Fortum and Neste Foundation’s Grants 2025

Abbasi Vahid
Boosting cell voltage of flow batteries via microemulsion technology

Babayan Morsal
Developing methods to analyse isomers and reactive intermediates for catalysis engineering with a focus on the Methanol-to-Hydrocarbons (MTH) process

Bagheri Marzieh
From biomass to platform chemical: Advancing lignin valorization

Contreras Roxana
Fluid-induced vibrations in nuclear fuel rods and impact on neutron flux

Emami Nima
A novel approach for data-driven and machine learning-aided design of battery recycling processes

Fabritius Anita

Pienten modulaaristen ydinreaktoreiden käytetyn polttoaineen loppusijoitus syväkairareikämenetelmällä: Radionuklidien käyttäytyminen kallioperässä ja päästöesteissä

Heidarabadi Shadab

Fully predictive fast RCCI simulation by spray-resolved combustion model

Jadhav Ashwini

Supercapacitive performance of ionic-liquid-intercalated two-dimensional Ti3C2Tx in redox electrolyte &

Towards high-energy density supercapacitors based on 2-dimensional Ti3C2Tx using modified aqueous electrolytes

Kabugo James Clovis

Online monitoring of catalyst deactivation in the hydrogenation process

Karhu Juha

Lumen vaikutus aurinkosähkötuotantoon Suomessa

Kasebi Vayghan Ali
Bio-based long-term thermochemical energy storage

Kudjoi Atte
New sustainable ionic phases for performance improvement of biodegradable supercapacitors

Kürümüs Adnan Tolga
Numerical investigation and optimization of chemical mechanisms for spray-ignited ammonia mixtures

Lassila Lotta
Innovative processes for the recycling of lithium-ion batteries

Maddahi Reza
International law on CCS technology: A legal appraisal of compatibility and opportunities under the Paris Climate Change Agreement with a focus on international market mechanisms

Marttila Roope
Modern nuclear reactor siting: How SMRs and generation IV reactors are changing the regulatory landscape

Montero Teran Heidy
Towards environmental upgrading: Managing the decarbonization of global value chains of multinational companies

Mousavi Maryam
Enhancing the performance and photostability of perovskite solar cells with the integration of added functions

Munawar Maryam
Combating visual misinformation in climate science with AI-driven forensics

Muth Carl Johannes
Emerging differences in discourses and opinions on lithium mining among sociopolitical agents in Serbia, Portugal and Finland

Ostovar Ravari Shaghayegh
Techno-economic and life cycle assessment of bifacial photovoltaic panels in finland towards integration of green hydrogen production

Penttilä Reko
Flat bands as a route to room temperature superconductivity

Pomogaev Aleksandr
Utilizing the thermal inertia of massive structures as a passive heat sink in small and micro modular reactors

Rehman Sanower
Flexible operation of PEM Electrolyzer for green hydrogen production and use as a raw material for Chemical Industries

Riaz Zubair
Upgrading of the mixed plastic waste pyrolysis oil

Rosenthal Moritz Karl
Noble metal-free electrocatalysts for the oxygen evolution reaction: Towards sustainable proton exchange membrane electrolyzers

Saleem Muhammad
Sustainable carbon-silicon composites: Enhancing lithium-ion battery performance with biomass-based materials

Salomaa Vili-Petteri
Numerical modelling of flame-wall interaction of future fuels

Schurr Jennifer Lorena
Experimental study of the wall temperature of hydrogen/air and methane/air mixtures

Suominen Topi
Metalli(IV)oksidit ryhmän 3 ja f-lohkon alkuaineiden selektiivisissä erotuksissa ja hybridi-ioninvaihtimien tukirakenteina

Tham Tra
Optimizing green bond frameworks to align financial, governance, and climate risk strategies in Nordic energy companies

Ulaska Iida

Metalliorgaanisiin huokosmateriaaleihin perustuvat 3D-tulostettavat elektrodit vihreän vedyn sähkökemiallisessa tuotannossa

Vidana Arachchi Geethike Ranga

Impact assessment of key energy system components' degradation mechanisms and innovation in solar photovoltaic system variants on the global energy system transition

Vo Tan Phat

High-purity phosphorus recovery from sewage sludge using hydrothermal processing

Wang Nianxing

Viologen-Based Hybrid Materials for Enhanced Photoelectrochemical Catalysis and Energy Storage Applications

Yeganeh Maryam

Experimental studies on challenges of hydrogen as fuel in heavy-duty and marine engines