Journal article – Annual report year: 2015

Space-confined preparation of high surface area tungsten oxide and tungsten nitride inside the pores of mesoporous silica SBA-15
Publication: Research - peer-review › Journal article – Annual report year: 2015
Specific Electrical Conductivity in Molten Potassium Dihydrogen Phosphate KH2PO4 Electrolyte at ~300 °C
Publication: Research - peer-review » Conference abstract in journal – Annual report year: 2015

Stability of La0.6Sr0.4Co0.2Fe0.8O3/Ce0.9Gd0.1O2 cathodes during sintering and solid oxide fuel cell operation
Publication: Research - peer-review » Journal article – Annual report year: 2015

Stabilized thin film heterostructure for electrochemical applications.
Esposito, V., Sanna, S., Pryds, N. & Linderoth, S. 2015
Publication: Research » Patent – Annual report year: 2015

Projects:

Tracking the Microstructure Evolution of an Operating Lithium-Sulphur Battery in Three Dimensions
Bowen, J. R. & De Angelis, S. 16/02/2018 → 17/08/2018
Project

Novel electrocatalysts and 3D porous electrodes for efficient alkaline water electrolysis
Gellrich, F., Chatzichristodoulou, C. & Traulsen, M. L. 01/02/2018 → 31/01/2021
Project: PhD

Design and structuring of electrospun nanofiber non-Pt catalysts and electrode for high temperature proton exchange membrane fuel cells
Bompolaki, E., Jensen, J. O. & Zhang, W. 01/01/2018 → 31/12/2020
Project: PhD

Development of novel electrode materials for high temperature electrochemical water splitting
Mazzanti, N., Hendriksen, P. V., Chatzichristodoulou, C. & Mogensen, M. B. 01/01/2018 → 31/12/2020
Project: PhD

Getting the most out of magnetocaloric materials for high efficiency refrigeration
Erbesdobler, F., Nielsen, K. K., Bahl, C. & Bjerk, R. 01/01/2018 → 31/12/2020
Project: PhD

Mesoscale modelling of morphologies, charge carrier generation, and charge transport in third generation solar cells
Gertaen, A. S., Andreasen, J. W., Nelson, J. & Stingelin-Stutzmann, N. 01/01/2018 → 31/12/2020
Project: PhD

Organic Redox Flow Batteries: Active Materials and Cell Stability
Hoffmeyer, D., Hjelm, J. & Vegge, T. 01/01/2018 → 31/12/2020
Project: PhD

High Resolution X-ray Diffraction Contrast Tomography
Project: PhD
Development of a versatile slip-ring/rotary-union based in-operando high temperature functional material test cell for the DanMAX beamline
Bowen, J. R., Sierra Trujillo, J. X. & Karlsson, M.
01/10/2017 → 31/03/2018
Project

Computational design of electrocatalysts for CO2 reduction
Kildgaard, J. V., Vegge, T. & Hansen, H. A.
01/09/2017 → 31/08/2020
Project: PhD

Development of Porous Electrodes for Alkaline Electrolyzers
Reumert, A. K., Jensen, J. O., Cleemann, L. N. & Kraglund, M. R.
01/09/2017 → 31/08/2020
Project: PhD

In situ Structural Characterization of Multilayer Formation during Large-scale Processing of 3rd Generation Solar Cells
Rogowska, M., Andreasen, J. W. & Kuhn, L. T.
01/09/2017 → 26/10/2017
Project: PhD

In-situ Ptychographic Studies of Lithium-Sulphur Micro-Batteries
Bowen, J. R., De Angelis, S. & Matic, A.
15/08/2017 → 15/02/2018
Project

3D electron microscopy of nanostructures in energy devices
Colding-Jørgensen, S., Kuhn, L. T., Schmidt, S. & Simonsen, S. B.
01/08/2017 → 31/07/2020
Project: PhD

Thermochemical Heat Storage
Karabanova, A., Blanchard, D. & Johnsen, R. E.
01/07/2017 → 30/06/2020
Project: PhD

New Concepts for Efficient Immobilization of Enzymes in Inorganic Membrane Reactors
Lehmann, J., Kaiser, A., Pinelo, M. & Pinelo, M.
01/06/2017 → 31/05/2020
Project: PhD

Nanoscale design of Ammonia Carriers for Air Pollution Control (NANOCONTROL)
Kaiser, A.
01/05/2017 → 30/04/2021
Project

Commercial project SOFC related
Hagen, A.
01/05/2017 → 30/04/2018
Project

Nanocrafts - nano jewelry proof of concept
Plakhotnyuk, M.
01/05/2017 → 30/09/2017
Project
GIANT-E: Microstructural forging of electromechanically active bulk ceria
Kabir, A., Esposito, V. & Van Nong, N.
15/04/2017 → 14/04/2020
Project: PhD

SOFC stack project II
Wulff, A. C.
01/04/2017 → 01/04/2018
Project

Fabrication and electrical properties of advanced thin film materials for resistive switching memories
Li, Y., Pryds, N., Esposito, V. & Traulsen, M. L.
01/04/2017 → 31/03/2020
Project: PhD

Synthesis and characterization of Tubular Oxygen transport membranes
Martinez Aguilera, L., Kiebach, W., Bjørnetun Haugen, A. & Kaiser, A.
01/04/2017 → 31/03/2020
Project: PhD

Giant-E - Ceria Thin Films Giant Electrostrictors
Santucci, S., Esposito, V., Lubomirsky, I. & Pryds, N.
15/02/2017 → 14/02/2020
Project: PhD

Investigation of metallic-ceramic 3D network-structures for solid oxide fuel cell technology
Wulff, A. C., Lund, R. K. & Zhang, W.
01/02/2017 → 23/06/2017
Project

Modelling of ultrafast scattering experiments probing electronic dynamics in solar cells
Khalili, K., Andreasen, J. W. & Santra, R.
15/01/2017 → 14/01/2020
Project: PhD

Implementation in real SOFC Systems of monitoring and diagnostic tools using signal analysis to increase their lifetime
Hagen, A.
02/01/2017 → 31/12/2019
Project

Commercial project SOFC related
Hagen, A.
02/01/2017 → 31/03/2017
Project

Nanofiber structures for efficient enzyme immobilization in membrane applications
Kaiser, A.
01/01/2017 → 31/12/2017
Project

The fabrication and testing of two terminal memristor device - Nano Ionic Conducting Engineered materials for information application
Pryds, N., Esposito, V. & Traulsen, M. L.
01/01/2017 → 31/01/2020
Project
A novel off-grid thermoelectric-photovoltaic desalination system
Van Nong, N.
01/01/2017 → 31/12/2018
Project

Solid Oxide Electrolysis Cell stack II
Wulff, A. C.
01/01/2017 → 31/12/2017
Project

Advanced tailoring of 3D microstructures for superconducting magnets
Wulff, A. C., Inginga, A. R., Grivel, J., Nielsen, P. H., Wichmann, M., Usoskin, A. & Gómóry, F.
01/01/2017 → 01/01/2019
Project

Adhesive development for flexible thin film electronic encapsulation
Kovrov, A., Søndergaard, R. R. & Helgesen, M.
01/01/2017 → 31/12/2019
Project: PhD

Density functional theory based modelling of materials for resistive switching memories
Pedersen, C. S., García Lastra, J. M., Pryds, N. & Vegge, T.
01/01/2017 → 31/12/2019
Project: PhD

DronEL
01/01/2017 → 31/12/2019
Project

Freeze casting to create micro-channel structures
Christiansen, C. D., Bjørk, R. & Nielsen, K. K.
01/01/2017 → 31/12/2019
Project: PhD

Theoretical investigations of the sudden death process in metal-air batteries
Tygesen, A. S., Garcia Lastra, J. M. & Vegge, T.
01/01/2017 → 31/12/2019
Project: PhD

Advanced neutron imaging of energy devices in 2D and 3D
Lacatusu, M., Kuhn, L. T., Schmidt, S. & Strobl, M.
15/12/2016 → 14/12/2019
Project: PhD

Improving the interface adherence in solid oxide fuel cell stacks
Ritucci, I., Kiebach, W., Agersted, K. & Frandsen, H. L.
15/12/2016 → 14/12/2019
Project: PhD

Solid oxide fuel cells and biogas
Langnickel, H., Hagen, A. & Olsen, R.
15/12/2016 → 14/12/2019
Project: PhD
Novel Anodes for Solid Oxide Fuel Cells
01/11/2016 → 31/10/2019
Project: PhD

Novel Cobalt Free Oxygen Electrodes for Solid Oxide Electrolysis Cells
Tong, X., Chen, M., Hendriksen, P. V. & Ovtar, S.
01/11/2016 → 31/10/2019
Project: PhD

Cost and energy effective all-black solar cell panel | Black Si BIPV | Phase 2
Poulsen, P. B., Thorsteinsson, S., Davidsen, R. S., Iandolo, B., Hansen, O., Riedel, N. & Benatto, G. A. D. R.
01/10/2016 → 30/09/2018
Project

Modeling of Large-Scale Electricity Storage Systems based on Pressurized Reversible Solid Oxide Cells
Butera, G., Clausen, L. R., Jensen, S. H. & Campanari, S.
01/10/2016 → 28/02/2017
Project

Fabrication and electrical properties of correlated electron systems at the interfaces of complex oxides
Gan, Y., Chen, Y. & Pryds, N.
01/10/2016 → 30/09/2019
Project: PhD

Highly defective oxides – the next generation of electromechanical materials
Esposito, V.
01/09/2016 → 31/08/2019
Project

Modeling of degradation processes in high temperature electrolysis cells
Trini, M., Chen, M., Hauch, A. & Hendriksen, P. V.
01/09/2016 → 31/08/2019
Project: PhD

Nano-Editor: Development of nano-materials based printing media for all-ceramic solid oxide fuel cells manufacturing
Rosa, M., Esposito, V. & Zielke, P.
01/09/2016 → 31/08/2019
Project: PhD

X-ray phase contrast nano-tomography of 3rd generation solar cells
Fevola, G., Andreasen, J. W., Carbone, G. & Dong, Y.
01/09/2016 → 31/08/2019
Project: PhD

Electrodeposition of Metallic 3D Surface-Profiles for Superconductor Tapes
Wulff, A. C., Andersen, S. Z., Jørgensen, P. S., Nielsen, P. H. & Bentien, A.
22/08/2016 → 12/02/2017
Project

Advanced structuring of adsorbents by electrospinning for gas cleaning and storage
15/08/2016 → 15/08/2017
Project: PhD
Co-electrolysis SOEC
Rao, M., Hagen, A. & Sun, X.
15/08/2016 → 14/08/2019
Project: PhD

Computational design of catalysts for electroreduction of nitrogen into ammonia
Pan, J., Vegge, T. & Hansen, H. A.
01/08/2016 → 31/07/2019
Project: PhD

Density Functional Theory Studies of Water Electrolysis on Ceria
Wu, T., Vegge, T. & Hansen, H. A.
01/08/2016 → 31/07/2019
Project: PhD

Cost-effective and flexible 3D printed SOFC stacks for commercial applications
Esposito, V. & Rosa, M.
01/07/2016 → 31/12/2019
Project

Development and pressure testing of solid oxide electrolyser cells
Gao, Y., Jensen, S. H., Graves, C. R. & Hauch, A.
01/07/2016 → 30/09/2016
Project: PhD

NordForsk topical network on Engineering, processes and real-space imaging
Kuhn, L. T.
01/06/2016 → 31/05/2019
Project

Efficient Co-Electrolyser for Efficient Renewable Energy Storage
Hagen, A.
02/05/2016 → 30/04/2019
Project

Breaking the temperature limits of Solid Oxide Fuel Cells: Towards a new family of ultra-thin portable power sources
Taracón, A. & Esposito, V.
01/04/2016 → 31/03/2021
Project

Active Magnetic regenerator refrigeration with rotary multi-bed technology
Eriksen, D., Engelsbrecht, K., Bahl, C., Bjørk, R., Jensen, J. O., Kitanovski, A. & Palm, B.
01/04/2016 → 20/09/2016
Project: PhD

Commercial project SOFC related
Hagen, A.
01/04/2016 → 31/03/2017
Project

Highly structured materials for upgraded biogas and storage
Kaiser, A.
01/03/2016 → 29/02/2020
Project
3D imaging center
01/01/2016 → 01/01/2021
Project

High Temperature Superconducting Bolometer
Wulff, A. C. & Jepsen, P. U.
01/01/2016 → 31/08/2016
Project

SOFC stack project
Wulff, A. C.
01/01/2016 → 31/12/2016
Project

New Thermoelectric Materials
Van Nong, N.
01/01/2016 → …
Project

Thermal Energy Storage - Lab-Scale prototype
Blanchard, D.
01/01/2016 → 01/01/2018
Project

High Efficiency Thermoelectric Module
Van Nong, N.
01/01/2016 → …
Project

Development of a new synthesis for highly active fuel cell electrocatalysis
Brandes, B. A., Jensen, J. O., Cleemann, L. N. & Li, Q.
15/12/2015 → 14/12/2018
Project: PhD

Improving the efficiency of heat pump and cooling technologies
Navickaité, K., Engelbrecht, K. & Bahl, C.
15/12/2015 → 14/12/2018
Project: PhD

Development and characterization of emerging battery electrodes and electrolytes
Lefevr, J., Blanchard, D., Hoster, H. E. & Norby, P.
01/12/2015 → 30/11/2018
Project: PhD

Electrical Properties of Correlated Electron Systems at the Interfaces of Complex Oxides
von Soosten, M., Pryds, N., Chen, Y. & Jespersen, T. S.
01/12/2015 → 30/11/2018
Project: PhD

Improvement of Electrode Materials for High temperature Electrolysis Cells
Tripkovic, D., Hendriksen, P. V., Bilge, Y. & Mogensen, M. B.
01/12/2015 → 30/11/2018
Project: PhD
Next generation rechargeable batteries: Sustainable and earth-abundant materials
Christensen, M. K., Norby, P., Hoster, H. E. & Vegge, T.
01/12/2015 → 30/11/2018
Project: PhD

Improvement of Cell Strength in High Temperature Electrolysis Cells
Khajavi, P., Frandsen, H. L. & Hendriksen, P. V.
01/11/2015 → 31/10/2018
Project: PhD

Durable thin ceramic films for improvement of Proton Exchange Membrane (PEM) electrolysis
Fenini, F., Mogensen, M. B., Kammer Hansen, K. & Hendriksen, P. V.
15/10/2015 → 14/10/2018
Project: PhD

Development of non-precious metal polymer fuel cell catalysts
Shypunov, I., Jensen, J. O., Cleemann, L. N. & Li, Q.
15/09/2015 → 14/09/2018
Project: PhD

Modeling Energy Supply for Future Cities
Dominkovic, D. F., Pedersen, A. S., Nielsen, P. S. & Sørensen, M. P.
15/09/2015 → 14/09/2018
Project: PhD

Nano-scale 3D reconstruction of phase contrast X-ray projections
Cunha Ramos, T. J., Andreasen, J. W. & Jørgensen, J. S.
15/09/2015 → 14/09/2018
Project: PhD

ESS & MAX IV: Cross border science and society
Kuhn, L. T.
01/09/2015 → 31/08/2018
Project

SOFC degradation studies
Ploner, A., Hagen, A. & Hauch, A.
15/08/2015 → 14/08/2018
Project: PhD

Development and characterization of nevel high temperature and pressure alkaline electrolysis cells (HTP-AEC)
Adolphsen, J. Q., Chatzichristodoulou, C., Gil, V. & Sudireddy, B. R.
01/08/2015 → 31/08/2018
Project: PhD

Multilayer inorganic structures for high performance enzyme immobilization and separation
Ghannadi, S., Della Negra, M., Kaiser, A. & Pinelo, M.
01/08/2015 → 30/11/2015
Project: PhD

Dark Field X-ray Microscopy of energy materials
Sierra Trujillo, J. X., Bowen, J. R., Jørgensen, P. S. & Poulsen, H. F.
15/06/2015 → 14/07/2018
Project: PhD
Durable thin ceramic films for improvement of Proton Exchange Membrane (PEM) electrolysis cells
Hausladen, M., Mogensen, M. B., Hendriksen, P. V. & Ramos, T.
15/06/2015 → 31/07/2015
Project: PhD

