Research outputs:

Complementary analyses of aging in a commercial LiFePO$_4$/graphite 26650 cell
Research output: Research - peer-review › Journal article – Annual report year: 2018

Analysis of the Interphase on Carbon Black Formed in High Voltage Batteries
Research output: Research - peer-review › Journal article – Annual report year: 2015

Analysis of the Interphase on Carbon Black Formed in High Voltage Batteries
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2015

Capillary based Li-air batteries for in situ synchrotron X-ray powder diffraction studies
Research output: Research - peer-review › Journal article – Annual report year: 2015

Charge Localization in the Lithium Iron Phosphate Li$_3$Fe$_2$(PO$_4$)$_3$ at High Voltages in Lithium-Ion Batteries
Research output: Research - peer-review › Journal article – Annual report year: 2015

Depth profiling the solid electrolyte interphase on lithium titanate (Li$_4$Ti$_5$O$_12$) using synchrotron-based photoelectron spectroscopy
Research output: Research - peer-review › Journal article – Annual report year: 2015

Instability of Ionic Liquid-Based Electrolytes in Li-O$_2$ Batteries
Research output: Research - peer-review › Journal article – Annual report year: 2015

Lithium salts for advanced lithium batteries: Li-metal, Li-O$_2$, and Li-S
Research output: Research - peer-review › Journal article – Annual report year: 2015

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

A New Look at the Stability of Dimethyl Sulfoxide and Acetonitrile in Li-O2 Batteries
Batteries: an important piece in the puzzle of renewable energies for a better world
Research output: Research - peer-review › Journal article – Annual report year: 2014

Communication: The influence of CO₂ poisoning on overvoltages and discharge capacity in non-aqueous Li-Air batteries
Research output: Research - peer-review › Journal article – Annual report year: 2014

High Voltage Surface Degradation on Carbon Blacks in Lithium Ion Batteries
Younesi, R. 2014 1 p.
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2014

Influence of annealing temperature on the electrochemical and surface properties of the 5-V spinel cathode material LiCr 0.5Ni 0.4Mn 1.4O 4 synthesized by a sol-gel technique
Research output: Research - peer-review › Journal article – Annual report year: 2014

In Situ Synchrotron XRD on a Capillary Li-O2 Battery Cell
Research output: Research - peer-review › Poster – Annual report year: 2014

Investigating Surface and Interface Phenomena in LiFeBO3 Electrodes Using Photoelectron Spectroscopy Depth Profiling
Research output: Research - peer-review › Conference abstract in journal – Annual report year: 2014

Ionic conductivity and the formation of cubic CaH₂ in the LIBH₄-Ca(BH₄)₂ composite
Research output: Research - peer-review › Journal article – Annual report year: 2014

Nickel oxide crystalline nano flakes: synthesis, characterization and their use as anode in lithium-ion batteries
Ahmadi, M., Younesi, R., Vegge, T. & Guinel, M. J-F. 2014 In : Materials Research Express. 1, 2, 12 p., 025501
Research output: Research - peer-review › Journal article – Annual report year: 2014

Synthesis of tungsten oxide nanoparticles using a hydrothermal method at ambient pressure
Research output: Research - peer-review › Journal article – Annual report year: 2014

WO₃ nano-ribbons: their phase transformation from tungstite (WO₃·H₂O) to tungsten oxide (WO₃)
Research output: Research - peer-review › Journal article – Annual report year: 2014

Chemical stability of DMSO and ACN solvents in contact with Li₂O₂
Research output: Research - peer-review › Conference abstract in journal – Annual report year: 2013

Combined DFT and Dems Study On the Role of CO₂ Poisoning On the Electronic Conduction and Overpotentials in Li-Air Batteries
Reduced Graphene Oxide for Li-Air Batteries: The Effect of Oxidation Time and Reduction Conditions for Graphene Oxide

The Influence of CO2 Poisoning on Overvoltages and Discharge Capacity in Non-aqueous Li-Air Batteries

The Lithium-Air Battery: How Difficult Is to Make It Rechargeable?
Younesi, R. 2013 1 p.

X-Ray Acceleration On Electrochemical Reaction