Research outputs:

NOx conversion in La_{0.85}Sr_{0.15}Co_{0.03}Mn_{0.97}O_3+δ-Ce_{0.9}Gd_{0.1}O_{1.95} porous cell stacks infiltrated with Pt  
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

Effect of cobalt on the activity of dual phase *(Gd0.6Sr0.4)0.99Fe1-xCoxO3-δ* SOFC cathodes  
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

Highly porous Ce-W-TiO2 free-standing electrospun catalytic membranes for efficient de-NOx via ammonia selective catalytic reduction  
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

Silver Modified Cathodes for Solid Oxide Fuel Cells  
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

Activation/Deactivation Phenomena in the Electrochemical Reduction of Nitric oxide and Oxygen on LSM perovskites  
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

Amorphous saturated Cerium-Tungsten-Titanium oxide nanofibers catalysts for NOx selective catalytic reaction  
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

Communication—Perovskite Electrochemical System for Highly Selective NOx Reduction of Diesel Engine Exhaust  
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

Cr- and Ti-Based Spinels As Materials for Anodic Catalyst Support in PEM Electrolysis Cells: Assessing Corrosion Stability and Support Role in Catalyst Activity of Corrosion Stable Ceramics  
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

Electrochemical removal of NOx using oxide-based electrodes - A review  
Research output: Contribution to journal › Review – Annual report year: 2018 › Research › peer-review
Novel Processing of Cathodes for Solid Oxide Fuel Cells
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

Studies of A-site Deficient (Gd_{0.6}Sr_{0.4})_{1-x}Fe_{0.8}Co_{0.2}O_{3-δ} Cathodes in SOFCs
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

The Role of Pore-Formers on Grain Interior and Grain Boundary Conductivity in Tape-Cast Porous Sheets for Electrochemical Flue Gas Purification
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

Cathode-supported hybrid direct carbon fuel cells
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

Cone-Shaped Gd_{1-x}Sr_{x}Fe_{0.8}Co_{0.2}O_{3-δ} Electrodes for SOFC Cathodes
Research output: Contribution to journal › Letter – Annual report year: 2017 › Research › peer-review

Determination of the Resistance of Cone-Shaped Solid Electrodes
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

Direct Coal Oxidation in Modified Solid Oxide Fuel Cells
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

Effect of CeO2 Addition on Hybrid Direct Carbon Fuel Cell Performance
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

Materials for Catalysis, Synthetic Fuels and Chemical Energy Conversion
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2017 › Research › peer-review

NOx Selective Catalytic Reduction (SCR) on Self-Supported V-W-doped TiO2 Nanofibers
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

Permeability, strength and electrochemical studies on ceramic multilayers for solid-state electrochemical cells
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

Effect of pore formers on properties of tape cast porous sheets for electrochemical flue gas purification
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

Electrochemical Reduction of NO2
Research output: Contribution to journal › Conference abstract in journal – Annual report year: 2016 › Research › peer-review

Electrochemical removal of NOx using solid oxide cells
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2016 › Research

Fabrication of doped Titania (TiO2) nanofibers to serve as catalysts in NH3-Selective Catalytic Reduction (SCR)
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2016 › Research › peer-review

Highly selective NOx reduction for diesel engine exhaust via an electrochemical system
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review
Influence of pore former on porosity and mechanical properties of $\text{Ce}_{0.9}\text{Gd}_{0.1}\text{O}_{1.95}$ electrolytes for flue gas purification
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

New Hypothesis for SOFC Ceramic Oxygen Electrode Mechanisms
Research output: Contribution to journal › Conference article – Annual report year: 2016 › Research › peer-review

Catalytic Enhancement of Carbon Black and Coal-Fueled Hybrid Direct Carbon Fuel Cells
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Direct Coal Oxidation in Modified Solid Oxide Fuel Cells
Research output: Contribution to journal › Conference article – Annual report year: 2015 › Research › peer-review

Effect of $\text{Co}_3\text{O}_4$ and $\text{Co}_3\text{O}_4$/CeO$_2$ infiltration on the catalytic and electro-catalytic activity of LSM$_{15}$/CGO$_{10}$ porous cells stacks for oxidation of propene
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Electrochemical reduction of NO with propene in the presence of oxygen on LSCoM/CGO porous cell stacks impregnated with BaO
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Enhancing hybrid direct carbon fuel cell anode performance using Ag$_2$O
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Erratum: In Situ Studies of Fe$^{4+}$ Stability in $\beta$-Li$_3$Fe$_2$(PO$_4$)$_3$ Cathodes for Li Ion Batteries
Research output: Contribution to journal › Conference abstract for conference – Annual report year: 2015 › Research › peer-review