Electrochemical Characterization for Improvement of PEM Electrolysers for Flexible Energy Storage
Elsøe, K., Mogensen, M. B., Hjelm, J. & Ramos, T.
15/06/2015 → 14/06/2018
Project: PhD

High Current All Printed Transistors
Pastorelli, F.
01/05/2015 → …
Project

New composite materials for high temperature water splitting and synthetic fuel production by solar thermochemical conversion
Esposito, V.
01/05/2015 → 31/03/2018
Project

In-operando spatially resolved probing of solid oxide electrolysis/fuel cells
Pitscheider, S., Chatzichristodoulou, C., Chueh, W. C., Hansen, K. V. & Hjelm, J.
01/05/2015 → 30/04/2018
Project: PhD

Young investigator Program from Villum Foundation
Mathiesen, N. R., García Lastra, J. M., Vegge, T. & Vegge, T.
01/05/2015 → 07/01/2019
Project: PhD

SOFC Testing Part 1 and 2
Hagen, A. & Sun, X.
13/04/2015 → 31/10/2015
Project

Density Functional Theory Studies of the Oxygen Reduction Reaction on Non-Precious Electrodes
Reda, M., Vegge, T. & Hansen, H. A.
01/04/2015 → 31/03/2018
Project: PhD

In-operando localized probing of solid oxide electrolysis/fuel cells by controlled atmosphere high temperature scanning probe microscopy
Kreka, K., Hansen, K. V., Chatzichristodoulou, C., Mogensen, M. B. & Normman, K.
15/03/2015 → 14/06/2018
Project: PhD

The role of contact resistance in thermoelectric module
Malik, S. A., Van Nong, N., Stamate, E., Nielsen, K. K. & Pryds, N.
15/02/2015 → 01/08/2018
Project: PhD

Demonstration of Danmarks Fremtidige Energisystem i Miniformat
Hagen, A.
19/01/2015 → 31/12/2015
Filamentary Coated Conductors
Wulff, A. C.
01/01/2015 → 31/12/2015
Project

Rare-earth/transition-metal oxides and compounds for environment-friendly energy science and technology
Chen, Y.
01/01/2015 → 31/12/2015
Project

Acid-base chemistry and HT-polymer electrolyte membranes
Becker, H., Li, Q., Jensen, J. O., Hjelm, J., Büchi, F. N. & Kallitsis, J.
15/12/2014 → 14/12/2017
Project: PhD

Advanced nano-inks for ink-jet printing of functional metal oxides for energy and environment devices - Smart Inks
Gadea, C., Esposito, V., Ramousse, S., Tavacoli, J., De Buysse, K. & Sanson, A.
15/12/2014 → 14/12/2017
Project: PhD

ECOdesign of urban buildings by integration of organic photovoltaics microgrids (ECLIPS microgrids)
15/12/2014 → 28/02/2018
Project: PhD

Analysis of Fracture in Porous Ceramic Catalysts by use of X-ray Tomography
Jacobsen, H. S., Frandsen, H. L., Molina, A. M. P., Poulsen, H. F. & Sørensen, B. F.
01/12/2014 → 13/05/2018
Project: PhD

Development of High temperature PEM fuel cells
15/11/2014 → 14/11/2017
Project: PhD

Topology optimization of thermal heat sinks
Engelbrecht, K., Haertel, J. H. K., Sigmund, O. & Lazarov, B. S.
01/11/2014 → 31/10/2017
Project

Topology optimization of thermal heat sinks
Haertel, J. H. K., Engelbrecht, K., Lazarov, B. S., Sigmund, O., Frandsen, H. L., Dede, E. M. & Langelaar, M.
01/11/2014 → 27/12/2017
Project: PhD

In situ transmission electron microscopy on operating electrochemical cells
Kuhn, L. T., Simonsen, S. B., Wagner, J. B. & Gualandris, F.
01/10/2014 → 30/09/2017
Project

In-situ transmission electron microscopy on operating electrochemical cells
Gualandris, F., Kuhn, L. T., Simonsen, S. B., Wagner, J. B., Bowen, J. R., Sharma, R. & Wallenberg, R.
01/10/2014 → 24/01/2018
Project: PhD
Graded Oxygen Transport Membranes for Carbon Capture Processes
Pirou, S., Kiebach, W., Hendriksen, P. V., Kaiser, A., Agersted, K., Baumann, S. & Kriegel, R.
15/09/2014 → 24/01/2018
Project: PhD

Studies of doping effects on the superconducting properties of DyBa2Cu2O7-d and its possible manufacture as thin film for power applications
01/09/2014 → 31/12/2017
Project: PhD

In-situ 3D microstructure characterisation of solid oxide fuel cells using X-ray tomography methods
15/08/2014 → 13/12/2017
Project: PhD

Robust HT-MEAs for Dynamic Operation under Smart Grid Conditions
Jensen, J. O., Pensini, A. & Træholt, C.
01/08/2014 → 01/08/2017
Project

Alkaline Electrolyser Cell
01/08/2014 → 13/11/2017
Project: PhD

Roll-to-roll X-ray scattering and analysis
Rossander, L. H., Krebs, F. C. & Andreasen, J. W.
01/08/2014 → 12/11/2018
Project: PhD

Solid oxide fuel cells for the renewable energy transition
Graves, C. R.
01/08/2014 → 31/03/2017
Project

CHEETAH FP7
Beliatis, M.
21/07/2014 → ...
Project

Green Production of Nanomaterials for Energy Conversion
01/07/2014 → 30/09/2017
Project: PhD

Electrochemical Reduction of CO2 to Sustainable Synthetic Fuels
01/06/2014 → 20/09/2017
Project: PhD

Electrospun functionalized nano-materials for ultra-compact de-NOX SCR system in naval shipping
Esposito, V.
01/05/2014 → 30/09/2016
Development of Proton Conductive membranes
Kirkebæk, A., Li, Q., Aili, D., Jensen, J. O., Søndergaard, R. R., Hjuler, H. A. & Kerres, J.
01/05/2014 → 09/07/2017
Project: PhD

Lifetime limiting effects in pre-commercial solid cell devices
01/03/2014 → 21/06/2017
Project: PhD

Inks for fast processing of recyclable polymer solar cells
15/01/2014 → 26/04/2017
Project: PhD

Alliance for Imaging and Modelling of Energy Applications
01/01/2014 → 31/12/2018
Project

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

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

Center for IT-Intelligent Energy Systems for Cities
01/01/2014 → 31/12/2019
Project

Center for Thermoelectric Energy Conversion
Van Nong, N.
01/01/2014 → 31/12/2018
Project

Elektrode Kinetics and Gas Conversion in Solid Oxide Cells
01/01/2014 → 20/04/2016
Project: PhD

Elektrokatalyse og Katalysatorer til Oxygenreduktion i Polymer Brændselceller
01/01/2014 → 17/05/2017
Project: PhD
Materials for Energy Production
Heckler, I. M., Bundgaard, E., Andreasen, J. W., Tanenbaum, D. M. & Wang, E.
01/01/2014 → 26/04/2017
Project: PhD

Nano-carbons for versatile power supply modules
Van Nong, N.
01/12/2013 → 30/09/2017
Project

Organic based photovoltaics with morphological control
Zawacka, N. K., Jørgensen, M. & Krebs, F. C.
01/10/2013 → 30/06/2015
Project: PhD

Active Cooling of a Down Hole Well Tractor
01/09/2013 → 16/11/2016
Project: PhD

Computational Design of Electrocatalysts for Sustainable Production of Synthetic Fuels
01/09/2013 → 25/01/2017
Project: PhD

Design and testing of high performance regenerators
Lei, T., Engelbrecht, K., Nielsen, K. K., Nielsen, K. K., Hattel, J. H., Barbosa Jr., J. R. & Furberg, R.
15/08/2013 → 14/12/2016
Project: PhD

High performance Magnetocaloric Materials
Neves Bez, H., Bahl, C., Nielsen, K. K., Smith, A., Bohr, J., Lo Bue, M. & Planes, A.
01/08/2013 → 30/09/2016
Project: PhD

Computational Investigations of transport mechanisms across battery interfaces
Loftager, S., Vegge, T., Garcia-Lastra, J. M., Hjelm, J., Khalifah, P. & Rossmeisl, J.
01/07/2013 → 16/11/2016
Project: PhD

Exploring Electronic Properties in All-oxide Heterostructures
01/07/2013 → 13/11/2017
Project: PhD

Mixed Rare Earth-Fe-B sintered magnets
Xia, M., Bahl, C., Abrahamsen, A. B., Pryds, N., Grivel, J., Christensen, M. & Paturi, P.
15/06/2013 → 06/04/2017
Project: PhD

Cost Effective Regenerative Metal Hydride Air Cell
Blanchard, D.
01/06/2013 → 01/06/2014
Project
Optimised Hybrid Magnets
01/06/2013 → 16/11/2016
Project: PhD

Performance and lifetime limiting effects in Li-ion batteries
01/06/2013 → 20/09/2016
Project: PhD

Mobility and Interfacial Effects under Degradation of Polymer Solar Cells
Corazza, M., Krebs, F. C., Gevorgyan, S., Lauritzen, H., Kettle, J. P. & Maes, W.
15/05/2013 → 16/06/2016
Project: PhD

Materials for Energy Production
Livi, F., Bundgaard, E., Lauritzen, H., Kettle, J. P. & Maes, W.
01/05/2013 → 16/06/2016
Project: PhD

HT PEMFC Durability and Lifetime
Søndergaard, T., Jensen, J. O., Cleemann, L. N., Li, Q., Petrushina, I., Bajo, J. L. & Grahl-Madsen, L.
01/04/2013 → 24/01/2018
Project: PhD

Mobility and Interfacial Effects under Degradation of Polymer Solar Cells
Roth, B., Krebs, F. C., Lauritzen, H., Kettle, J. P. & Maes, W.
01/04/2013 → 16/06/2016
Project: PhD

Quantum and field effects of oxide heterostructures
Trier, F., Pryds, N., Chen, Y., Jespersen, T. S., Thygesen, K. S., Gabay, M. & Granozio, F. M.
01/03/2013 → 30/09/2016
Project: PhD

Powerpipe hybrid solar panel
Furbo, S., Fan, J. & Perers, B.
01/01/2013 → 30/06/2014
Project

SMARTONICS FP7
Beliats, M.
01/01/2013 → 01/08/2014
Project

AC superconducting wires
Wulff, A. C.
01/01/2013 → 31/12/2013
Project

In-situ Neutron Imaging of Solid Oxide Fuel Cells
01/01/2013 → 20/04/2016
Project: PhD
Investigation of performance and lifetime limiting effects in Li-air battery cells
01/12/2012 → 22/02/2016
Project: PhD

Management of Lithium-air batteries - safety, reliability and performance
Christensen, A. E., Norby, P., Larsen, E., Vestin, K., Jensen, S. H., Monroe, C. W. & Møller, P. J.
01/12/2012 → 20/04/2016
Project: PhD

Shaping our Energy Future with Electrospinning
Zhang, W. (.
15/10/2012 → 14/10/2014
Project

Oxygen Membranes for Biomass Gasification and Cement Industry
01/09/2012 → 27/01/2016
Project: PhD

Preparation and characterization of cathode materials for lithium-oxygen batteries
15/08/2012 → 20/09/2016
Project: PhD

Towards Smart Grid Ready SOFC
Hjelm, J.
01/08/2012 → 31/07/2014
Project

Computational analysis and design of new materials for lithium-air batteries
Mekonnen, Y. S., Vegge, T., Garcia-Lastra, J. M., Hummelshøj, J. S., Blanchard, D., Rossmeisl, J. & Siegel, D. J.
01/08/2012 → 02/12/2015
Project: PhD

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

Anion Conducting Polymer Membranes for Hydrogen Production Through Alkaline Water Electrolysis
Aili, D.
01/07/2012 → 30/06/2014
Project

Miljøvenlige, organiske solceller med kontrolleret nanostruktur, baseret på partikler i vandig dispersion
01/06/2012 → 30/09/2015
Project: PhD

Hybrid metal-graphene nanostructured materials for innovative plasmonic electrodes
Beliatis, M.
01/03/2012 → 01/03/2014
Project
Direct conversion of carbon to electricity in a hybrid solid oxide fuel cell
Deleebeeck, L., Kammer Hansen, K., Mogensen, M. B., Hagen, A., Lagergren, C. & Skou, E. M.
01/03/2012 → 03/06/2015
Project: PhD

Electrolyte and electrocatalysts combinations suitable for CO2 reduction and O2 evolution
01/03/2012 → 02/09/2015
Project: PhD

Fabrication of Green Hydrocarbon Fuels via Capture and Electrolysis of CO2
01/03/2012 → 13/05/2015
Project: PhD

Design and Optimization of Effective Segmented Thermoelectric Generator for Waste Heat Recovery
Pham, H. N., Pryds, N., Linderoth, S., Nong, N. V., Ramousse, S., Eklund, P. & Roch, A.
01/02/2012 → 02/12/2015
Project: PhD

A Novel Thermoelectric Power Generator
Van Nong, N.
01/01/2012 → 31/05/2012
Project

Development of novel electrode-catalyst materials for Li-air battery cathodes
01/01/2012 → 01/07/2015
Project: PhD

High-efficiency, low-cost electrode surfaces for next generation alkaline electrolysis
14/12/2011 → 12/12/2014
Project

Hydrogen from RES: pressurised alkaline electrolyser with high efficiency
Bowen, J. R., Jørgensen, P. S. & Bentzen, J. J.
01/11/2011 → 30/04/2015
Project

Solar Hydrogen Fuel Production Station
Beliats, M.
31/10/2011 → 01/09/2012
Project

Kinetic studies and Computational Fluid Dynamics (CFD) simulations to aid in the development og Tantalum coated extreme corrosion resistance welded plate heat exchangers (ECWP)
01/10/2011 → 17/12/2014
Project: PhD

Modelling environmentally friendly materials for magnetic refrigeration
von Moos, L., Bahl, C., Engelbrecht, K., Nielsen, K. K., Abrahamsen, A. B., Burriel, R. & Cohen, L.
01/10/2011 → 17/12/2014
Project: PhD
Computational Design of New Materials for Ammonia Storage
Jensen, P. B., Vegge, T., Quaade, U., Rossmeisl, J., Bligaard, T. & Hammer, B.
15/09/2011 → 17/12/2014
Project: PhD

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

Fremstilling og karakteriseringsaf materiale og komponenter til mellemliggende emperatur brændselceller og vandelektrolyse
15/08/2011 → 26/11/2014
Project: PhD

Development and processing of p-type oxide thermoelectric materials
01/08/2011 → 26/11/2014
Project: PhD

Modeling of shape instabilities occurring during sintering
Tadesse Molla, T., Frandsen, H. L., Bjørk, R., Pryds, N., Hattel, J. H., Bordia, R. K. & Raether, F.
15/07/2011 → 30/09/2014
Project: PhD

Development and processing of n-type oxide thermoelectric materials
Han, L., Linderoth, S., Nong, N. V., Pryds, N., Kaiser, A., Palmqvist, A. & Weidenkaff, A.
01/07/2011 → 30/09/2014
Project: PhD

Development of functionally graded thermoelectric materials based on optimal average figure-of-merit
Le, T. H., Pryds, N., Kuhn, L. T., Gelbstein, Y. & Rosendahl, L.
01/06/2011 → 26/11/2014
Project: PhD

Experimental tape casting of multilayer for flue gas purification
Schmidt, C. G., Kaiser, A., Andersen, K. B., Kammer Hansen, K., Chatzichristodoulou, C., Graule, T. J. & Görsmann, C. F.
15/05/2011 → 30/09/2015
Project: PhD

Experimental Extrusion of Tubular Multilayer Materials for Oxygen Membranes
01/05/2011 → 17/12/2014
Project: PhD

Inorganic Proton Conducting Materials
15/04/2011 → 24/09/2014
Project: PhD

Experimental Tape Casting of Adjacently Graded Materials for Magnetic Refrigeration
01/04/2011 → 26/11/2014
Project: PhD
SOFC Stack Diagnostics
01/04/2011 → 04/02/2015
Project: PhD

Adiabatic Liquid Piston Compressed Air Energy Storage
Bang-Møller, C., Reinholdt, L., Elmegaard, B., Pedersen, A. S., Pedersen, A. H. & Crotogino, F.
01/03/2011 → …
Project

