

BatSynch - The Battery Challenge at Synchrotrons

Wednesday, November 29, 2023

Happy Hour and Poster Session - Kastler Hall (5:50 PM - 8:00 PM)

time	[id] title	presenter
5:50 PM	[47] Superstructure-Suppressed Oxygen Evolution in Co-free Materials for Na-ion Batteries	
5:50 PM	[53] Novel TiO ₂ Nanoparticles Decorated Graphene Electrodes for Lithium-Ion Batteries Investigated with Operando X-ray Diffraction	
5:50 PM	[55] Combined Capacitive and Electrochemical Charge Storage Mechanism in High Performance Graphene-Based Lithium-Ion Batteries	
5:50 PM	[57] Sn/Ti oxide from Ti ₃ Al(1-x)Sn _x C ₂ MAX Phases (x=0.4, 0.7, 1) as Negative Electrode for Lithium Ion Batteries: three Sides of a Coin	
5:50 PM	[50] Probing the operation of non-graphitizable carbon and Na ₃ V ₂ (PO ₄) ₂ F ₃ in Na-ion batteries by operando solid-state nuclear magnetic resonance	
5:50 PM	[35] 4D imaging of abuse mechanisms in Li-ion Batteries	
5:50 PM	[39] Understanding the Redox Behaviour of Na ⁺ /Li ⁺ Exchanged T ₂ O ₂ -Li _{0.67} +xNi _{0.33} Mn _{0.67} O ₂ using soft-XAS	
5:50 PM	[49] Processing and development of quasi-anode free lithium-based batteries by thermal evaporation	
5:50 PM	[58] X-RAYS meet NEUTRONS meet IONS meet ELECTRONS meet LASERS meet MAGNETS: Combined access to multiple facilities through EU project "ReMade@ARI"	
5:50 PM	[38] In-depth Soft-XAS Analysis of the Electrochemical Performance of Fully Optimized Graphite LNMO Li-Ion Cells	
5:50 PM	[51] Multiscale characterization approach to correlation of synthesis of layered oxides to their structure and chemistry	
5:50 PM	[52] Ni(OH) ₂ decorated graphene for application in asymmetric hybrid supercapacitor	
5:50 PM	[54] Simulating a novel Electrochemical Impedance Spectroscopy measurement system	
5:50 PM	[60] Quantum optimization algorithms in battery adaptive charging	