Fabrication of doped Titania (TiO$_2$) nano-catalysts in the shape of nanofibers
Research output: Contribution to conference › Conference abstract in proceedings – Annual report year: 2015 › Research › peer-review

Hybrid direct carbon fuel cell anode processes investigated using a 3-electrode half-cell setup
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Hybrid Direct Carbon Fuel Cell Performance with Anode Current Collector Material
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

In Situ Studies of Fe$^{4+}$ Stability in $\beta$-Li$_3$Fe$_2$(PO$_4$)$_3$ Cathodes for Li Ion Batteries
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Method and system for the purification of exhaust gas with an electrochemical cell

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

NO$_x$ Conversion of Porous LSF$_{15}$-CGO$_{10}$ Cell Stacks
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

Catalytic Enhancement of Solid Carbon Oxidation in HDCFCs
Research output: Contribution to journal › Conference article – Annual report year: 2014 › Research › peer-review
Catalytic Enhancement of Solid Carbon Oxidation in HDCFCs
Research output: Contribution to journal › Conference abstract in journal – Annual report year: 2014 › Research › peer-review

Effect of CeO$_2$ Infiltration on Hybrid Direct Carbon Fuel Cell Performance
Research output: Contribution to journal › Conference article – Annual report year: 2014 › Research › peer-review

Effect of Co304 and CeO2 Infiltration on the Activity of a LSM15/GDC10 Highly Porous Electrochemical Reactor
Research output: Contribution to journal › Conference abstract in journal – Annual report year: 2014 › Research › peer-review

Electrochemical Oxidation of Propene with a LSF$_{15}$/CGO$_{10}$ Electrochemical Reactor
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Electrochemical Reduction of Oxygen and Nitric Oxide at Low Temperature on La$_{1-x}$Sr$_x$FeO$_{3-δ}$ Cathodes
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

HDCFC Performance as a Function of Anode Atmosphere (N$_2$-CO$_2$)
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

High Performance Infiltrated Backbones for Cathode-Supported SOFC’s
Research output: Contribution to journal › Conference article – Annual report year: 2014 › Research › peer-review

High Performance Infiltrated Backbones for Cathode-Supported SOFC’s
Research output: Contribution to journal › Conference abstract in journal – Annual report year: 2014 › Research › peer-review

Hybrid direct carbon fuel cells and their reaction mechanisms - a review
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Impedance Spectroscopy and Catalytic Activity Characterization of a La$_{0.85}$Sr$_{0.15}$MnO$_3$/Ce$_{0.9}$Gd$_{0.1}$O$_{1.95}$ Electrochemical Reactor for the Oxidation of Propene
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Removal of NO$_x$ with Porous Cell Stacks with La$_{0.85}$Sr$_{0.15}$Co$_x$Mn$_{1-x}$O$_{3+δ}$-Ce$_{0.9}$Gd$_{0.1}$O$_{1.95}$ Electrodes Infiltrated with BaO
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

A combined SEM, CV and EIS study of multi-layered porous ceramic reactors for flue gas purification
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Characterization of LSM/CGO Symmetric Cells Modified by NOx Adsorbents for Electrochemical NOx Removal with Impedance Spectroscopy
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

Effect of Infiltration Material on a LSM$_{15}$/CGO$_{10}$ Electrochemical Reactor in the Electrochemical Oxidation of Propene
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

Electrochemical NO$_x$ reduction on an LSM/CGO symmetric cell modified by NO$_x$ adsorbents
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review
Electrochemical reduction of oxygen and nitric oxide at low temperature on Ce$_{1-x}$Pr$_x$O$_{2-\delta}$ cathodes
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Electrochemical Reduction of Oxygen and Nitric oxide at low Temperature on La$_{1-x}$Sr$_x$Cr$_{0.97}$V$_{0.03}$O$_{3-\delta}$ Cathodes
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

Electrochemical reduction of oxygen and nitric oxide at low temperature on La$_{1-x}$Sr$_x$MnO$_{3+\delta}$ cathodes
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

Enhancement of NO$_x$ removal performance for (La$_{0.85}$Sr$_{0.15}$)$_{0.99}$MnO$_3$/Ce$_{0.9}$Gd$_{0.1}$O$_{1.99}$ electrochemical cells by NO$_x$ storage/reduction adsorption layers
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

Fabrication and Characterization of multi-layer ceramics for electrochemical flue gas purification
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

Fabrication of highly porous LSM/CGO cell stacks for electrochemical flue gas purification
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