Medium Temperature Water Electrolysis
01/03/2011 → 28/02/2015
Project

Udvikling og karakterisering af avancerede Li-batterier
01/03/2011 → 02/09/2015
Project: PhD

In situ characterisation of structure and transport in battery electrolytes and electrodes
01/01/2011 → 26/02/2014
Project: PhD

Polymer photovoltaics - Large-cells - R2R-produced polymer solar cells
Hösel, M., Krebs, F. C., Andreasen, J. W., Laursen, B. W. & Lianos, P.
01/01/2011 → 26/02/2014
Project: PhD

Investigation of the degradation of solid oxide cells applied for electrolysis
Tao, Y., Mogensen, M. B., Ebbesen, S. D., Nielsen, J., Brisse, A. & Irvine, J. T. S.
15/12/2010 → 26/02/2014
Project: PhD

Use of Biomass derived fuels for SOFC’s effect of fuel impurities
Johnson, G., Hagen, A. & Hjalmarsson, P.
15/12/2010 → 15/04/2016
Project: PhD

OXIDE THERMOELECTRICS FOR EFFECTIVE POWER GENERATION FROM WASTE HEAT
Van Nong, N.
01/12/2010 → …
Project

Risk-benefit analyser af funktionelle fødevarer – Fokus på D-vitamin
Burild, A., Jakobsen, J., Poulsen, M. & Frandsen, H. L.
01/12/2010 → 30/11/2014
Project

Degardation of nanoparticle composite solar cells comprising both organic and inorganic materials
01/10/2010 → 13/05/2015
Project: PhD
Nano-Structures of Organic-based photovoltaic Cells
01/10/2010 → 18/12/2013
Project: PhD

Organic-based photovoltaic cells with morphology control
Andersen, T. R., Bundgaard, E., Jørgensen, M., Kuhn, L. T., Brabec, C. J. & Lira-Cantu, M.
01/10/2010 → 11/12/2013
Project: PhD

Roll-to-roll adaptation of high efficiency organic-based photovoltaic cells
Trofod, T., Krebs, F. C., Holtappels, P., Moons, E. & Thompson, B. C.
01/10/2010 → 24/09/2014
Project: PhD

Large-area Organic and Hybrid Solar Cells
Krebs, F. C. & Søndergaard, R. R.
01/09/2010 → 31/08/2014
Project

Nye typer af elektrokatalysatorer til elektrolyse- og brændselsceller
01/09/2010 → 03/02/2014
Project: PhD

Theoretical investigations of novel materials for nitrogen fixation
01/09/2010 → 11/12/2013
Project: PhD

Upscaling of Highly Flexible Polymer Solar Cells
Angmo, D., Krebs, F. C., Holtappels, P., Moons, E. & Thompson, B. C.
01/09/2010 → 26/02/2014
Project: PhD

Danish-Chinese Center for Organic based Photovoltaic Cells with Morphology Control
31/08/2010 → 31/08/2016
Project

Højtemperatur PEM Brandselsceller og organiske brændsler
01/08/2010 → 30/09/2014
Project: PhD

Indium-tin-oxide free roll-to-roll processed polymer solar cells
Dam, H. F., Krebs, F. C., Brabec, C. J., Kuhn, L. T. & Yu, D.
01/08/2010 → 11/12/2013
Project: PhD

Large Area Roll-to-roll processed photocatalytic films for solar energy conversion and storage
Jensen, J., Krebs, F. C., Andreasen, J. W., Laursen, B. W. & Lianos, P.
01/08/2010 → 26/02/2014
Project: PhD
Development and application of a green Chemistry solution deposition technique for buffer layer coating on cue-textured metal substrates in view of further deposition of rare-earth based superconductors
Pallewatta, P. G. A. P., Grivel, J., Kaiser, A., Rubesova, K. & Steenberg, T.
01/07/2010 → 26/02/2014
Project: PhD

Development of a fluorine-free chemical solution deposition route for rare-earth cuprate superconducting tapes and its application to reel-to-reel
Tang, X., Grivel, J., Agersted, K., Augieri, A. & Driessche, I. J. M. V.
01/07/2010 → 30/09/2013
Project: PhD

Durable and Robust SOFC
Hjelm, J.
01/07/2010 → 31/07/2012
Project

Electrolytes for electrochemical N2 fixation cells
Lapina, A., Holtappels, P., Mogensen, M. B., Vegge, T., Haart, L. G. J. D. & Irvine, J. T. S.
15/05/2010 → 30/09/2013
Project: PhD

Low Temperature oxidation of hydrocarbons using an electrochemical reactor
Ippolito, D., Kammer Hansen, K., Christensen, H., Bonanos, N., Marnellos, G. E. & Skou, E. M.
01/05/2010 → 19/08/2013
Project: PhD

Degradation mechanism of the LSCF Cathode
Zhang, W., Chen, M., Barfod, R. G., Hendriksen, P. V., Hjelm, J., Hallstedt, B. & Markus, T.
15/04/2010 → 19/03/2013
Project: PhD

Development of improved electrodes in high temperature PEM fuel cells
15/03/2010 → 11/12/2013
Project: PhD

BioSOFC - 3rd Generation Biomass Based Combined Heat and Power (CHP)
01/03/2010 → 01/03/2013
Project

Low Temperature NOx decomposition using an electrochemical Reactor
Shao, J., Kammer Hansen, K., Hjelm, J., Kustov, A. & Vernoux, P.
01/03/2010 → 19/08/2013
Project: PhD

Test and Approval Center for Fuel Cell and Hydrogen Technologies: Phase I. Initiation
Hagen, A.
01/01/2010 → 30/06/2012
Project

Electrolytes for Synthesis of CO2-neutral Fuels
01/01/2010 → 19/08/2013
Project: PhD
Electrochemical Removal of NOx and Hydrocarbons
Friedberg, A. Z., Kammer Hansen, K., Jensen, S. H., Rasmussen, S. B. & Tsiplakides, D. T.
01/12/2009 → 17/12/2014
Project: PhD

Synthesis of new polymer materials for high efficiency photovoltaire cells
Carlé, J. E., Jørgensen, M., Krebs, F. C., Sommer-Larsen, P., Christensen, J. B. & R. Andersson, M.
01/10/2009 → 24/06/2013
Project: PhD

Computational analysis of the interaction of water with materials for energy storage
Lysgaard, S., Vegge, T., Bligaard, T., Rossmeisl, J., Hellman, A. & Jónsson, H.
15/09/2009 → 19/03/2013
Project: PhD

Computational screening of new carbon-neutral energy materials
15/09/2009 → 19/03/2013
Project: PhD

Development of long cube textured metal substrates suitable for reel-to-reel processing and applications under both ac and dc conditions
Wulff, A. C., Grivel, J., Andersen, N. H., Mishin, O., Juul Jensen, D., Glowacki, B. A. & Holzapfel, B.
01/09/2009 → 28/01/2013
Project: PhD

Nanostructered Ceramic Oxygen Sensors
01/09/2009 → 17/12/2012
Project: PhD

New Electrolytes for CO2 Electrolysis Cells
01/09/2009 → 19/03/2013
Project: PhD

Lengthening the Lifetime of R2R-produced Polymer Solar Cells
01/08/2009 → 24/06/2013
Project: PhD

High Performance polymer solar cells through rational characterization and design
01/07/2009 → 19/10/2012
Project: PhD

High Temperature Alkaline Electrolyser Cell
15/05/2009 → 01/03/2013
Project: PhD

Electrochemical Reduction of NOx
Traulsen, M. L., Kammer Hansen, K., Holtappels, P., Rasmussen, S. B. & Skou, E. M.
01/05/2009 → 27/06/2012
Project: PhD
A high performance ion transport membrane (HP-ITM)
Kaiser, A.
01/04/2009 → 30/06/2010
Project

Development of 3D EBSD for characterisation of solid oxide electrolysis cells in relation to performance and degradation
Saowadee, N., Bowen, J. R., Agersted, K., Lauridsen, E. M., Gholinia, A. & Ringgaard, E.
01/04/2009 → 30/09/2015
Project: PhD

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

Cathodes for solid Oxide Fuel Cells Operating at 400 C
15/02/2009 → 23/09/2012
Project: PhD

Anodes for SOFCs Operating at 400 degrees
Abdul Jabbar, M. H., Bonanos, N., Hægh, J. V. T., Skaarup, S., Boukamp, B. A. & Skou, E. M.
15/12/2008 → 18/04/2012
Project: PhD

Computational methods for describing reaction rates at interfaces of energy materials
Maronsson, J. B., Vegge, T., Jonsson, H., Rossmeisl, J., Henkelman, G. & Wahnström, G.
01/12/2008 → 18/04/2012
Project: PhD

3D Studies of Coarsening Kinetics of Individual Grains
01/09/2008 → 29/03/2012
Project: PhD

Investigating the Stability of Electrode-electrolyte-interfaces
01/02/2008 → 08/02/2012
Project: PhD

Innovative solid oxide electrolyser stacks for efficient and reliable hydrogen production
Bowen, J. R., Ebbesen, S. D. & Ehora, G.
01/01/2008 → 31/12/2011
Project

Polymer Solar Cells for Solar Energy Conversion
Krebs, F. C.
01/01/2008 → 31/12/2013
Project

Automatic Quantitative Image Analysis of 3D Micrographs
01/03/2007 → 22/09/2010
Project: PhD
Development of software for the analysis of positron lifetime spectra
Eldrup, M. M., Kirkegaard, P. & Olsen, J. V.
01/01/2007 → …
Project

Resistance of Ni-Cermet anode supports against reduction-oxidation cycling: a step towards better durability of solid oxide fuel cells
Kaiser, A.
01/05/2006 → 30/04/2010
Project

Activities:

Cerâmica (Journal)
Esposito, V. (Editor)
2018
Activity: Research › Journal editor

Journal of Power Sources (Journal)
Hagen, A. (Reviewer)
2017
Activity: Research › Peer review of manuscripts

Wissenschaftsfonds FWF (Fonds zur Förderung der wissenschaftlichen Forschung) Österreichs (External organisation)
Hagen, A. (Chairman)
2017
Activity: Membership › Membership in review committee

Operation of real landfill gas fueled solid oxide fuel cell (SOFC) using internal dry reforming
Langnickel, H. (Guest lecturer), Hagen, A. (Guest lecturer)
12 Dec 2017 → 15 Dec 2017
Activity: Talks and presentations › Conference presentations

Reversible Operation using Carbonaceous Gasses of a 30-cell Solid Oxide Cell Stack
Jensen, S. H. (Guest lecturer), Langnickel, H. (Guest lecturer), Nils Hintzen (Other), Chen, M. (Guest lecturer), Sun, X. (Guest lecturer), Hauch, A. (Guest lecturer), Butera, G. (Guest lecturer), Clausen, L. R. (Guest lecturer)
12 Dec 2017 → 15 Dec 2017
Activity: Talks and presentations › Conference presentations

Towards solid oxide electrolysis plants in 2020
Chen, M. (Other)
28 Nov 2017
Activity: Talks and presentations › Conference presentations

Wilson K. S. Chiu
Bowen, J. R. (Host)
14 Nov 2017
Activity: Hosting a guest lecturer

Gerardina Carbone
Bowen, J. R. (Host)
13 Nov 2017
Activity: Hosting a guest lecturer
Development of Oxygen Electrodes for High Temperature and Pressure Alkaline Electrolysis Cells (HTP-AEC)
Adolphsen, J. Q. (Guest lecturer)
3 Nov 2017
Activity: Talks and presentations › Conference presentations

Perspectives in alkaline water electrolysis using membranes
Kraglund, M. R. (Speaker)
3 Nov 2017
Activity: Talks and presentations › Conference presentations

Keramiske membraner til iltbæst forgasning
Bjørnetun Haugen, A. (Invited speaker)
1 Nov 2017
Activity: Talks and presentations › Conference presentations

Advanced Concepts in Photovoltaics
Poulsen, P. B. (Organizer), Benatto, G. A. D. R. (Organizer), Schou, J. (Organizer)
10 Oct 2017 → 13 Oct 2017
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Progress in Photovoltaic Research in Denmark 2017
Poulsen, P. B. (Organizer), Benatto, G. A. D. R. (Organizer)
9 Oct 2017
Activity: Attending an event › Participating in or organising a conference

12th International SDEWES Conference
Dominkovic, D. F. (Speaker)
6 Oct 2017
Activity: Talks and presentations › Conference presentations

Advanced fabrication of porous ceramic multilayers for membrane applications
Kaiser, A. (Keynote speaker), Zhang, W. (Invited speaker), Pinelo, M. (Invited speaker), Della Negra, M. (Other)
2 Oct 2017
Activity: Talks and presentations › Conference presentations

Capillary-Based Micro-Battery Cells for Operando X-Ray Diffraction Studies of Electrode Materials in Working Li-Ion Batteries
Johnsen, R. E. (Speaker)
1 Oct 2017 → 5 Oct 2017
Activity: Talks and presentations › Conference presentations

In situ TEM study of the coarsening of carbon black supported Pt nanoparticles in hydrogen
Simonsen, S. B. (Speaker)
1 Oct 2017 → 5 Oct 2017
Activity: Talks and presentations › Conference presentations

NOMAD Summer
Loftager, S. (Participant)
25 Sep 2017 → 29 Sep 2017
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Fuel Cells (Journal)
Hagen, A. (Reviewer)
Aug 2017
Activity: Communication › Journal editor
**SOFC/battery powered electrical vehicle**
Hagen, A. (External examiner)
Aug 2017 → Dec 2017
Activity: Examinations and supervision › Supervisor activities

**Anode Catalyst Layer Contributing to the Overall Impedance of Polymer Electrolyte Membrane Electrolysis Cells during Water Electrolysis - A Hypothesis**
Elsæe, K. (Guest lecturer)
30 Aug 2017
Activity: Talks and presentations › Conference presentations

**The 15th International Conference on Advanced Materials IUMRS-ICAM**
Van Nong, N. (Organizer)
27 Aug 2017 → 1 Sep 2017
Activity: Attending an event › Participating in or organising a conference

**NOVEL MATERIALS FOR MORE ROBUST SOLID OXIDE FUEL CELLS IN SMALL SCALE APPLICATIONS**
Holtappels, P. (Invited speaker)
21 Aug 2017
Activity: Talks and presentations › Conference presentations

**Blockchain Summer School 2017**
Dominkovic, D. F. (Participant)
14 Aug 2017 → 18 Aug 2017
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

**Progress of SOFC/SOEC Development at DTU Energy: From Materials to Systems**
Hagen, A. (Guest lecturer), Hendriksen, P. V. (Other)
Jul 2017
Activity: Talks and presentations › Conference presentations

**Thermoneutral Operation of Solid Oxide Electrolysis Cells in Potentiostatic Mode**
Chen, M. (Other)
23 Jul 2017 → 28 Jul 2017
Activity: Talks and presentations › Conference presentations

**Materials Optimization Using Advanced Computational Methods**
Hansen, H. A. (Invited speaker)
17 Jul 2017
Activity: Talks and presentations › Conference presentations

**Borohydride for Batteries**
Blanchard, D. (Panel member)
16 Jul 2017 → 21 Jul 2017
Activity: Talks and presentations › Conference presentations

**Climate-KIC PhD Summer School Urban Transition Amsterdam-Bologna 2017**
Dominkovic, D. F. (Participant)
16 Jul 2017 → 30 Jul 2017
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

**Development of Porous LaNi0.6Fe0.4O3 Electrodes with Tailored Microstructure for High Temperature and Pressure Alkaline Electrolysis Cells**
Adolphsen, J. Q. (Guest lecturer)
12 Jul 2017
Activity: Talks and presentations › Conference presentations
Advanced manufacturing of porous ceramic structures for use in energy applications
Kaiser, A. (Invited speaker)
10 Jul 2017
Activity: Talks and presentations › Conference presentations

30th International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems
Dominkovic, D. F. (Speaker)
5 Jul 2017
Activity: Talks and presentations › Conference presentations

3D Microstructural Evolution of a Solid Oxide Cell during a Redox Cycle by High Resolution Ptychographic Tomography
De Angelis, S. (Guest lecturer)
28 Jun 2017
Activity: Talks and presentations › Conference presentations

