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Nanotoxicological Properties of Fuel Cell Emissions

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Techno-Economic analysis of a Microbial Fuel Cell driven anaerobic digestion process

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Developing new catalysts for protic ionic liquid fuel cells following research of the mechanism of the oxygen reduction reaction

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Photoelectrochemical generation of hydrogen

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Enhancing Fuel Cell Lifetime Performance through Effective Health Monitoring and Decision Support

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Research into PEMFC catalysts

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Applications of Life Cycle Methodology to Hydrogen from Biomass

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Non-precious-metal catalysts for Alkaline Polymeric Membrane Fuel Cells (APMFC)

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Microstructural Causes and effects of thermally driven degradation in Solid Oxide Fuel Cells

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Applied and fundamental understanding of novel non platinum fuel cell catalysts in collaboration with Amalyst

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Size-selected atomic clusters for electrocatalysis and photoelectrocatalysis

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Manganese oxide-Graphene oxide hybrid support systems for DMFC (and PEMFC) applications

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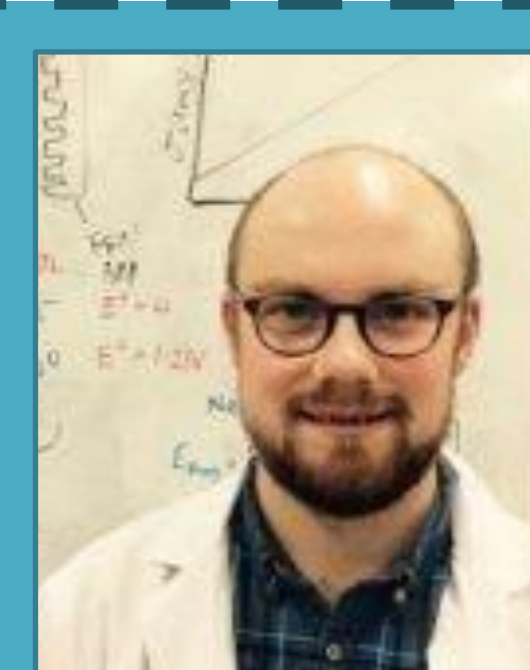
Economic photo-electrochemical route for the production of Ammonia (or solar fuels)

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Catalysts for methane reforming being used in a SOFC powered APU for trucks

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Investigation of Binary and Ternary Catalysts to Create Low-Cost, High Performance Electrocatalysts for Proton Exchange Membrane Fuel Cells

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Ionic Liquid Fuel Composition Fuel Cells for Intermediate PEM

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Modelling Microstructural and Chemical Degradation of Protective Coatings for SOFC Interconnects

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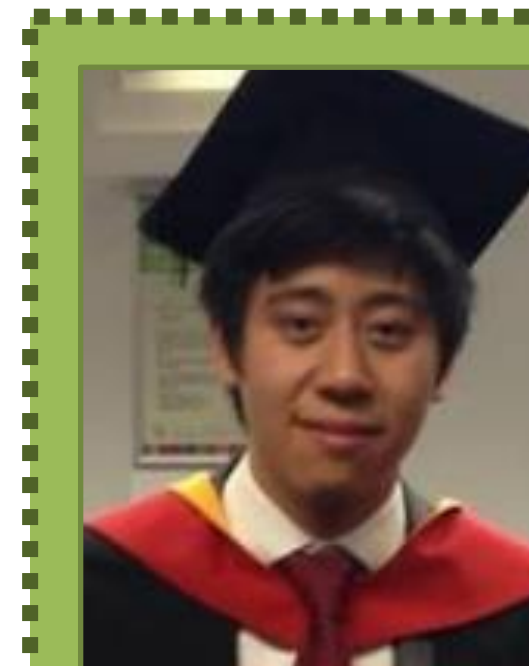
3D Multiphysics Modelling and Experimental Validation of Microtubular Solid Oxide Fuel Stacks with novel Interconnection.