In Situ Study of High Voltage Performance of Li$_3$Fe$_2$(PO$_4$)$_3$ Cathodes for Li Ion batteries
Research output: Contribution to journal › Conference abstract in journal – Annual report year: 2013 › Research › peer-review

NO$_x$ reduction on ag electrochemical cells with a K-Pt-Al 2O$_3$ adsorption layer
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

Production of a half cell with a LSM/CGO support for electrochemical flue gas purification
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

A combined SEM and CV Study of Solid Oxide Fuel Cell Interconnect Steels
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Diffuse Reflectance Infrared Fourier Transform Study of NO$_x$ Adsorption on CGO10 Impregnated with K2O or BaO
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

Electrochemical oxidation of propene by use of LSM$_{15}$/CGO$_{10}$ electrochemical reactor
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

Electrochemical testing of composite electrodes of (La$_{1-x}$Sr$_x$)$_{1.5}$MnO$_3$ and doped caria in NO-containing atmosphere
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

NO$_x$ conversion on LSM15-CGO10 cell stacks with BaO impregnation
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

NO$_x$-conversion on Porous LSF15-CGO10 Cell Stacks with KNO$_3$ or K$_2$O Impregnation
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

Optimization of an electrochemical cell with an adsorption layer for NO$_x$ removal
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

Pore former induced porosity in LSM/CGO cathodes for electrochemical cells for flue gas purification
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review
Improvement of LSM15-CGO10 electrodes for electrochemical removal of NOx by KNO3 and MnOx impregnation
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Low temperature reduction of NO and O2 on A-site deficient (Pr0.6Sr0.4)1−sFe0.8Co0.2O3−5 perovskites
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Optimizing the Performance of Porous Electrochemical Cells for Flue Gas Purification using the DOE method
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Ceria and strontium titanate based electrodes
Research output: Patent › Patent – Annual report year: 2010 › Research

Characterization of (La1-xSr)(x)MnO3 and Doped Ceria Composite Electrodes in NOx-Containing Atmosphere with Impedance Spectroscopy
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Composite Material Suitable for Use as Electrode Material in a SOC
Research output: Patent › Patent – Annual report year: 2010 › Research

Effect of impregnation of La0.85Sr0.15MnO3/Yttria Stabilized Zirconia Solid Oxide Fuel Cell cathodes with La0.85Sr0.15MnO3 or Al2O3 nano-particles
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

EIS measurements on La1-xSrCo1-yFeyO3-δ based composite electrodes in NOx containing atmosphere
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Electrochemical reduction of nitrous oxide on La1-xSrCoO3 perovskites
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Electrochemical Reduction of NOx Gases on Spinel-Type Electrode Materials
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2010 › Research › peer-review

Electrochemical Reduction of Oxygen and Nitric Oxide at Low Temperature on La1−xSrxCoxO3−δ cathodes
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Electrochemical Removal of NOx with porous cell stacks
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Electrochemical Removal of NOx-Gasses by Use of LSM and LSF Cathodes Impregnated with NOx-Storage Compounds
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2010 › Research › peer-review

Electrochemical Removal of NOx-Gasses by Use of LSM-Cathodes Impregnated with a NOx Storage Compound
Research output: Contribution to journal › Conference article – Annual report year: 2010 › Research › peer-review

High Performance Fe-Co Based SOFC Cathodes
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

NiCr (x) Fe2-x O-4 as cathode materials for electrochemical reduction of NO (x)
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review
Sintering effect on material properties of electrochemical reactors used for removal of nitrogen oxides and soot particles emitted from diesel engines
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Solid Oxide Fuel Cell: A method for producing a reversible solid oxid fuel cell
Research output: Patent › Patent – Annual report year: 2010 › Research

Solid State Electrochemical DeNOx: An overview
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

The Effect of a CGO Barrier Layer on the Performance of LSM/YSZ SOFC Cathodes
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

The effect of A-site deficiency on the performance of La1-sFe0.4Ni0.6O3-delta cathodes
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

An EIS study of La2-eEuro parts per thousand x Sr (x) NiO4+ (delta) SOFC cathodes
Research output: Contribution to journal › Journal article – Annual report year: 2009 › Research › peer-review

A-Site Deficient (Pr0.6Sr0.4)(1-s)Fe0.8Co0.2O3-delta Perovskites as Solid Oxide Fuel Cell Cathodes
Research output: Contribution to journal › Journal article – Annual report year: 2009 › Research › peer-review

Characterization of MgMnxFe2-xO4 as a possible cathode material for electrochemical reduction of NOx
Research output: Contribution to journal › Journal article – Annual report year: 2009 › Research › peer-review