Pulsed laser deposition (PLD) of the CZTS absorber for thin solar cells with up to 5.2-%-efficiency
Schou, J. (Guest lecturer), Cazzaniga, A. C. (Other), Carulescu, S. (Other), Crovotto, A. (Other), Ettlinger, R. B. (Other), Pryds, N. (Guest lecturer), Hansen, O. (Other), Chang Yan (Other), Kaiwen Sun (Other), Xiaojing Hao (Other)
26 Jun 2017 → 30 Jun 2017
Activity: Talks and presentations › Conference presentations

Multiphase oxygen electrodes for solid oxide electrolysis cells
Tripkovic, D. (Speaker), Hendriksen, P. V. (Other), Mogensen, M. B. (Other)
22 Jun 2017
Activity: Talks and presentations › Conference presentations

The 40th International IAEE Conference
Dominkovic, D. F. (Speaker)
21 Jun 2017
Activity: Talks and presentations › Conference presentations

21st International Conference on Solid State Ionics
Esposito, V. (Organizer)
18 Jun 2017 → 23 Jun 2017
Activity: Attending an event › Participating in or organising a conference

21st INTERNATIONAL CONFERENCE ON SOLID STATE IONICS
Blanchard, D. (Guest lecturer)
18 Jun 2017 → 23 Jun 2017
Activity: Talks and presentations › Conference presentations

High ionic conductivity in confined heterostructures
Sanna, S. (Speaker)
18 Jun 2017 → 23 Jun 2017
Activity: Talks and presentations › Conference presentations

Demonstration of Impedance Spectroscopy as a Method to Evaluate Losses of Polymer Electrolyte Membrane Electrolysis Cells during Water Electrolysis
Elsøe, K. (Guest lecturer)
14 Jun 2017
Activity: Talks and presentations › Conference presentations

Solid Oxide Electrolysis for Grid Balancing: Recent Achievements and Future Challenges
Chen, M. (Speaker)
13 Jun 2017 → 15 Jun 2017
**Alkaline membrane electrolysis with PEM-level electrochemical performance**
Kraglund, M. R. (Guest lecturer)
12 Jun 2017

**Development of novel High Temperature and Pressure Alkaline Electrolysis Cells (HTP-AEC)**
Adolphsen, J. Q. (Guest lecturer)
12 Jun 2017 → 15 Jun 2017

**Tutorial on high-throughput computations**
Loftager, S. (Participant)
29 May 2017 → 31 May 2017

**EMRS Spring meeting 2017**
Schou, J. (Participant), Cazzaniga, A. C. (Participant), Canulescu, S. (Organizer), Ettlinger, R. B. (Participant), Pryds, N. (Participant), Hansen, O. (Organizer), Crovetto, A. (Organizer), Chang Yan (Participant), Kaiwen Sun (Participant), Xiaojing Hao (Participant)
23 May 2017

**Operando X-ray diffraction studies of high-capacity electrode materials using capillary based micro-battery cells**
Johnsen, R. E. (Invited speaker)
22 May 2017 → 26 May 2017

**Topics in Mining, Metallurgy and Materials Engineering (Journal)**
Esposito, V. (Editor)
18 May 2017

**High ionic conductivity in confined heterostructures**
Sanna, S. (Guest lecturer)
27 Apr 2017

**Solid-state lithium sulfur batteries using nanoconfined complex hydrides as solid electrolytes**
Blanchard, D. (Other)
26 Apr 2017 → 27 Apr 2017

**Materials Research Society Spring Meeting 2017**
Schou, J. (Organizer), Cazzaniga, A. C. (Participant), Crovetto, A. (Participant), Ettlinger, R. B. (Participant), Engberg, S. L. J. (Participant), Canulescu, S. (Participant), Pryds, N. (Participant), Hansen, O. (Participant), Chang Yan (Participant), Kaiwen Sun (Participant), Xiaojing Hao (Participant)
17 Apr 2017 → 21 Apr 2017

**Phosphoric Acid Anion Migration through Polybenzimidazole Membrane**
Becker, H. (Speaker)
9 Apr 2017
Udfordringer ved VE-gas anvendt i brændselsceller
Hagen, A. (Guest lecturer)
22 Mar 2017
Activity: Talks and presentations › Conference presentations

Workshop for electromechanical and dielectric materials and devices
Bjørnetun Haugen, A. (Organizer), Simons, H. (Organizer)
9 Mar 2017
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

DFT Studies of the ORR Activity of Carbon Encapsulated Fe3C
Hansen, H. A. (Other)
1 Mar 2017
Activity: Talks and presentations › Conference presentations

MODELING OF LI-ION BATTERY PACKS AS BASIS FOR DESIGN OF BATTERY THERMAL MANAGEMENT SYSTEMS
Engelbrecht, K. (External examiner)
6 Feb 2017
Activity: Examinations and supervision › External examination

41st International Conference and Expo on Advanced Ceramics and Composites
Esposito, V. (Organizer)
22 Jan 2017 → 27 Jan 2017
Activity: Attending an event › Participating in or organising a conference

Ceramic processing of tubular, multilayered oxygen transport membranes (Invited)
Bjørnetun Haugen, A. (Invited speaker)
22 Jan 2017 → 27 Jan 2017
Activity: Talks and presentations › Conference presentations

Thermo-mechanical properties of Metal-supported Solid Oxide Fuel Cells components
Teocoli, F. (Speaker)
22 Jan 2017 → 27 Jan 2017
Activity: Talks and presentations › Conference presentations

Aili, D. (Speaker)
2016
Activity: Talks and presentations › Conference presentations

ChemSusChem (Journal)
Hagen, A. (Reviewer)
2016
Activity: Research › Peer review of manuscripts

Direct use of biogas in SOFC
Hagen, A. (Other)
2016
Activity: Other

ELSEVIER (Publisher)
Esposito, V. (Editor)
2016
Activity: Research › Series editor
Journal of Industrial and Engineering Chemistry (Journal)
Hagen, A. (Reviewer)
2016
Activity: Research › Peer review of manuscripts

Journal of Power Sources (Journal)
Hagen, A. (Reviewer)
2016
Activity: Research › Peer review of manuscripts

Kopernikus PsX (External organisation)
Hagen, A. (Chairman)
2016 → 2026
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

PhD Thesis Kristian B. Knudsen: Censor
Hagen, A. (Internal examiner)
2016
Activity: Examinations and supervision › Internal examination

Polish Science Foundation (External organisation)
Hagen, A. (Chairman)
2016
Activity: Membership › Membership in review committee

Solid State Protonic Conductors 18
Aili, D. (Participant)
2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Ternary polybenzimidazole-based alkaline electrolytes
Aili, D. (Invited speaker)
2016
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Wissenschaftsfonds FWF (Fonds zur Förderung der wissenschaftlichen Forschung) Österreichs (External organisation)
Hagen, A. (Chairman)
2016
Activity: Membership › Membership in review committee

Integrated computational and experimental design of next-generation battery materials
Vegge, T. (Invited speaker)
9 Dec 2016
Activity: Talks and presentations › Conference presentations

Batterier: Status quo og i fremtiden - Fundamentale aspekter og perspektiver
Vegge, T. (Invited speaker)
5 Dec 2016
Activity: Talks and presentations › Conference presentations

Intermediate Temperature Proton Conductors – Why and How
Li, Q. (Invited speaker)
5 Dec 2016 → 7 Dec 2016
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities
Nanyang Technological University
Dominkovic, D. F. (Visiting researcher)
1 Dec 2016 → 31 Mar 2017
Activity: Visiting an external institution › Visiting another research institution

7th European Kesterite Workshop
Rein, C. (Participant)
17 Nov 2016 → 18 Nov 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Solid-State Li-S Batteries based on Borohydride Solid Electrolyte
Blanchard, D. (Invited speaker)
17 Nov 2016
Activity: Talks and presentations › Conference presentations

Solid-State Li-S Batteries based on Borohydride Solid Electrolyte
Blanchard, D. (Invited speaker)
16 Nov 2016
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Computational methods for accelerated DFT-based design of energy materials
Vegge, T. (Invited speaker)
8 Nov 2016
Activity: Talks and presentations › Conference presentations

High Performance Thermoelectric Materials and Modules for Harvesting Waste Heat
Van Nong, N. (Invited speaker)
8 Nov 2016 → 12 Nov 2016
Activity: Talks and presentations › Conference presentations

August Wilhelm Scheer
Vegge, T. (Host)
6 Nov 2016 → 11 Nov 2016
Activity: Hosting a guest lecturer

Processing parameters and raw material influence on the microstructure and performance of SiC membranes for water filtration
Della Negra, M. (Lecturer)
2 Nov 2016 → 3 Nov 2016
Activity: Talks and presentations › Conference presentations

Materials Science & Technology 2016 (MS&T16) conference
Chen, M. (Invited speaker)
Activity: Talks and presentations › Conference presentations

From CO2 to Sustainable Fuels and Chemicals
Vegge, T. (Invited speaker)
Activity: Talks and presentations › Conference presentations

69th Annual Gaseous Electronics Conference
Chen, M. (Invited speaker)
10 Oct 2016
Activity: Talks and presentations › Conference presentations
Computational design of nanoalloys using DFT calculations, genetic algorithms and machine learning
Vegge, T. (Invited speaker)
Activity: Talks and presentations › Conference presentations

PRIME 2016/230th ECS Meeting
Hu, Y. (Speaker)
6 Oct 2016
Activity: Talks and presentations › Conference presentations

Denmark-China Bilateral Workshop on Energy Conversion and Storage
Chen, M. (Organizer)
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Electrochemical Characterization of PEMECs Operating at Various Current Densities
Elsøe, K. (Guest lecturer)
2 Oct 2016
Activity: Talks and presentations › Conference presentations

EXPERIMENTAL PROOF OF CONCEPT OF A PIEZOELECTRIC-SHAPE MEMORY ENERGY HARVESTER
Engelbrecht, K. (Supervisor)
2 Oct 2016 → 2 Apr 2017
Activity: Examinations and supervision › Supervisor activities

Genetic Algorithms and DFT for Accelerated Design of Nanoalloys
Hansen, H. A. (Invited speaker)
2 Oct 2016 → 7 Oct 2016
Activity: Talks and presentations › Conference presentations

PRIME 2016/230th ECS Meeting
De Angelis, S. (Participant)
2 Oct 2016
Activity: Attending an event › Participating in or organising a conference

In situ X-ray diffraction studies of electrode materials in working metal-ion batteries and other layered materials
Johnsen, R. E. (Invited speaker)
20 Sep 2016
Activity: Talks and presentations › Conference presentations

Error Identification in DFT for Sustainable Energy Technologies
Christensen, R. (Invited speaker)
15 Sep 2016
Activity: Talks and presentations › Conference presentations

7th International Conference on Magnetic Refrigeration at Room Temperature (Thermag VII)
Bahl, C. (Speaker)
11 Sep 2016 → 14 Sep 2016
Activity: Talks and presentations › Conference presentations

Brown University
Christensen, R. (Visiting researcher)
11 Sep 2016 → 18 Sep 2016
Activity: Visiting an external institution › Visiting another research institution
11th Conference on Sustainable Development of Energy, Water and Environment Systems
Dominkovic, D. F. (Speaker)
4 Sep 2016 → 9 Sep 2016
Activity: Talks and presentations › Conference presentations

Quasi-Elastic Neutron Scattering studies for Material Research
Blanchard, D. (Invited speaker)
2 Sep 2016
Activity: Talks and presentations › Conference presentations

Quasi-Elastic Neutron Scattering Studies on Solid Electrolytes for all-solid-state Lithium Batteries
Blanchard, D. (Invited speaker)
30 Aug 2016
Activity: Talks and presentations › Conference presentations

IN-SITU TRANSMISSION ELECTRON MICROSCOPY ON OPERATING ELECTROCHEMICAL CELLS
Gualandris, F. (Speaker)
28 Aug 2016 → 2 Sep 2016
Activity: Talks and presentations › Conference presentations

SOCs for various occasions
Linderoth, S. (Lecturer)
24 Aug 2016
Activity: Talks and presentations › Conference presentations

67th Annual Meeting of the International Society of Electrochemistry in The Hague
Hansen, H. A. (Speaker)
Activity: Talks and presentations › Conference presentations

2016 CAMD Summer School on Electronic Structure Theory and Materials Design
Vegge, T. (Organizer)
Activity: Attending an event › Participating in or organising a conference

Atomic Scale Modeling of Electrocatalytic Reactions
Hansen, H. A. (Invited speaker)
12 Aug 2016
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

15th International Symposium on Metal-Hydrogen Systems
Blanchard, D. (Speaker)
10 Aug 2016
Activity: Talks and presentations › Conference presentations
Computational Design of Materials for Hydrogen Storage, Batteries and Electrocatalysis
Vegge, T. (Invited speaker)
Activity: Talks and presentations › Conference presentations

Summer school on Smart Energy Systems and Entrepreneurship
Dominkovic, D. F. (Speaker)
Activity: Talks and presentations › Conference presentations

Bayesian statistics to improve accuracy through identification and correction of systematic errors in DFT
Vegge, T. (Invited speaker)
24 Jul 2016 → 29 Jul 2016
Activity: Talks and presentations › Conference presentations

CEA-TUM Summer School on the Future of a Common European Strategy
Dominkovic, D. F. (Speaker)
6 Jul 2016
Activity: Talks and presentations › Conference presentations

Presentation of DTU Energy: by Professor Søren Linderoth
Linderoth, S. (Speaker)
6 Jul 2016
Activity: Other

12th European SOFC & SOE Forum 2016
Chen, M. (Speaker)
5 Jul 2016 → 8 Jul 2016
Activity: Talks and presentations › Conference presentations

Workshop on Ion Exchange Membranes for Energy Applications
Kirkebæk, A. (Participant)
27 Jun 2016 → 29 Jun 2016
Activity: Attending an event › Participating in or organising a conference

29th International Conference on Efficiency, Cost, Optimisation, Simulation and Environmental Impact of Energy Systems
Dominkovic, D. F. (Speaker)
21 Jun 2016
Activity: Talks and presentations › Conference presentations

Computational Design of Materials for Electrochemical Energy Storage at DTU Energy
Vegge, T. (Invited speaker)
21 Jun 2016 → 22 Jun 2016
Activity: Talks and presentations › Conference presentations

Trends and frontiers in solid state energy conversion - materials and technologies
Bahl, C. (Keynote speaker)
20 Jun 2016
Activity: Talks and presentations › Conference presentations

6th Baltic Electrochemistry Conference
Melander, M. (Speaker)
17 Jun 2016
Activity: Talks and presentations › Conference presentations
2nd South East European Conference on Sustainable Development of Energy, Water and Environment Systems
Dominkovic, D. F. (Speaker)
15 Jun 2016 → 18 Jun 2016
Activity: Talks and presentations › Conference presentations

**Nanoconfined LiBH4 in mesoporous silica scaffold as solid electrolyte for solid-state Lithium battery**
Blanchard, D. (Invited speaker)
14 Jun 2016
Activity: Talks and presentations › Conference presentations

**Hydrogen Storage & Transport in Denmark**
Chen, M. (Participant)
8 Jun 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

**GPAW 2016: Users and developers meeting**
Melander, M. (Speaker)
6 Jun 2016 → 10 Jun 2016
Activity: Talks and presentations › Conference presentations

**Effect of fast mass diffusion regime on defective ceria mechano-chemo-electrical properties: By Vincenzo Esposito**
Esposito, V. (Invited speaker)
2 Jun 2016
Activity: Talks and presentations › Conference presentations

**Hydrides as Energy Materials**
Blanchard, D. (Speaker)
2 Jun 2016
Activity: Talks and presentations › Conference presentations

**Integrated Computational and Experimental Design of Next-Generation Battery Materials**
Vegge, T. (Invited speaker)
1 Jun 2016 → 3 Jun 2016
Activity: Talks and presentations › Conference presentations

**The 229th ECS Meeting**
Hansen, H. A. (Speaker)
29 May 2016 → 2 Jun 2016
Activity: Talks and presentations › Conference presentations

**The 229th ECS Meeting**
Tripkovic, V. (Speaker)
29 May 2016 → 2 Jun 2016
Activity: Talks and presentations › Conference presentations

**Lithium-Sulfur Solid-State Batteries Based on Nanoconfined LiBH4**
Blanchard, D. (Invited speaker)
24 May 2016
Activity: Talks and presentations › Conference presentations

