Research outputs:

Complementary analyses of aging in a commercial LiFePO4/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 Li3Fe2(PO4)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 (Li4Ti5O12) using synchrotron-based photoelectron spectroscopy
Research output: Research - peer-review › Journal article – Annual report year: 2015

Instability of Ionic Liquid-Based Electrolytes in Li−O2 Batteries
Research output: Research - peer-review › Journal article – Annual report year: 2015

Lithium salts for advanced lithium batteries: Li−metal, Li−O2, and Li−S
Research output: Research - peer-review › Journal article – Annual report year: 2015

Plasma properties during magnetron sputtering of lithium phosphorous oxynitride 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
Research output: Research - peer-review › Journal article – Annual report year: 2014

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
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 LiCr0.2Ni0.4Mn1.4O4 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
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
Research output: Research - peer-review › Conference abstract in journal – Annual report year: 2013

Reduced Graphene Oxide for Li-Air Batteries: The Effect of Oxidation Time and Reduction Conditions for Graphene Oxide
Research output: Research - peer-review › Conference abstract in journal – Annual report year: 2013

The Influence of CO2 Poisoning on Overvoltages and Discharge Capacity in Non-aqueous Li-Air Batteries
Research output: Research › Poster – Annual report year: 2013

The Lithium-Air Battery: How Difficult Is to Make It Rechargeable?
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2013

X-Ray Acceleration On Electrochemical Reaction
Research output: Research - peer-review › Conference abstract in journal – Annual report year: 2014