Electrochemical characterization and redox behavior of Nb-doped SrTiO3
Research output: Contribution to journal › Journal article – Annual report year: 2009 › Research › peer-review

Electrochemical reduction of NO on La2-xSrNiO4 based electrodes
Research output: Contribution to journal › Journal article – Annual report year: 2009 › Research › peer-review

Processing and characterization of porous electrochemical cells for flue gas purification
Research output: Contribution to journal › Journal article – Annual report year: 2009 › Research › peer-review

The NiFe2O4-MgFe2O4 series as electrode materials for electrochemical reduction of NOx
Research output: Contribution to journal › Journal article – Annual report year: 2009 › Research › peer-review

Defect and electrical transport properties of Nb-doped SrTiO3
Research output: Contribution to journal › Journal article – Annual report year: 2008 › Research › peer-review

Electrochemical cell for removing NOx and soot from diesel exhaust
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2008 › Research

Electrochemical reduction of NO and O2 on La2-xSrxCuO4-based electrodes
Research output: Contribution to journal › Journal article – Annual report year: 2008 › Research › peer-review

Electrochemical reduction of O2 and NO on Ni, Pt and Au
Research output: Contribution to journal › Journal article – Annual report year: 2008 › Research › peer-review
Evaluation of LSF based SOFC Cathodes using Cone-shaped Electrodes
Research output: Contribution to journal › Conference article – Annual report year: 2008 › Research › peer-review

Niobium-doped strontium titanates as SOFC anodes
Research output: Contribution to journal › Conference article – Annual report year: 2008 › Research

Strontium Titanate-based Composite Anodes for Solid Oxide Fuel Cells
Research output: Contribution to journal › Conference article – Annual report year: 2008 › Research › peer-review

Temperature dependence of the cation distribution in ZnFe2O4 measured with high temperature neutron diffraction
Research output: Contribution to journal › Journal article – Annual report year: 2008 › Research › peer-review

The action of nano-particles in SOFC electrodes
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2008 › Research

A-site deficient (La0.6Sr0.4)1-sFe0.8Co0.2O3-delta perovskites as SOFC cathodes
Research output: Contribution to journal › Journal article – Annual report year: 2007 › Research › peer-review

Conductivity and electrochemical characterization of PrFe1-xNi1+xO3-δ at high temperature
Research output: Contribution to journal › Journal article – Annual report year: 2007 › Research › peer-review

Electrochemical reduction of NO2 studied by the use of cone-shaped electrodes
Research output: Contribution to journal › Journal article – Annual report year: 2007 › Research › peer-review

Gd0.6Sr0.4Fe0.8Co0.2O3-δ: A novel type of SOFC cathode
Research output: Contribution to journal › Journal article – Annual report year: 2007 › Research › peer-review

High performance ceramic composite anodes for solid oxide fuel cells
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2007 › Research

Influence of BaO in perovskite electrodes for the electrochemical reduction of NOx
Research output: Contribution to journal › Journal article – Annual report year: 2007 › Research › peer-review

New methods for removal of soot and NOx
Research output: Contribution to conference › Paper – Annual report year: 2007 › Research

Niobium-doped strontium titanates as SOFC anodes
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2007 › Research

Processing of Ce1-xGdxO2-delta (GDC) thin films from precursors for application in solid oxide fuel cells
Research output: Contribution to journal › Journal article – Annual report year: 2006 › Research › peer-review

Spinels as cathodes for the electrochemical reduction of O2 and NO
Research output: Contribution to journal › Journal article – Annual report year: 2007 › Research › peer-review

Spinell-type electrode materials for purification of exhaust gases from diesel fired engines
Research output: Contribution to conference › Paper – Annual report year: 2007 › Research

Synthesis of Nb-doped SrTiO3 by a modified glycine-nitrate process
Research output: Contribution to journal › Journal article – Annual report year: 2007 › Research › peer-review
Effects of Sr/Ti-ratio in SrTiO₃-based SOFC anodes investigated by the use of cone-shaped electrodes
Research output: Contribution to journal › Conference article – Annual report year: 2006 › Research › peer-review

Electrical and electro-chemical characterisation of La₀.₉₉Fe₁₋ₓNixo₃₋₅ perovskites
Research output: Contribution to journal › Journal article – Annual report year: 2006 › Research › peer-review

Electrochemical reduction of NOₓ on spinel-type materials
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2006 › Research

Novel ceramic anodes for solid oxide fuel cells investigated by cone shaped electrodes
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2006 › Research

Studies of Fe-Co based perovskite cathodes with different A-site cations
Research output: Contribution to journal › Journal article – Annual report year: 2006 › Research › peer-review