**9th European Heat Pump Forum**
Dominkovic, D. F. (Participant)
18 May 2016 → 20 May 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.
2016 E-MRS Spring Meeting and Exhibit  
Johnsen, R. E. (Speaker)  
2 May 2016 → 6 May 2016  
Activity: Talks and presentations › Conference presentations

Solid Oxide Fuel Cells at DTU Energy – From fundamental research towards application for renewable energy systems  
Hagen, A. (Guest lecturer)  
Apr 2016  
Activity: Talks and presentations › Conference presentations

Large scale heat pumps as a link between intermittent electrical energy sources and district heating sector  
Dominkovic, D. F. (Invited speaker)  
20 Apr 2016  
Activity: Talks and presentations › Conference presentations

Introduction to DTU Energy Research  
Linderoth, S. (Participant)  
8 Apr 2016  
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Sino-Denmark Bilateral Forum: Possibilities and Challenges of Solid Oxide Cells in Energy Transition  
Linderoth, S. (Speaker)  
8 Apr 2016 → 11 Apr 2016  
Activity: Talks and presentations › Conference presentations

Sino-Denmark Bilateral Forum: Possibilities and Challenges of Solid Oxide Cells in Energy Transition  
Chen, M. (Organizer)  
8 Apr 2016 → 11 Apr 2016  
Activity: Attending an event › Participating in or organising a conference

Hydrogen Day 2016  
Li, Q. (Participant)  
6 Apr 2016 → 8 Apr 2016  
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Computational Design of Materials Atomic-scale modeling of electrode reactions in Zn-air batteries  
Vegge, T. (Invited speaker)  
4 Apr 2016 → 6 Apr 2016  
Activity: Talks and presentations › Conference presentations

Challenges in Going from 2nd Order to 1st Order Materials in Magnetic Refrigeration Devices  
Bahl, C. (Invited speaker)  
28 Mar 2016 → 1 Apr 2016  
Activity: Talks and presentations › Conference presentations

Electrolysis and electrochemistry  
Hagen, A. (Other)  
29 Feb 2016 → 4 Mar 2016  
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

10th International Symposium "Hydrogen & Energy"  
Blanchard, D. (Speaker)  
21 Feb 2016 → 26 Feb 2016  
Activity: Talks and presentations › Conference presentations
Computational Design of Materials for Electrochemical Energy Conversion and Storage
Vegg, T. (Invited speaker)
21 Feb 2016 → 25 Feb 2016
Activity: Talks and presentations › Conference presentations

Platform for smart energi, Energistyrelsen (External organisation)
Pedersen, A. S. (Participant)
15 Feb 2016 → 30 Jun 2017
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

40th International Conference and Exposition on Advanced Ceramics and Composites
Esposito, V. (Organizer)
24 Jan 2016 → 29 Jan 2016
Activity: Attending an event › Participating in or organising a conference

High Pressure Synthesis of Non-precious Metal ORR Catalysts for Fuel Cells
Li, Q. (Invited speaker)
18 Jan 2016 → 19 Jan 2016
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

24th International Materials Research Congress
Neves Bez, H. (Speaker)
2015
Activity: Talks and presentations › Conference presentations

Annual Meeting of the Danish Electrochemical Society 2015
Hu, Y. (Speaker)
2015
Activity: Talks and presentations › Conference presentations

Chemical Engineering Journal (Journal)
Hagen, A. (Reviewer)
2015
Activity: Research › Peer review of manuscripts

Delft Days on Magnetocalorics 2015
Neves Bez, H. (Participant)
2015
Activity: Attending an event › Participating in or organising a conference

European School of Magnetism
Neves Bez, H. (Participant)
2015 → …
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Fuel Cells (Journal)
Hagen, A. (Reviewer)
2015
Activity: Communication › Journal editor

Fuel Cells (Journal)
Hagen, A. (Reviewer)
2015
Activity: Research › Peer review of manuscripts
International Journal of Hydrogen Energy (Journal)
Hagen, A. (Reviewer)
2015
Activity: Research › Peer review of manuscripts

Journal of Power Sources (Journal)
Hagen, A. (Reviewer)
2015
Activity: Research › Peer review of manuscripts

Journal of Solid State Electrochemistry (Journal)
Hagen, A. (Reviewer)
2015
Activity: Research › Peer review of manuscripts

PhD thesis Lisa Deleebeeck: Censor
Hagen, A. (Internal examiner)
2015
Activity: Examinations and supervision › Internal examination

PhD thesis Olivier Thomann: Censor
Hagen, A. (External examiner)
2015
Activity: Examinations and supervision › External examination

RFCcontrol: Open source control software for fuel cell and electrolyser test stations
Koch, S. (Participant)
2015
Activity: Other

Study of mesoporous ZSM-5
Hagen, A. (Other)
2015 → 2016
Activity: Other

Topics in catalysis (Journal)
Hagen, A. (Reviewer)
2015
Activity: Research › Peer review of manuscripts

Helmholtz Institute Ulm (External organisation)
Vegge, T. (Participant)
18 Dec 2015 → …
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Accelerated DFT-based Design of Materials for Ammonia Storage
Vegge, T. (Invited speaker)
15 Dec 2015
Activity: Talks and presentations › Conference presentations

Nordic Battery Conference 2015
Loftager, S. (Participant)
2 Dec 2015 → 3 Dec 2016
Activity: Attending an event › Participating in or organising a conference
Modelling, optimisation, design and analysis of integrated energy systems
Dominkovic, D. F. (Participant)
30 Nov 2015 → 4 Dec 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Computational Design of Materials for Energy Conversion and Storage
Vegge, T. (Invited speaker)
20 Nov 2015
Activity: Talks and presentations › Conference presentations

Gas network modelling: Master Thesis by Marco Cavana
Pedersen, A. S. (Supervisor)
15 Nov 2015 → 10 Jul 2016
Activity: Examinations and supervision › Supervisor activities

On the Analysis of Positron Lifetime Spectra
Eldrup, M. M. (Lecturer)
12 Nov 2015 → 13 Nov 2015
Activity: Talks and presentations › Conference presentations

DFT Studies of the Oxygen Reduction Reaction on Fe3C-graphite catalysts
Hansen, H. A. (Keynote speaker)
10 Nov 2015
Activity: Talks and presentations › Conference presentations

International Conference on Innovative Electrochemical Energy Materials and Technologies
Reda, M. (Speaker)
8 Nov 2015 → 11 Nov 2015
Activity: Talks and presentations › Conference presentations

International Conference on Innovative Electrochemical Energy Materials and Technologies
Reda, M. (Speaker)
8 Nov 2015 → 11 Nov 2015
Activity: Talks and presentations › Conference presentations

A Perspective on Next-generation Battery Technologies
Vegge, T. (Invited speaker)
5 Nov 2015
Activity: Talks and presentations › Conference presentations

Delft Days on Magnetocalorics 2015
Bahl, C. (Participant)
2 Nov 2015 → 3 Nov 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Delft Days on Magnetocalorics 2015
Insinga, A. R. (Participant)
2 Nov 2015 → 3 Nov 2015
Activity: Attending an event › Participating in or organising a conference

Danish Electrochemical Society (External organisation)
Traulsen, M. L. (Chairman)
1 Nov 2015 → …
Activity: Membership › Board duties in companies, associations, or public organisations
Descriptor based Design of Catalytic Nanoalloys and Clusters using Density Functional Theory and Genetic Algorithms
Vegge, T. (Invited speaker)
26 Oct 2015 → 29 Oct 2015
Activity: Talks and presentations › Conference presentations

High Performance Segmented Oxides-based Materials
Van Nong, N. (Invited speaker)
Activity: Talks and presentations › Conference presentations

PhD defense (opponent): Manuel Placencia Gutierrez, "Searching for saddle points and global minima"
Vegge, T. (External examiner)
20 Oct 2015
Activity: Examinations and supervision › External examination

BACHU NARAIN SINGH: ENDURING IMPACT ON RADIATION DAMAGE PHYSICS
Eldrup, M. M. (Speaker)
Activity: Talks and presentations › Conference presentations

Ionic and electronic transport properties in LiFeBO3 from DFT
Vegge, T. (Invited speaker)
6 Oct 2015 → 8 Oct 2015
Activity: Talks and presentations › Conference presentations

Workshop on Understanding Interfaces in Electrochemical Storage Systems
Loftager, S. (Participant)
6 Oct 2015 → 7 Oct 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

The 66th Annual Meeting of the International Society of Electrochemistry
Hauch, A. (Participant)
4 Oct 2015 → 9 Oct 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

ELECTROCHEMICAL CONVERSION OF CO2 INTO LIQUID FUEL ON RuO2 (110) OVERLAYERS
Bhowmik, A. (Lecturer)
2 Oct 2015
Activity: Talks and presentations › Conference presentations

Annual Meeting of the Danish Electrochemical Society 2015
Reda, M. (Speaker)
1 Oct 2015 → 2 Oct 2015
Activity: Talks and presentations › Conference presentations

ISOS-8
Corazza, M. (Speaker)
1 Oct 2015
Activity: Talks and presentations › Conference presentations

PhD defense (opponent): Kristian Baruel Ørnsø, "Computational design of molecules for dye sensitized solar cells and nano electronics"
Vegge, T. (Internal examiner)
1 Oct 2015
Activity: Examinations and supervision › Internal examination
Nye Energiteknologier: Danmarks fremtidige energisystem uden fossile brændstoffer – Brændsels细胞er og elektrolyse
Hagen, A. (Participant)
Sep 2015 → Oct 2015
Activity: Other

Polybenzimidazole membranes in alkaline water electrolysis: Chemical and electrochemical stability
Kraglund, M. R. (Other)
29 Sep 2015 → 1 Oct 2015
Activity: Talks and presentations › Conference presentations

Electricity Storage in Batteries
Vegge, T. (Invited speaker)
28 Sep 2015
Activity: Talks and presentations › Conference presentations

Energy Supply Modelling in Cities: Illustrated Using Data from the Danish Municipality of Sønderborg
Sveinbjörnsson, D. Þ. (Keynote speaker)
28 Sep 2015
Activity: Talks and presentations › Conference presentations

Er der vedvarende energi nok til os alle?
Hauch, A. (Lecturer)
21 Sep 2015 → 25 Sep 2015
Activity: Talks and presentations › Conference presentations

4th Metal-air Workshop
Christensen, R. (Speaker)
14 Sep 2015 → 15 Sep 2015
Activity: Talks and presentations › Conference presentations

IN SITU SMALL ANGLE STUDIES OF ROLL-TO-ROLL COATED PEROVSKITE SOLAR CELLS
Rossander, L. H. (Speaker)
14 Sep 2015
Activity: Talks and presentations › Conference presentations

In situ GISAXS/GIWAXS studies of roll-to-roll coated perovskite solar cells
Rossander, L. H. (Speaker)
10 Sep 2015
Activity: Talks and presentations › Conference presentations

PSI-K 2015 Conference
Loftager, S. (Participant)
6 Sep 2015 → 10 Sep 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Journal of Fuel Cell Science and Technology (Journal)
Bowen, J. R. (Editor)
1 Sep 2015 → 31 Dec 2015
Activity: Research › Journal editor
Novel Heterostructured and Multilayered Oxide Thin Films for Future Applications
Linderoth, S. (Keynote speaker)
1 Sep 2015 → 4 Sep 2015
Activity: Talks and presentations › Conference presentations

University of the Basque Country
Loftager, S. (Visiting researcher)
1 Sep 2015 → 30 Sep 2015
Activity: Visiting an external institution › Visiting another research institution

Ionic and electronic transport in solid oxide cells – Seen from an applied perspective
Hagen, A. (Invited speaker)
25 Aug 2015
Activity: Talks and presentations › Conference presentations

European School of Magnetism
Insinga, A. R. (Participant)
24 Aug 2015 → 4 Sep 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Materials for Energy Storage – and how DFT can improve them
Vegge, T. (Invited speaker)
Activity: Talks and presentations › Conference presentations

SUNCAT Summer Institute 2015
Christensen, R. (Participant)
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

SUNCAT Summer Institute 2015
Loftager, S. (Participant)
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

SUNCAT Summer Institute 2015
Reda, M. (Participant)
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Improved Accuracy of Density Functional Theory Calculations for CO2 Reduction and Metal-Air Batteries
Christensen, R. (Lecturer)
19 Aug 2015
Activity: Talks and presentations › Conference presentations

Brown University
Christensen, R. (Visiting researcher)
Activity: Visiting an external institution › Visiting another research institution

Brown University
Christensen, R. (Visiting researcher)
16 Aug 2015 → 23 Aug 2015
Activity: Visiting an external institution › Visiting another research institution
The Danish SOC Landscape 2015
Hagen, A. (Invited speaker)
1 Aug 2015
Activity: Talks and presentations › Conference presentations

On the Challenge of Stabilizing Contacts in Bi-Te Thermoelectric Generator under thermal cycling
Van Nong, N. (Invited speaker)
24 Jun 2015 → 26 Jun 2015
Activity: Talks and presentations › Conference presentations

Atomic-scale modeling of materials for hydrogen-based energy storage
Vegge, T. (Invited speaker)
22 Jun 2015 → 26 Jun 2015
Activity: Talks and presentations › Conference presentations

Towards a Fossil-Free Energy System: How Possible to Achieve?
Linderoth, S. (Invited speaker)
29 May 2015
Activity: Talks and presentations › Conference presentations

Rare earth-transitional metal oxides and compounds for environment-friendly energy science and technology
Linderoth, S. (Invited speaker)
26 May 2015
Activity: Talks and presentations › Conference presentations

Rare earth-transitional metal oxides and compounds for environment-friendly energy science and technology
Bahl, C. (Invited speaker)
26 May 2015
Activity: Talks and presentations › Conference presentations

Status and Results of Energy Supply Modelling in CITIES: Illustrated using Data from the Case of Sønderborg
Sveinbjörnsson, D. Þ. (Lecturer)
26 May 2015
Activity: Talks and presentations › Conference presentations

227th ECS Meeting
Christensen, R. (Speaker)
Activity: Talks and presentations › Conference presentations

Vedvarende energi: Ny teknologi, der ændrer vores hverdag
Hauch, A. (Lecturer)
20 May 2015
Activity: Talks and presentations › Conference presentations

PhD defense (member of evaluation committee): Edith Ahlberg Helgee, "Significance of grain boundaries for transport phenomena in graphene and proton-conducting barium zirconate" at Chalmers University of Technology, Sweden
(External organisation)
Vegge, T. (External examiner)
8 May 2015
Activity: Examinations and supervision › External examination

Brændselceller og elektrolyse: En del af løsningen for fremtidens energiudfordringer
Hagen, A. (Invited speaker)
Apr 2015
Activity: Talks and presentations › Conference presentations
Workshop on Advancing Caloric Materials for Efficient Cooling
Bahl, C. (Invited speaker)
29 Apr 2015
Activity: Talks and presentations › Conference presentations

Novel electrodes for efficient and durable electrolysis and fuel cells
Holtappels, P. (Invited speaker)
28 Apr 2015 → 29 Apr 2015
Activity: Talks and presentations › Conference presentations

3rd Conference on Frontiers of Aberration Corrected Electron Microscopy
Gualandris, F. (Speaker)
19 Apr 2015 → 23 Apr 2015
Activity: Talks and presentations › Conference presentations

Manufacturing of Green Fuels from Renewable Energy
Bhowmik, A. (Speaker)
16 Apr 2015
Activity: Talks and presentations › Conference presentations

High Temperature Alkaline Electrolysis - Progress and Potential
Chatzichristodoulou, C. (Invited speaker)
15 Apr 2015
Activity: Talks and presentations › Conference presentations

Integration of improved correction schemes and operational conditions in the design of nanoalloy catalysts for CO2 reduction
Vegge, T. (Invited speaker)
14 Apr 2015 → 16 Apr 2015
Activity: Talks and presentations › Conference presentations

Manufacturing of Green Fuels from Renewable Energy
Christensen, R. (Speaker)
14 Apr 2015 → 16 Apr 2015
Activity: Talks and presentations › Conference presentations

MRS Spring Meeting
Li, Q. (Invited speaker)
6 Apr 2015 → 10 Apr 2015
Activity: Talks and presentations › Conference presentations

Design of borohydrides and novel materials for ammonia storage
Vegge, T. (Invited speaker)
18 Mar 2015
Activity: Talks and presentations › Conference presentations

