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Publications:

**Durable fuel electrode**  
Brodersen, K., Hauch, A., Chen, M. & Hjelm, J. 23 Feb 2017  
Publication: Research › Patent – Annual report year: 2017

**A Decade of Solid Oxide Electrolysis Improvements at DTU Energy**  
Publication: Research - peer-review › Conference article – Annual report year: 2017

**Development of Robust Metal-Supported SOFCs and Stack Components in EU METSAPP Consortium**  
Publication: Research - peer-review › Journal article – Annual report year: 2017

**Mechanical Properties of Supports and Half-Cells for Solid Oxide Electrolysis Influenced by Alumina-Zirconia Composites**  
Publication: Research - peer-review › Journal article – Annual report year: 2017

**Towards High Power Density Metal Supported Solid Oxide Fuel Cell for Mobile Applications**  
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

**Towards High Power Density Metal Supported Solid Oxide Fuel Cell for Mobile Applications**  
Nielsen, J., Persson, Å. H., Muhl, T. & Brodersen, K. 2017 In : ECS Transactions. 78, 1, p. 2029-2037  
Publication: Research - peer-review › Journal article – Annual report year: 2017

**Dual-role plasticizer and dispersant for ceramic layers**  
Foghmoes, S. P. V., Della Negra, M., Klemense, T. & Brodersen, K. 6 May 2016  
Publication: Research › Patent – Annual report year: 2016

**A Decade of Improvements for Solid Oxide Electrolysis Cells. Long-Term Degradation Rate from 40%/Kh to 0.4 % Kh**  
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2016

**Ni/YSZ electrodes structures optimized for increased electrolysis performance and durability**  
Publication: Research - peer-review › Journal article – Annual report year: 2016

**Novel ceramic processing method for substitution of toxic plasticizers**  
Publication: Research - peer-review › Journal article – Annual report year: 2016
Investigation of Novel Electrocatalysts for Metal Supported Solid Oxide Fuel Cells - Ru:GDC
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2015

Investigation of Novel Electrocatalysts for Metal Supported Solid Oxide Fuel Cells - Ru:GDC
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2015

Investigation of Novel Electrocatalysts for Metal Supported Solid Oxide Fuel Cells - Ru:GDC
Publication: Research - peer-review › Conference article – Annual report year: 2016

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

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

Development of a Novel Ceramic Support Layer for Planar Solid Oxide Cells
Publication: Research - peer-review › Journal article – Annual report year: 2014

Effects of co-sintering in self-standing CGO/YSZ and CGO/ScYSZ dense bi-layers
Publication: Research - peer-review › Journal article – Annual report year: 2014

Ni/YSZ microstructure optimization for long-term stability of solid oxide electrolysis cells
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Residual stresses in a co-sintered SOC half-cell during post-sintering cooling
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Shape distortion and thermo-mechanical properties of dense SOFC components from green tape to sintered body
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2014

Durable and Robust Solid Oxide Fuel Cells
Publication: Research › Report – Annual report year: 2013
Multilayer tape cast SOFC – Effect of anode sintering temperature
Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

Optimization of the strength of SOFC anode supports
Publication: Research - peer-review › Journal article – Annual report year: 2011

Shape distortion and thermo-mechanical properties of SOFC components from green tape to sintering body
Teocoli, F., Ni, D. W., Tadesse Molla, T., Brodersen, K., Ramousse, S., Frandsen, H. L. & Esposito, V. 2012
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2013

A Monolithic Perovskite Structure for Use as a Magnetic Regenerator
Publication: Research - peer-review › Journal article – Annual report year: 2011

High performance anode supported SOFC produced by multilayer tape casting
Brodersen, K., Hauch, A., Hjalmarssson, P. & Hjelm, J. 2011
Publication: Research › Conference abstract for conference – Annual report year: 2011

Metal-Supported SOFC with Ceramic-Based Anode
Publication: Research - peer-review › Conference article – Annual report year: 2011

Ni/YSZ anode – Effect of pre-treatments on cell degradation and microstructures
Publication: Research - peer-review › Journal article – Annual report year: 2011

Solid oxide cells for steam electrolysis
Publication: Research › Poster – Annual report year: 2011

Development of Planar Metal Supported SOFC with Novel Cermet Anode
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2009

Development of Planar Metal Supported SOFC with Novel Cermet Anode
Publication: Research - peer-review › Conference article – Annual report year: 2009

Manufacturing of anode supported SOFCs: Processing parameters and their influence
Publication: Research - peer-review › Article in proceedings – Annual report year: 2007