Synthesis of Nb-doped SrTiO₃ by a modified glycine-nitrate process
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2006 › Research

A study of Pr₀.₇Sr₀.₃Fe₁₋ₓNixo₃₋₅ as a cathode material for SOFCs with intermediate operating temperature
Research output: Contribution to journal › Journal article – Annual report year: 2005 › Research › peer-review

Ceria revisited: Electrolyte or electrode material?
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2005 › Research

Charge disproportionation in (X₀.₆Sr₀.₄)₀.₉₉Fe₀.₈Co₀.₂O₃₋₅ perovskites (X = La, Pr, Sm, Gd)
Research output: Contribution to journal › Journal article – Annual report year: 2005 › Research › peer-review

Electro-catalytic processes studied by the use of point electrodes
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2005 › Research

Electrochemical DeNOₓ in solid electrolyte cells - an overview
Research output: Contribution to journal › Journal article – Annual report year: 2005 › Research › peer-review

LSFM perovskites as cathodes for the electrochemical reduction of NO
Research output: Contribution to journal › Journal article – Annual report year: 2005 › Research › peer-review

Oxidation of methane and hydrogen on Ce₁₋ₓGdₓO₂₋ₓ flourrites
Research output: Contribution to journal › Journal article – Annual report year: 2005 › Research › peer-review

Perovskites as electrodes and catalysts
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2005 › Research

Solid state electrochemistry. Proceedings
Research output: Book/Report › Book – Annual report year: 2005 › Research › peer-review

Structural characterization of A-site deficient strontium titanate by the use of cone shaped electrodes, electron microscopy, and XRD
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2005 › Research
A study of Pr$_{0.7}$Sr$_{0.3}$Fe$_{1-x}$Ni$_x$O$_{3-δ}$ as a cathode material for intermediate temperature operating SOFCs
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2004 › Research

A study of Pr$_{0.7}$Sr$_{0.3}$Fe$_{1-x}$Ni$_x$O$_{3-δ}$ as an SOFC cathode material
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2004 › Research

Fastoxid-brændselscellen - en elektrokemisk reaktor
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2004 › Research

Oxidation of methane on oxides
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2004 › Research

SOFC - an electrochemical reactor
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2004 › Research

Conversion of hydrocarbons in solid oxide fuel cells
Research output: Contribution to journal › Journal article – Annual report year: 2003 › Research › peer-review

Electrodes for oxidation of methane
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2003 › Research

Improvement of LSM cathode for high power density SOFCs
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2003 › Research

Development of thin-electrolyte solid oxide fuel cells
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2002 › Research

Electrochemical gas cleaning
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2002 › Research

Strategies for testing of solid oxide fuel cells and electrodes
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2002 › Research

Working electrode for electrochemical reactor comprises electric conductive ceramic oxide material

Perovskites as catalysts for the selective catalytic reduction of nitric oxide with propene: Relationship between solid state properties and catalytic activity
Research output: Contribution to journal › Journal article – Annual report year: 2001 › Research › peer-review

Electrochemical Exhaust Gas Purification
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2000 › Research › peer-review
Electrochemical Reduction of NO and O2 on Cu/CuO
Research output: Contribution to journal › Journal article – Annual report year: 2000 › Research › peer-review

Electrochemical Reduction of NO and O2 on Oxide Based Electrodes
Research output: Contribution to journal › Conference article – Annual report year: 2000 › Research › peer-review

Perovskites as Cathodes for Nitric Oxide Reduction
Research output: Contribution to journal › Journal article – Annual report year: 2000 › Research › peer-review

Electrochemical Reactor for Exhaust Gas Purification
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1999 › Research › peer-review

Mechanochemical synthesis of Fe-S materials.
Research output: Contribution to journal › Journal article – Annual report year: 1998 › Research › peer-review

Lithium Insertion into Iron Sulfides
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1997 › Research

Projects:

Durable thin ceramic films for improvement of Proton Exchange Membrane (PEM) electrolysis
Project: PhD

Elektrokatalytisk gasrensning
Project: PhD

Low Temperature NOx decomposition using an electrochemical Reactor
Project: PhD

Selective NO Conversion Electrocatalysts
Project: PhD

Direct conversion of carbon to electricity in a hybrid solid oxide fuel cell
Project: PhD

Oxygen Membranes for Biomass Gasification and Cement Industry
Project: PhD

Low Temperature oxidation of hydrocarbons using an electrochemical reactor
Project: PhD

Electrochemical Removal of NOx and Hydrocarbons
Project: PhD

Experimental tape casting of multilayer for flue gas purification
Project: PhD

Electrochemical Reduction of NOx
Project: PhD