American Physical Society March Meeting 2015
Engelbrecht, K. (Participant)
3 Mar 2015
Activity: Attending an event › Participating in or organising a conference
Asilomar 2015
Li, Q. (Invited speaker)
10 Feb 2015
Activity: Talks and presentations › Conference presentations

Energikonvertering - Brændselsceller og brint: Vedvarende Energ
Hauch, A. (Lecturer)
10 Feb 2015
Activity: Talks and presentations › Conference presentations

SUNCAT Center for Interface Science and Catalysis
Christensen, R. (Visiting researcher)
8 Feb 2015 → 1 Mar 2015
Activity: Visiting an external institution › Visiting another research institution

Material & Struktur – Entscheidende Kombination für Hochtemperaturbrennstoff- und Elektrolysezellen
Hagen, A. (Invited speaker)
27 Jan 2015
Activity: Talks and presentations › Conference presentations

39th International Conference and Expo on Advanced Ceramics and Composites
Esposito, V. (Organizer)
25 Jan 2015 → 30 Jan 2015
Activity: Attending an event › Participating in or organising a conference

Materials Predictors and Genetic Algorithms for Rational Design of Electrocatalytic Nanoparticles
Vegge, T. (Invited speaker)
7 Jan 2015 → 11 Jan 2015
Activity: Talks and presentations › Conference presentations

6th IIR/IIF International Conference on Magnetic Refrigeration
Neves Bez, H. (Participant)
2014
Activity: Attending an event › Participating in or organising a conference

Angewandte Chemie (International Edition) (Journal)
Vegge, T. (Reviewer)
2014
Activity: Research › Peer review of manuscripts

Applied Catalysis A-general (Journal)
Hagen, A. (Reviewer)
2014
Activity: Research › Peer review of manuscripts

Årsmøde 2014 i Dansk Batteriselskab
Højberg, J. (Organizer)
2014 → …
Activity: Attending an event › Participating in or organising a conference

Chemical Review (Journal)
Vegge, T. (Reviewer)
2014
Activity: Research › Peer review of manuscripts
Fuel Cells (Journal)
Vegge, T. (Reviewer)
2014
Activity: Research › Peer review of manuscripts

HyFC Academy PhD Workshop on Catalysts for Fuel Cells and Electrolysers
Mugabi, J. A. (Participant)
2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Journal of Chemical Physics (Journal)
Vegge, T. (Reviewer)
2014
Activity: Research › Peer review of manuscripts

Nature Chemistry (Journal)
Vegge, T. (Reviewer)
2014
Activity: Research › Peer review of manuscripts

Nature Materials (Journal)
Vegge, T. (Reviewer)
2014
Activity: Research › Peer review of manuscripts

Optical antennas, optical cavity and photonic crystals to enhance the performance of organic solar cells
Pastorelli, F. (Speaker)
2014
Activity: Talks and presentations › Conference presentations

QuantumHagen
Christensen, R. (Participant)
2014 → ...
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Referee for Netherlands Organisation for Scientific Research (NWO) - Chemical Sciences (External organisation)
Vegge, T. (Member)
2014
Activity: Membership › Membership in review committee

Referee for US Department of Energy (DoE), Energy Frontiers Research Centers (EFRC) (External organisation)
Vegge, T. (Member)
2014
Activity: Membership › Membership in review committee

ReLiable Workshop III
Christensen, R. (Participant)
2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Semitransparent Organic Solar Cell toward Opaque Performances
Pastorelli, F. (Speaker)
2014 → ...
Activity: Talks and presentations › Conference presentations
The Journal of Physical Chemistry Part C: Nanomaterials, Interfaces and Hard Matter (Journal)
Vegge, T. (Reviewer)
2014
Activity: Research › Peer review of manuscripts

Elchemea Data Acquisition: Software til impedansspektroskopi, cyklisk voltametri samt chronopotentiometri/amperometri
Koch, S. (Participant)
Dec 2014
Activity: Other

Scalable Roll-to-Roll Fabrication for Fully Solution-Processed Polymer Solar Cells from Small-Scale Test Devices to Multi Square Meter Large Modules for Energy Production
Hösel, M. (Speaker)
3 Dec 2014
Activity: Talks and presentations › Conference presentations

International Carisma Conference
Jensen, J. O. (Speaker)
1 Dec 2014 → 3 Dec 2014
Activity: Talks and presentations › Conference presentations

2014 MRS Fall Meeting & Exhibit
Ovtar, S. (Participant)
30 Nov 2014 → 5 Dec 2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Conference on Energy and Environment for the Future
Pedersen, E. B. L. (Speaker)
24 Nov 2014 → 25 Nov 2014
Activity: Talks and presentations › Conference presentations

Conference on Energy and Environment for the Future
Jensen, J. O. (Speaker)
24 Nov 2014 → 25 Nov 2014
Activity: Talks and presentations › Conference presentations

Børnenes Universitet 2014
Hagen, A. (Organizer)
22 Nov 2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Andet symposium hos Institut for Energikonvertering- og lagring
Loftager, S. (Participant)
21 Nov 2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Positron Annihilation Spectroscopy on LiBH4 and LiBH4:Li1 superionic lithium conductors
Eldrup, M. M. (Lecturer)
13 Nov 2014
Activity: Talks and presentations › Conference presentations

Overpotentials and Transport Mechanisms in Metal-air Batteries
Vegge, T. (Invited speaker)
12 Nov 2014
Activity: Talks and presentations › Conference presentations
Symposium on Nanoscale Thermal Transport
Nielsen, K. K. (Participant)
10 Nov 2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

High temperature electrolysis activities at Technical University of Denmark
Ebbesen, S. D. (Invited speaker)
7 Nov 2014
Activity: Talks and presentations › Conference presentations

The Needs for Storage/Flexibility in the Danish Energy System: Drivers, application areas and requirements
Pedersen, A. S. (Lecturer)
5 Nov 2014
Activity: Talks and presentations › Conference presentations

Metal-air Batteries: Fundamental Mechanisms and Limitations
Vegge, T. (Invited speaker)
4 Nov 2014 → 6 Nov 2014
Activity: Talks and presentations › Conference presentations

Optimization model for transportation fuels and SNG production from renewable sources in Denmark: Master Thesis
Alessia Elia
Pedersen, A. S. (Supervisor)
1 Nov 2014 → 1 Jul 2015
Activity: Examinations and supervision › Supervisor activities

Magnetic Materials and Applications seminar
Bahl, C. (Participant)
28 Oct 2014 → Dec 2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

International Conference on X-Ray Microscopy
Pedersen, E. B. L. (Speaker)
26 Oct 2014 → 31 Oct 2014
Activity: Talks and presentations › Conference presentations

Solid oxide cells: Smart electrochemical devices for the smart energy systems of the future
Hagen, A. (Invited speaker)
22 Oct 2014
Activity: Talks and presentations › Conference presentations

Esposito, V. (Invited speaker)
14 Oct 2014
Activity: Talks and presentations › Conference presentations

The Focused Ion Beam – Scanning Electron Microscope: A tool for sample preparation, two and three dimensional imaging
Bowen, J. R. (Guest lecturer)
13 Oct 2014
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

ISOS-7
Corazza, M. (Speaker)
7 Oct 2014
Activity: Talks and presentations › Conference presentations

A Stability Study of Alkali Doped PBI Membranes for Alkaline Electrolyzer Cells
Jensen, J. O. (Invited speaker)
5 Oct 2014 → 10 Oct 2014
Activity: Talks and presentations › Conference presentations

HIGH TEMPERATURE ALKALINE ELECTROLYSIS
Chatzichristodoulou, C. (Lecturer)
2 Oct 2014
Activity: Talks and presentations › Conference presentations

Er der vedvarende energi nok til os alle?: Om brændselceller og electrolyseceller til effektiv energikonvertering
Hauch, A. (Lecturer)
26 Sep 2014
Activity: Talks and presentations › Conference presentations

Atomic-scale modeling in fuel cell, electrolyser and battery research; Transport modeling in batteries - ionic and electronic transport; Beyond Li-ion - resource-efficient batteries
Vegge, T. (Invited speaker)
22 Sep 2014 → 26 Sep 2014
Activity: Talks and presentations › Conference presentations

Massive scale production and installation of flexible printed solar cells
Hösel, M. (Speaker)
19 Sep 2014
Activity: Talks and presentations › Conference presentations

Solid State Protonic Conductors - 17
Jensen, J. O. (Invited speaker)
14 Sep 2014 → 19 Sep 2014
Activity: Talks and presentations › Conference presentations

18th International Microscopy Congress
Bowen, J. R. (Speaker)
10 Sep 2014
Activity: Talks and presentations › Conference presentations

Future Challenges for Room Temperature AMR Devices
Engelbrecht, K. (Keynote speaker)
10 Sep 2014
Activity: Talks and presentations › Conference presentations

Design and Initial Testing of a Compact and Efficient Rotary AMR Prototype
Eriksen, D. (Speaker)
8 Sep 2014
Activity: Talks and presentations › Conference presentations

6th IIR/IIF International Conference on Magnetic Refrigeration
Bahl, C. (Participant)
7 Sep 2014 → 10 Sep 2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

International Summer School on OPV
Corazza, M. (Speaker)
4 Sep 2014
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

**DTU Energy Conversion 2nd International PhD Summer School**
Bowen, J. R. (Participant)
29 Aug 2014
Activity: Other

**DTU Energy Conversion 2nd International PhD Summer School**
Jespersen, K. M. (Participant)
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

**DTU Energy Conversion 2nd International PhD Summer School**
Bentzen, J. J. (Participant)
24 Aug 2014 → 29 Aug 2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

**International Conference on SINTERING 2014**
Teocoli, F. (Participant)
Activity: Attending an event › Participating in or organising a conference

**Magnetocaloric Cooling and Heating**
Linderoth, S. (Lecturer)
22 Aug 2014
Activity: Talks and presentations › Conference presentations

**Academic research in higher education**
Ngo, D. (Invited speaker)
20 Aug 2014
Activity: Talks and presentations › Conference presentations

**5th International Conference on Ceramics**
Linderoth, S. (Keynote speaker)
18 Aug 2014 → 22 Aug 2014
Activity: Talks and presentations › Conference presentations

**2014 CAMD Summer School on Electronic Structure Theory and Materials Design**
Christensen, R. (Participant)
17 Aug 2014 → 23 Aug 2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

**Electrochemical Energy Storage and Electrofuels**
Vegge, T. (Invited speaker)
17 Aug 2014 → 23 Aug 2014
Activity: Talks and presentations › Conference presentations

**14th International Symposium on Metal-Hydrogen Systems: Fundamentals and Applications**
Blanchard, D. (Participant)
22 Jul 2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

**Board Committee Member of The International Academy of Electrochemical Energy Science (External organisation)**
Li, Q. (Participant)
14 Jul 2014 → 14 Jul 2017
13th International Conference Inorganic Membranes
Cheng, S. (Speaker)
8 Jul 2014
Activity: Talks and presentations › Conference presentations

Overview of SOFC/SOEC development at DTU Energy Conversion
Hagen, A. (Lecturer)
2 Jul 2014
Activity: Talks and presentations › Conference presentations

Designing Nanoparticle Electrocatalysts for Sustainable Production of Synthetic Fuels
Vegge, T. (Invited speaker)
1 Jul 2014 → 3 Jul 2014
Activity: Talks and presentations › Conference presentations

European fuel cell 2014 - 11th European SOFC and SOE Forum 2014
Charlas, B. (Participant)
1 Jul 2014 → 4 Jul 2014
Activity: Attending an event › Participating in or organising a conference

European fuel cell 2014 - 11th European SOFC and SOE Forum 2014
Hauch, A. (Speaker)
1 Jul 2014 → 4 Jul 2014
Activity: Talks and presentations › Conference presentations

QuantumWise Workshop
Loftager, S. (Participant)
1 Jul 2014 → 3 Jul 2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Van Nong, N. (Chairman)
Jun 2014
Activity: Attending an event › Participating in or organising a conference

IUMRS-ICEM 2014
Van Nong, N. (Invited speaker)
Jun 2014
Activity: Talks and presentations › Conference presentations

International Conference on Synthetic Metal
Pedersen, E. B. L. (Speaker)
30 Jun 2014 → 5 Jul 2014
Activity: Talks and presentations › Conference presentations

In situ and operando X-ray absorption spectroscopy on SOFC materials and cells
Hagen, A. (Lecturer)
27 Jun 2014
Activity: Talks and presentations › Conference presentations

ASME 2014 12th Biennial Conference on Engineering Systems Design and Analysis
Engelbrecht, K. (Organizer)
25 Jun 2014 → 27 Jun 2014
Activity: Attending an event › Participating in or organising a conference
Computational Search for Improved Ammonia Storage Materials
Jensen, P. B. (Lecturer)
19 Jun 2014
Activity: Talks and presentations › Conference presentations

CIMTEC 2014
Blanchard, D. (Speaker)
18 Jun 2014
Activity: Talks and presentations › Conference presentations

Materials Predictors and Genetic Algorithms for Rational Design of Electrocatalytic Nanoclusters
Vegge, T. (Invited speaker)
16 Jun 2014 → 21 Jun 2014
Activity: Talks and presentations › Conference presentations

20th World Hydrogen Energy Conference 2014
Jensen, J. O. (Speaker)
15 Jun 2014 → 20 Jun 2014
Activity: Talks and presentations › Conference presentations

Danscatt Annual Meeting 2014
Pedersen, E. B. L. (Speaker)
22 May 2014 → 23 May 2014
Activity: Talks and presentations › Conference presentations

Designing New Materials for Ammonia Storage Using Density Functional Theory and Genetic Algorithms
Jensen, P. B. (Lecturer)
14 May 2014
Activity: Talks and presentations › Conference presentations

QENS 2014 / WINS 2014
Blanchard, D. (Speaker)
13 May 2014
Activity: Talks and presentations › Conference presentations

Will organic photovoltaic technology render benefits in a near future of a 30 years horizon?
Espinosa Martinez, N. (Lecturer)
12 May 2014
Activity: Talks and presentations › Conference presentations

Brændselceller og elektrolyse: En del af løsningen for fremtidens energiudfordringer
Hagen, A. (Invited speaker)
Apr 2014
Activity: Talks and presentations › Conference presentations

Forskningens Døgn 2014
Hagen, A. (Organizer)
Apr 2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Infinitely Large Organic Solar Cell Modules: At The Edge Of Traditional Territories For Power Supply
Espinosa Martinez, N. (Invited speaker)
16 Apr 2014
Activity: Talks and presentations › Conference presentations
Fully printed multi square meter large organic solar cell modules for real energy production
Hösel, M. (Speaker)
15 Apr 2014
Activity: Talks and presentations › Conference presentations

Outdoor Operational Stability of Indium-free Polymer Solar Cell Modules Investigated over 1 year
Angmo, D. (Speaker)
15 Apr 2014
Activity: Talks and presentations › Conference presentations

IRENA Workshop - The Transformative Power of Storage: Developing IRENA’s Electricity Storage Roadmap
Pedersen, A. S. (Lecturer)
27 Mar 2014
Activity: Talks and presentations › Conference presentations

What is a solar cell
Corazza, M. (Lecturer)
27 Mar 2014
Activity: Talks and presentations › Conference presentations

Department of Energy Conversion and Storage-Solid Oxide Fuel and Electrolysis Cells
Hagen, A. (Invited speaker)
12 Mar 2014
Activity: Talks and presentations › Conference presentations

Dansk energisystem uden fossile brændsler – er det muligt?
Linderoth, S. (Speaker)
6 Mar 2014
Activity: Talks and presentations › Conference presentations

Computational of Nanoparticle Catalysts for Sustainable Production of Synthetic Fuels
Vegge, T. (Invited speaker)
16 Feb 2014 → 21 Feb 2014
Activity: Talks and presentations › Conference presentations

High resolution ptychographic tomography of soft matter
Andreasen, J. W. (Invited speaker)
30 Jan 2014
Activity: Talks and presentations › Conference presentations

Mechanical Properties of Ceramics and Glass
Teocoli, F. (Participant)
30 Jan 2014 → 31 Jan 2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

38th International Conference and Expo on Advanced Ceramics and Composites
Esposito, V. (Organizer)
26 Jan 2014 → 31 Jan 2014
Activity: Attending an event › Participating in or organising a conference