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Development of a Segmented Fuel Cell-Supercapacitor Passive Hybrid System

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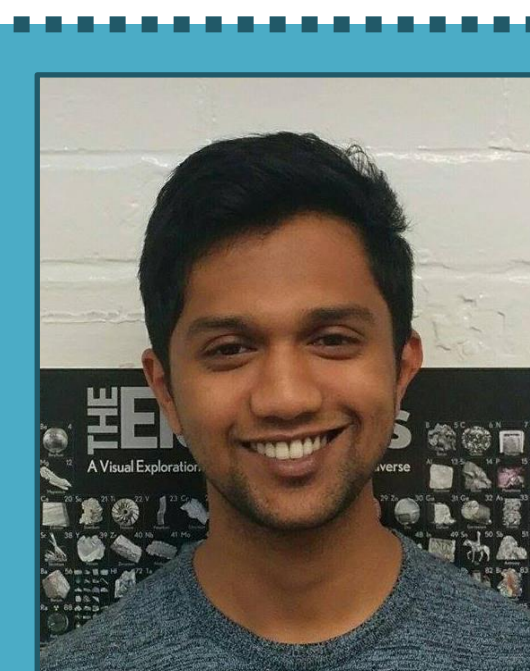
The Impact of Environmental Conditions on Fuel Cell Performance

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An investigation of in-situ grown NiPt nanowires for PEFC applications

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R. Sphaeroides for Biohydrogen production and Fuel Cell Catalysts

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Design and Microstructural Control of All-Ceramic Anodes for Solid Oxide Fuel Cells and Solid Oxide Electrolysis Cells

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Removal of carbon dioxide from biogas for hydrogen production

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The photocatalytic production of hydrogen from contaminated water in a microfluidic system

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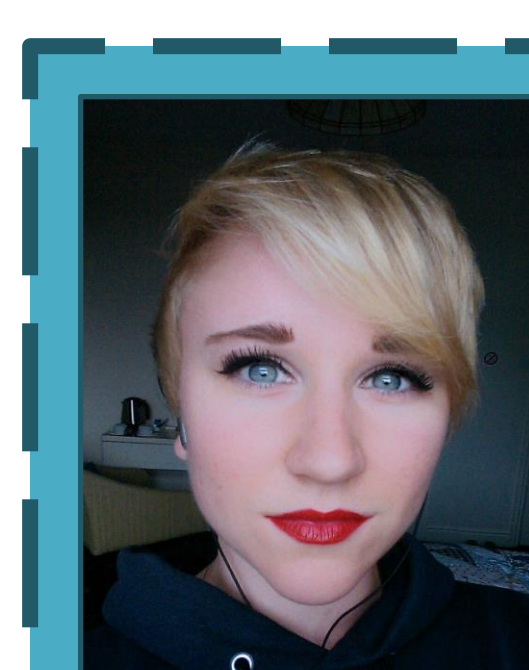
Fuel Cell Powered Aircraft

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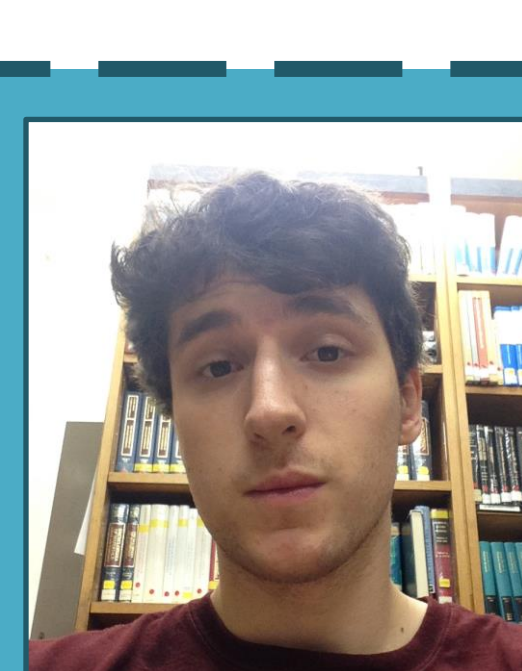
The added value of hydrogen and fuel cells

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Operation of Tn-Doped SOFCs on Fuel Mixtures of Hydrogen, Methane and Biogas

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Optimisation of conditions and material properties to maximise the efficiency of interface ion exchange within PEMFC

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Ccm's (catalyst coated membranes) with textured membranes and stack development

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Improved solid state storage efficiency through design

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Developing Next Generation Direct Fuel Cell Systems using Liquid Fuels for Building and Automotive Applications

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Computational modelling of materials for fuel cells

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PhD Completion 2017 PhD Completion 2018 PhD Completion 2019 PhD Completion 2020