Thermo-mechanical properties of SOFC components investigated by a combined method
Teocoli, F. (Speaker)
26 Jan 2014
Activity: Talks and presentations › Conference presentations
Eurotech participants meeting
Corazza, M. (Speaker)
23 Jan 2014
Activity: Talks and presentations › Conference presentations

Chemical Vapour Deposition: CVD of Tantalum
Mugabi, J. A. (Other)
2013
Activity: Talks and presentations › Conference presentations

Delft Days on Magnetocalorics (2013)
Neves Bez, H. (Participant)
2013
Activity: Attending an event › Participating in or organising a conference

Elchemea Analytical: Software til impedans-analyse
Koch, S. (Participant)
2013
Activity: Other

Light trapping with plasmonic oligomers and photonic crystals to enhance the performance of organic solar cells devices
Pastorelli, F. (Speaker)
2013 → …
Activity: Talks and presentations › Conference presentations

Plasmonic Oligomers studies to Enhance the Performance of Organic Solar Cells devices
Pastorelli, F. (Speaker)
2013 → …
Activity: Talks and presentations › Conference presentations

Topical meeting on "Dispersion and interface chemistry" in the Danish Ceramic Society
Della Negra, M. (Invited speaker)
18 Dec 2013
Activity: Talks and presentations › Conference presentations

Microstructure characterisation of solid oxide electrolysis cells operated at high current density
Bowen, J. R. (Invited speaker)
6 Dec 2013
Activity: Talks and presentations › Conference presentations

Combined computational and experimental study of the role of CO2 poisoning on the electronic conduction and overpotentials in Li-air batteries
Vegge, T. (Invited speaker)
4 Dec 2013 → 5 Dec 2013
Activity: Talks and presentations › Conference presentations

Electrospin our Energy Devices
Zhang, W. (. (Invited speaker)
3 Dec 2013
Activity: Talks and presentations › Conference presentations

Shaping our Energy Future with Electrospinning
Zhang, W. (. (Invited speaker)
2 Dec 2013
Activity: Talks and presentations › Conference presentations
the 10th International Symposium on Novel Carbon Resource Sciences  
Van Nong, N. (Lecturer)  
2 Dec 2013  
Activity: Talks and presentations › Conference presentations

2013 MRS Fall Meeting & Exhibit  
Le, T. H. (Participant)  
1 Dec 2013 → 6 Dec 2013  
Activity: Attending an event › Participating in or organising a conference

Design of Experiment  
Teocoli, F. (Participant)  
26 Nov 2013 → 27 Nov 2013  
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

3-Dimensional Nanofiber Electrodes for Solid Oxide Fuel Cells and Proton Exchange Membrane Fuel Cells  
Zhang, W. (Lecture)  
25 Nov 2013  
Activity: Talks and presentations › Conference presentations

Sustainable Fuels from Renewable Energies  
Mogensen, M. B. (Invited speaker)  
20 Nov 2013  
Activity: Talks and presentations › Conference presentations

Electrochemical Energy Storage - Batteries  
Vegge, T. (Invited speaker)  
14 Nov 2013  
Activity: Talks and presentations › Conference presentations

ENHANCED MASS DIFFUSION PHENOMENA IN HIGHLY DEFECTIVE DOPED CERIA: LIMITS AND APPLICATIONS: Ionic and Electronic Conductors and Applications to Solid Oxide Fuel Cells and Membrane Technology  
Esposito, V. (Invited speaker)  
13 Nov 2013  
Activity: Talks and presentations › Conference presentations

DTU Energy Conversion PhD symposium 2013  
Le, T. H. (Participant)  
8 Nov 2013  
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Første symposium hos Institut for Energikonvertering- og lagring  
Loftager, S. (Participant)  
8 Nov 2013  
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Van Nong, N. (Invited speaker)  
3 Nov 2013 → 6 Nov 2013  
Activity: Talks and presentations › Conference presentations

Delft Days on Magnetocalorics (2013)  
von Moos, L. (Participant)  
28 Oct 2013 → 29 Oct 2013  
Activity: Attending an event › Participating in or organising a conference
Calculational and experimental study of the role of CO2 poisoning on the electronic conduction and overpotentials in Li-air batteries
Vegge, T. (Speaker)
27 Oct 2013 → 31 Oct 2013
Activity: Talks and presentations › Conference presentations

Design and optimisation of permanent magnet systems for magnetic refrigeration
Bahl, C. (Lecturer)
25 Oct 2013
Activity: Talks and presentations › Conference presentations

13th International Symposium on Solid Oxide Fuel Cells (SOFC-XIII)
Hauch, A. (Participant)
6 Oct 2013 → 11 Oct 2013
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

The Danish Energy Agreement and Solid Oxide Cells
Hagen, A. (Lecturer)
6 Oct 2013
Activity: Talks and presentations › Conference presentations

Smart Energy Conversion and Storage Conference
Mogensen, M. B. (Invited speaker)
2 Oct 2013
Activity: Talks and presentations › Conference presentations

Talk on magnetocaloric research
von Moos, L. (Speaker)
30 Sep 2013
Activity: Talks and presentations › Conference presentations

Computational screening of mixed metal halide ammnes
Jensen, P. B. (Lecturer)
17 Sep 2013
Activity: Talks and presentations › Conference presentations

From magnetocaloric materials to magnetic refrigeration devices
Bahl, C. (Invited speaker)
10 Sep 2013
Activity: Talks and presentations › Conference presentations

Electrochemical reduction of CO2 and H2O into fuels: Cell types and kinetic barriers
Mogensen, M. B. (Keynote speaker)
9 Sep 2013
Activity: Talks and presentations › Conference presentations

Functional dependent errors in DFT calculations for Li-air batteries
Christensen, R. (Speaker)
9 Sep 2013
Activity: Talks and presentations › Conference presentations

Materials Predictors and Genetic Algorithms for Design of Nanoparticle Activity and Stability
Vegge, T. (Invited speaker)
3 Sep 2013 → 7 Sep 2013
Activity: Talks and presentations › Conference presentations
1st International PhD Summer School
Bowen, J. R. (Lecturer)
28 Aug 2013
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

1st Workshop in Prof. John Irvine’s EPSRC Platform project
Mogensen, M. B. (Invited speaker)
28 Aug 2013
Activity: Talks and presentations › Conference presentations

1st International PhD Summer School
Teocoli, F. (Participant)
26 Aug 2013 → 31 Aug 2013
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

1st PhD summer school
Le, T. H. (Participant)
26 Aug 2013 → 30 Aug 2013
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

The challenges in going from magnetocaloric materials to magnetic refrigeration devices
Bahl, C. (Invited speaker)
29 Jul 2013
Activity: Talks and presentations › Conference presentations

Eurotech participants meeting
Corazza, M. (Speaker)
17 Jul 2013
Activity: Talks and presentations › Conference presentations

Solid Oxide Fuel Cell Promise, Progress, and Priorities Workshop
Mogensen, M. B. (Invited speaker)
11 Jul 2013
Activity: Talks and presentations › Conference presentations

32nd International Conference on Thermoelectrics
Le, T. H. (Participant)
30 Jun 2013 → 4 Jul 2013
Activity: Attending an event › Participating in or organising a conference

Materials for energy storage – screening and evolution
Vegge, T. (Invited speaker)
25 Jun 2013 → 30 Jun 2013
Activity: Talks and presentations › Conference presentations

Computational screening and design of energy materials – navigating vast phase spaces
Vegge, T. (Invited speaker)
24 Jun 2013 → 28 Jun 2013
Activity: Talks and presentations › Conference presentations

Arthur S. Nowick Memorial Symposium
Mogensen, M. B. (Invited speaker)
7 Jun 2013
Activity: Talks and presentations › Conference presentations
Reversible solid oxide cells: limitations and possibilities
Mogensen, M. B. (Invited speaker)
4 Jun 2013
Activity: Talks and presentations › Conference presentations

10th Pacific Rim Conference on Ceramic and Glass Technology
Teocoli, F. (Participant)
2 Jun 2013 → 7 Jun 2013
Activity: Attending an event › Participating in or organising a conference

Sintering of Ceramics
Teocoli, F. (Participant)
1 Jun 2013 → 2 Jun 2013
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Inorganic Chemistry (Journal)
Van Nong, N. (Reviewer)
May 2013
Activity: Research › Peer review of manuscripts

Sustainable fuels from renewable energy
Mogensen, M. B. (Lecturer)
22 May 2013
Activity: Talks and presentations › Conference presentations

Seminar Activity in Politecnico di Torino
Mogensen, M. B. (Invited speaker)
21 May 2013
Activity: Talks and presentations › Conference presentations

9th International Symposium on Hysteresis Modelling and Micromagnetics
von Moos, L. (Speaker)
13 May 2013 → 15 May 2013
Activity: Talks and presentations › Conference presentations

Journal of Alloys and Compounds (Journal)
Van Nong, N. (Reviewer)
Apr 2013
Activity: Research › Peer review of manuscripts

Materials Research Bulletin (Journal)
Van Nong, N. (Reviewer)
Apr 2013
Activity: Research › Peer review of manuscripts

International Energy Agency
Blanchard, D. (Speaker)
21 Apr 2013 → 25 Apr 2013
Activity: Talks and presentations › Conference presentations

The 5th Fundamentals and Developments of Fuel Cells Conference 2013
Mogensen, M. B. (Invited speaker)
17 Apr 2013
Activity: Talks and presentations › Conference presentations
Identifying Ways to Improve the Efficiency of Magnetocaloric Devices
Bahl, C. (Organizer)
15 Apr 2013 → 19 Apr 2013
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Identifying Ways to Increase the Efficiency of Magnetocaloric Devices
von Moos, L. (Speaker)
15 Apr 2013 → 19 Apr 2013
Activity: Talks and presentations › Conference presentations

Using biofuels for SOFC
Hagen, A. (Invited speaker)
13 Apr 2013
Activity: Talks and presentations › Conference presentations

Electrolysis and CO2-Recycling for Production of Green Fuels
Linderoth, S. (Lecturer)
9 Apr 2013
Activity: Talks and presentations › Conference presentations

Workshop on Electrolysis and CO2-Recycling for Production of Green Fuels
Mogensen, M. B. (Organizer)
9 Apr 2013 → 11 Apr 2013
Activity: Attending an event › Participating in or organising a conference

Workshop on Electrolysis and CO2-Recycling for Production of Green Fuels
Mogensen, M. B. (Speaker)
9 Apr 2013
Activity: Talks and presentations › Conference presentations

Computational screening of mixed metal halide ammines
Jensen, P. B. (Lecturer)
8 Apr 2013
Activity: Talks and presentations › Conference presentations

Collaboration between DTU and Topsoe Fuel Call
Linderoth, S. (Lecturer)
20 Mar 2013
Activity: Talks and presentations › Conference presentations

Renewable Energy Technologies: Possible Collaboration Between Denmark and Japan
Linderoth, S. (Speaker)
9 Mar 2013
Activity: Talks and presentations › Conference presentations

Electronic Materials Letters (Journal)
Van Nong, N. (Reviewer)
Feb 2013
Activity: Research › Peer review of manuscripts

Department of Energy Conversion and Storage
Linderoth, S. (Lecturer)
26 Feb 2013
Activity: Talks and presentations › Conference presentations
3rd Magnetism National Conference
von Moos, L. (Participant)
20 Feb 2013 → 22 Feb 2013
Activity: Attending an event › Participating in or organising a conference

Nanostructured materials for solid-state hydrogen storage – WG4: Computational modeling
Vegge, T. (Invited speaker)
25 Jan 2013
Activity: Talks and presentations › Conference presentations

The Importance of Nano Science in Energy Technologies
Linderoth, S. (Lecturer)
22 Jan 2013 → 23 Jan 2013
Activity: Talks and presentations › Conference presentations

PALSfit; website: palsfit.dk: A computer code for analysing positron annihilation lifetime spectra.
Eldrup, M. M. (Participant)
1 Jan 2013 → …
Activity: Other

Advanced Materials (Journal)
Van Nong, N. (Reviewer)
2012
Activity: Research › Peer review of manuscripts

American Physical Society (External organisation)
Ngo, D. (Participant)
2012 → …
Activity: Membership › Membership of research networks or expert groups

Applied Physics Letters (Journal)
Ngo, D. (Reviewer)
2012 → 2014
Activity: Research › Peer review of manuscripts

PhD thesis Alfred Samson: Censor
Hagen, A. (External examiner)
2012
Activity: Examinations and supervision › External examination

Self assembled dimers of metallic nano-particles for enhanced light harvesting in organic solar cells
Pastorelli, F. (Speaker)
2012 → …
Activity: Talks and presentations › Conference presentations

Strategy Group (External organisation)
Hagen, A. (Participant)
2012 → 2015
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar
Ergebnisse aus Langzeittests von Einzelzellen
Hagen, A. (Lecturer)
Dec 2012
Activity: Talks and presentations › Conference presentations

Design, Modeling and Optimization of Thermoelectrical Power Generation Devices
Pryds, N. (External examiner)
10 Dec 2012
Activity: Examinations and supervision › External examination

Nordic Conference on Ceramic and Glass Technology
Teocoli, F. (Participant)
6 Dec 2012 → 7 Dec 2012
Activity: Attending an event › Participating in or organising a conference

Computational Screening of Mixed Metal Halide Ammines
Jensen, P. B. (Lecturer)
4 Dec 2012
Activity: Talks and presentations › Conference presentations

6th International Workshop on Advanced Materials Science and Nanotechnology
Van Nong, N. (Keynote speaker)
Nov 2012
Activity: Talks and presentations › Conference presentations

Degradation of state-of-the-art SOFC in hydrogen and carbon containing fuels
Hagen, A. (Invited speaker)
Nov 2012
Activity: Talks and presentations › Conference presentations

2012 MRS Fall Meeting & Exhibit
Pryds, N. (Organizer)
25 Nov 2012 → 30 Nov 2012
Activity: Attending an event › Participating in or organising a conference

Electrolysis and biomass hand-in-hand
Linderoth, S. (Lecturer)
15 Nov 2012
Activity: Talks and presentations › Conference presentations

Oxides In Environment-friendly Technologies
Pryds, N. (Invited speaker)
3 Nov 2012
Activity: Talks and presentations › Conference presentations

Final SERC Technical-Scientific Meeting
Blennow Tullmar, P. (Speaker)
1 Nov 2012
Activity: Talks and presentations › Conference presentations

Ceramics International (Journal)
Van Nong, N. (Reviewer)
Oct 2012 → …
Activity: Research › Peer review of manuscripts
6th International Workshop on Advanced Materials Science and Nanotechnology
Le, T. H. (Speaker)
30 Oct 2012 → 2 Nov 2012
Activity: Talks and presentations › Conference presentations

6th International Workshop on Advanced Materials Science and Nanotechnology
Van Nong, N. (Speaker)
30 Oct 2012 → 2 Nov 2012
Activity: Talks and presentations › Conference presentations

6th International Workshop on Advanced Materials Science and Nanotechnology
Van Nong, N. (Speaker)
30 Oct 2012 → 2 Nov 2012
Activity: Talks and presentations › Conference presentations

6th International Workshop on Advanced Materials Science and Nanotechnology
Van Nong, N. (Invited speaker)
30 Oct 2012 → 2 Nov 2012
Activity: Talks and presentations › Conference presentations

Brændselceller og brint
Linderoth, S. (Lecturer)
24 Oct 2012
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Mixed Rare Earth-Fe-B sintered magnets
Bahl, C. (Lecturer)
24 Oct 2012
Activity: Talks and presentations › Conference presentations

International Symposium on Metal-Hydrogen Systems - Fundamentals and Applications -
Blanchard, D. (Participant)
Activity: Attending an event › Participating in or organising a conference

Metal Borohydrides for Hydrogen Storage: A Review
Blanchard, D. (Invited speaker)
21 Oct 2012
Activity: Talks and presentations › Conference presentations

Department of Energy Conversion and Storage
Linderoth, S. (Lecturer)
17 Oct 2012
Activity: Talks and presentations › Conference presentations

Solid oxide electrochemical cells – energy converters, gas separators, gas sensors
Mogensen, M. B. (Lecturer)
14 Oct 2012
Activity: Talks and presentations › Conference presentations

SERC Workshop
Linderoth, S. (Speaker)
8 Oct 2012
Activity: Talks and presentations › Conference presentations
Computational investigations of the electronic transport in lithium-air battery materials
Vegge, T. (Speaker)
7 Oct 2012 → 12 Oct 2012
Activity: Talks and presentations › Conference presentations

Istituto Nazionale di Ricerca Metrologica
von Moos, L. (Visiting researcher)
1 Oct 2012 → 17 Dec 2012
Activity: Visiting an external institution › Visiting another research institution

Journal of Electronic Materials (Journal)
Van Nong, N. (Reviewer)
Sep 2012 → …
Activity: Research › Peer review of manuscripts

Pure and Applied Chemistry (Journal)
Van Nong, N. (Reviewer)
Sep 2012 → …
Activity: Research › Peer review of manuscripts

Solid State Electrochemistry Applied to Solid Oxide Fuel and Electrolysis Cells
Hagen, A. (Invited speaker)
Sep 2012
Activity: Talks and presentations › Conference presentations

Alkaline Electrolysis Cells: Materials, Properties and Challenges
Mogensen, M. B. (Lecturer)
25 Sep 2012
Activity: Talks and presentations › Conference presentations

History of Thermodynamics of Electrolysis
Mogensen, M. B. (Lecturer)
25 Sep 2012
Activity: Talks and presentations › Conference presentations

5th IIF–IIR International Conference on Magnetic Refrigeration at Room Temperature
Bahl, C. (Speaker)
18 Sep 2012
Activity: Talks and presentations › Conference presentations

5th IIF–IIR International Conference on Magnetic Refrigeration at Room Temperature
Engelbrecht, K. (Speaker)
18 Sep 2012
Activity: Talks and presentations › Conference presentations

Development and Experimental Results from a 1kW Prototype AMR
Bahl, C. (Invited speaker)
18 Sep 2012
Activity: Talks and presentations › Conference presentations

5th IIF–IIR International Conference on Magnetic Refrigeration at Room Temperature
von Moos, L. (Speaker)
17 Sep 2012 → 20 Sep 2012
Activity: Talks and presentations › Conference presentations
ESS Science Symposium
Blanchard, D. (Participant)
17 Sep 2012 → 19 Sep 2012
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

3rd CARISMA International Conference on Medium and High Temperature Proton Exchange Membrane Fuel Cells
Linderoth, S. (Speaker)
3 Sep 2012
Activity: Talks and presentations › Conference presentations

Årsmøde 2013 i Dansk Batteriselskab
Højberg, J. (Organizer)
1 Sep 2012 → 1 Mar 2013
Activity: Attending an event › Participating in or organising a conference

SUNCAT Center for Interface Science and Catalysis
Vegge, T. (Visiting researcher)
1 Sep 2012 → 30 Nov 2012
Activity: Visiting an external institution › Visiting another research institution

Vacuum (Journal)
Van Nong, N. (Reviewer)
Aug 2012 → …
Activity: Communication › Peer review of manuscripts

Computational Design of Materials for Energy Storage
Vegge, T. (Invited speaker)
11 Aug 2012 → 17 Aug 2012
Activity: Talks and presentations › Conference presentations

Reversible Lithium-Air Batteries
Vegge, T. (Lecturer)
10 Aug 2012
Activity: Talks and presentations › Conference presentations

In situ XRPD studies of Li intercalation in graphite in working Li-ion batteries: Session: MS13 - Energy related materials
Johnsen, R. E. (Lecturer)
6 Aug 2012 → 11 Aug 2012
Activity: Talks and presentations › Conference presentations

A Materials Science Perspective on the Mechanics of Sintering
Bjørk, R. (Lecturer)
20 Jul 2012
Activity: Talks and presentations › Conference presentations

12th International Conference on Inorganic Membrane
Engelbrecht, K. (Speaker)
13 Jul 2012
Activity: Talks and presentations › Conference presentations

31st International & 10th European Conference on Thermoelectrics
Han, L. (Speaker)
11 Jul 2012
Activity: Talks and presentations › Conference presentations
31st International & 10th European Conference on Thermoelectrics
Le, T. H. (Participant)
9 Jul 2012
Activity: Attending an event › Participating in or organising a conference

Plasma Sheath Lenses - Principles and applications
Stamate, E. (Invited speaker)
2 Jul 2012 → 6 Jul 2012
Activity: Talks and presentations › Conference presentations

European Fuel Cell Forum 2012
Hauch, A. (Participant)
30 Jun 2012 → 3 Jul 2012
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

European Fuel Cell Forum 2012
Blennow Tullmar, P. (Speaker)
27 Jun 2012 → 29 Jun 2012
Activity: Talks and presentations › Conference presentations

Rotational and translational diffusion in materials for energy storage from QENS and DFT calculations
Vegge, T. (Invited speaker)
25 Jun 2012 → 29 Jun 2012
Activity: Talks and presentations › Conference presentations

Computational techniques for efficient design of nanoparticles and complex materials for energy storage
Vegge, T. (Lecturer)
13 Jun 2012 → 18 Jun 2012
Activity: Talks and presentations › Conference presentations

Development of SOEC Cells and Stacks: Highlights, Challenges and future Perspectives
Kiebach, W. (Keynote speaker)
5 Jun 2012
Activity: Talks and presentations › Conference presentations

Department of Energy Conversion and Storage
Linderoth, S. (Lecturer)
May 2012
Activity: Talks and presentations › Conference presentations

SOFC Durability under Realistic Operation
Hagen, A. (Lecturer)
May 2012
Activity: Talks and presentations › Conference presentations

SYMPOSIUM Water Electrolysis and Hydrogen as Part of the Future Renewable Energy System
Hagen, A. (Organizer)
May 2012
Activity: Attending an event › Participating in or organising a conference

Werkstofffragen der Hochtemperatur-Brennstoffzelle (SOFC): Risø/Topsoe SOFC Aktivitäten
Hagen, A. (Lecturer)
May 2012
Activity: Talks and presentations › Conference presentations
42nd Danish Crystallographic Meeting and 5th DanScatt Meeting
Johnsen, R. E. (Participant)
31 May 2012 → 1 Jun 2012
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

European Materials Research Society 2012
Han, L. (Participant)
30 May 2012
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Oxford Instruments EBSD Symposium
Bowen, J. R. (Speaker)
24 May 2012
Activity: Talks and presentations › Conference presentations

European Materials Research Society 2012
Le, T. H. (Participant)
14 May 2012
Activity: Attending an event › Participating in or organising a conference

SYMPOSIUM Water Electrolysis and Hydrogen as Part of the Future Renewable Energy System
Bowen, J. R. (Participant)
10 May 2012 → 11 May 2012
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Metal-supported Solid Oxide Fuel Cells: Next generation SOFCs?: Invited talk
Blennow Tullmar, P. (Speaker)
30 Mar 2012
Activity: Talks and presentations › Conference presentations

4th User Meeting at the FRM II
Blanchard, D. (Participant)
23 Mar 2012
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Reconstructions at complex oxide Interfaces
Pryds, N. (External examiner)
23 Mar 2012
Activity: Examinations and supervision › External examination

Tohoku University
Sveinbjörnsson, D. (Visiting researcher)
4 Mar 2012 → 24 Mar 2012
Activity: Visiting an external institution › Visiting another research institution

Nanostructured materials for solid-state hydrogen storage - MPNS COST Action MP1103
Jensen, P. B. (Participant)
13 Feb 2012 → 15 Feb 2012
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Nanostructured materials for solid-state hydrogen storage - MPNS COST Action MP1103
Blanchard, D. (Speaker)
13 Feb 2012 → 15 Feb 2012
Activity: Talks and presentations › Conference presentations
Thermoelectric Oxide Materials for Heat Recovery
Pryds, N. (Lecturer)
9 Feb 2012
Activity: Talks and presentations › Conference presentations

Durability of Solid Oxide Fuel Cells and Solid Oxide Electrolysis Cells: Status and Challenges
Hagen, A. (Invited speaker)
Jan 2012
Activity: Talks and presentations › Conference presentations

European Fuel Cell Forum (External organisation)
Hagen, A. (Participant)
Jan 2012 → Jun 2012
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Ph.D. defense Rahimullah Sarban: "Active control using DEAP transducers"
Sommer-Larsen, P. (External examiner)
30 Jan 2012
Activity: Examinations and supervision › External examination

Studienævnet DTU Energi (External organisation)
Hauch, A. (Chairman)
1 Jan 2012 → 31 Dec 2020
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Annual Meeting International Energy Agency (IEA) Annex 24 (Solid Oxide Fuel Cells) (External organisation)
Hagen, A. (Participant)
2011 → 2015
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

PhD Thesis Alfred Samson
Hagen, A. (Internal examiner)
2011 → Apr 2012
Activity: Examinations and supervision › Internal examination

Thin Solid Films (Journal)
Ngo, D. (Reviewer)
2011 → 2014
Activity: Research › Peer review of manuscripts

2nd International Workshop on Degradation Issues of Fuel Cells
Hagen, A. (Participant)
Sep 2011
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Assessing durability of SOFC stacks
Hagen, A. (Lecturer)
Sep 2011
Activity: Talks and presentations › Conference presentations

Journal of Alloys and Compounds (Journal)
Van Nong, N. (Reviewer)
Sep 2011 → …
Activity: Research › Journal editor
Proton conductivity – mechanisms and materials
Li, Q. (Lecturer)
16 Aug 2011 → 17 Aug 2011
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Troisième Cycle Seminar in Villars
Han, L. (Participant)
14 Aug 2011 → 18 Aug 2011
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Troisième Cycle Seminar in Villars
Le, T. H. (Participant)
14 Aug 2011 → 18 Aug 2011
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Durability and degradation of SOFCs – Where are we?
Hagen, A. (Lecturer)
May 2011
Activity: Talks and presentations › Conference presentations

University of New South Wales
Bowen, J. R. (Visiting researcher)
1 Mar 2011 → 31 May 2011
Activity: Visiting an external institution › Visiting another research institution

5th International Symposium Hydrogen & Energy
Blanchard, D. (Participant)
23 Jan 2011 → 28 Jan 2011
Activity: Attending an event › Participating in or organising a conference

European Association for Storage of Energy - EASE (External organisation)
Pedersen, A. S. (Participant)
1 Jan 2011 → 31 Dec 2017
Activity: Membership › Board duties in companies, associations, or public organisations

European Energy Research Alliance, Joint Programme on Energy Storage (External organisation)
Pedersen, A. S. (Participant)
1 Jan 2011 → 1 Jan 2018
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Heavy ions doping coupled with metallic nanoinclusions: An effective way to improve the thermoelectric performance of p-type layered cobalt oxide materials: 30th International Conference on Thermoelectrics-ICT2011
Van Nong, N. (Speaker)
1 Jan 2011 → …
Activity: Talks and presentations › Conference presentations

Recent Progress in Nanostructured Oxide TE Materials for Power Generation at High Temperatures: "Workshop on Advanced Materials Science and Nanotechnology"
Van Nong, N. (Speaker)
1 Jan 2011 → …
Activity: Talks and presentations › Conference presentations

Recent Progress in Nanostructured Thermoelectric Oxide Materials at Risø DTU: Workshop on Nanothermoelectrics
Van Nong, N. (Speaker)
1 Jan 2011 → …
Design and fabrication of broadband anti-reflection sub-wavelength periodic structure for solar cells
Pastorelli, F. (Speaker)
2010 → …
Activity: Talks and presentations › Conference presentations

Ngo, D. (Reviewer)
2010 → 2014
Activity: Research › Peer review of manuscripts

A New Active Magnetic Regeneration (AMR) Prototype
Engelbrecht, K. (Invited speaker)
16 Nov 2010
Activity: Talks and presentations › Conference presentations

Oxygen permeation and chemical reactivity of alkaline earth doped cobaltite perovskites for membrane applications: VII Brazilian Electroceramics Symposium
Esposito, V. (Invited speaker)
26 Oct 2010
Activity: Talks and presentations › Conference presentations

UDTU Education in University Teaching at DTU
Hauch, A. (Participant)
2 Aug 2010 → 30 Jul 2011
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

International Symposium on Metal-Hydrogen Systems
Blanchard, D. (Participant)
19 Jul 2010 → 23 Jul 2010
Activity: Attending an event › Participating in or organising a conference

Cimtec 2010
Lauritzen, H. (Speaker)
18 Jun 2010
Activity: Talks and presentations › Conference presentations

EERA Joint Programme on Energy Storage (External organisation)
Pedersen, A. S. (Participant)
1 Jan 2010
Activity: Membership › Membership of research networks or expert groups

Udstilling med plastsolceller
Damgaard Nielsen, T. (Speaker)
1 Jan 2009
Activity: Talks and presentations › Talks and presentations in private or public companies and organisations

Institute of Physics (External organisation)
Ngo, D. (Participant)
2008 → …
Activity: Membership › Membership of research networks or expert groups

DESIGN OF THE ELECTROCERAMICS FOR SOLID OXIDE FUEL CELL APPLICATIONS: PLAYING WITH CERIA: Nanotechnology: Controlled Processing of Nanoparticle Structures and Composites
Esposito, V. (Invited speaker)
7 Oct 2008
Activity: Talks and presentations › Conference presentations

**European Fuel Cell Forum (External organisation)**
Hagen, A. (Participant)
Dec 2007 → Jun 2008
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

**Influence of Sintering on Electrochemical Properties of Nanocrystalline Doped-Ceria: F5 - Nanostructured Metal Oxides: Processing and Applications**
Esposito, V. (Invited speaker)
2 Nov 2006
Activity: Talks and presentations › Conference presentations

### Prizes:

**4th International DHC+ Student Awards - 1st prize**
Dominik Franjo Dominkovic (Recipient), Mar 2016
Prize: Prizes, scholarships, distinctions

**August-Wilhelm Scheer Visiting Professorship@TUM**
Tejs Vegge (Recipient), 2016
Prize: Prizes, scholarships, distinctions

**Best Poster Award at the Sustain 2017**
Gisele Alves dos Reis Benatto (Recipient), Nicholas Riedel (Recipient), Claire Mantel (Recipient), Sune Thorsteinsson (Recipient), Peter Behrens dorff Poulsen (Recipient), Søren Forchhammer (Recipient), Kenn H. B. Frederiksen (Recipient), Jan Vedde (Recipient), Harsh Parikh (Recipient), Sergiu Spataru (Recipient) & Dezso Sera (Recipient), 6 Dec 2017
Prize: Prizes, scholarships, distinctions

**Elite-Forsk-rejsestipendium (EliteForsk travel grant)**
Dominik Franjo Dominkovic (Recipient), 23 Feb 2017
Prize: Prizes, scholarships, distinctions

**Ellen and Hans Hermers Award 2015**
Tejs Vegge (Recipient), 26 Jan 2015
Prize: Prizes, scholarships, distinctions

**Member of the Danish Academy of Technical Sciences (ATV)**
Tejs Vegge (Recipient), May 2014
Prize: Prizes, scholarships, distinctions

**PhD Supervisor the year 2017**
Tejs Vegge (Recipient), 27 Oct 2017
Prize: Prizes, scholarships, distinctions

**Third Price EFC17 Best Paper Awards**
Søren Højgaard Jensen (Recipient), Hendrik Langnickel (Recipient), Nils Hintzen (Recipient), Ming Chen (Recipient), Xiufu Sun (Recipient), Anne Hauch (Recipient), Giacomo Butera (Recipient) & Lasse Røngaard Clausen (Recipient), 13 Dec 2017
Prize: Prizes, scholarships, distinctions

### Press clippings:
Nyt batteri kan oplades på ét minut og give 800 km rækkevidde
Tejs Vegge
16/11/2017
1 media contribution
Press / Media

The Race to Build Better Batteries
Tejs Vegge
01/11/2017
1 media contribution
Press / Media

Sådan får du dit batteri til at holde længere
Tejs Vegge
24/10/2017
1 media contribution
Press / Media

Elektriske fly
Tejs Vegge
16/06/2017
1 media contribution
Press / Media

Rumforskning: Han skal sikre astronauter en returbillet fra Mars
Christopher R. Graves
17/05/2017
1 item of media coverage
Press / Media

Batterirevolutionen lader vente på sig
Tejs Vegge
03/05/2017
1 media contribution
Press / Media

Mercedes satser stort på produktion af højeffektive batterier
Tejs Vegge
27/04/2017
1 media contribution
Press / Media

Ny kem i batterier øger muligheden for at lagre grøn energi
Tejs Vegge
20/02/2017
1 media contribution
Press / Media

Derfor fryser din mobil sig selv ihjel i kulden
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