

Monday, June 20, 2016

P1—Poster Presentations

- Abst# 140      Optimized Solid-State Reaction Process of Synthesizing  $\text{Li}_4\text{Ti}_5\text{O}_{12}$  with Improved Rate Capability for Li-Ion Batteries by Jae Hyun Kim, Daegu Gyeongbuk Institute of Science and Technology; Seong-Ho Baek, Daegu Gyeongbuk Institute of Science and Technology; Jung Soo Park, DGIST
- Abst# 209      High-Throughput Method to Study the Electrochemical Performance of Ag-Doped Olivine Based Cathode for Libs by HyunSeok Lee, Yonsei University; HyunSeok Lee, Korea Institute of Science and Technology (KIST); Haena Yim, Korea Institute of Science and Technology (KIST); Kwang-Bum Kim, Yonsei University; Ji-Won Choi, Korea Institute of Science and Technology
- Abst# 375      Integral-Type Porous Cobalt@Cobalt Oxide Anode with Micro/Nano-Sized Pores for Lithium-Ion Battery by Hyeji Park, Kookmin University; Kyungbae Kim, Kookmin University; Hunhui Cho, Northwestern University; Jae-Hun Kim, Kookmin University; David Dunand, Northwestern University; Heeman Choe, Kookmin University

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- Abst# 571      High Energy Lithium Ion Batteries Based on Cobalt Rich Composite Cathode and Silicon Anode by Sujeet Kumar, Envia Systems Inc.
- Abst# 632      Development of a Water Based Process for Stable Conversion Cathodes on the Basis of  $\text{FeF}_3$  by Alexander Pohl, Karlsruhe Institute of Technology (KIT), Germany; Mohammadkazem Faraz, Karlsruhe Institute of Technology (KIT), Germany; Andreas Schröder, Karlsruhe Institute of Technology (KIT), Germany; Michael Baunach, Karlsruhe Institute of Technology (KIT), Germany; Wilhelm Schabel, Karlsruhe Institute of Technology (KIT), Germany; Al
- Abst# 640      Battery Electrode Fabrication via Powder Based Additive Manufacturing by Yan Wang, Worcester Polytechnic Institute; Zhangfeng Zheng, Worcester Polytechnic Institute; Heng Pan, Missouri University of Science and Technology; Brandon Ludwig, Missouri University of Science and Technology
- Abst# 690      Hybridizing Organic and Solid State Single-Ion Conductors: Thermotropic Ionic Liquid Crystals for Lithium Battery Electrolytes by Dominic Bresser, CEA-Grenoble, INAC/SPrAM, UMR 5819, France; MÃfÃ©lody Leclere, CEA-Grenoble, LITEN/DEHT/ SCGE/ LGI, France; Laurent Bernard, CEA-Grenoble, INAC/SPrAM, UMR 5819, France; Patrice Rannou, CEA-Grenoble, INAC/SPrAM, UMR 5819, France;

Hakima Mendil-Jakani, CEA Grenoble, DSM/INAC/SPrAM/PCI, UMR 5819;  
Sandrine Lyonnard, CEA Grenoble

Abst# 740 Synthesis of Metal Oxide Precursors for the Generation of Oxides or Similar Nanomaterials for Na-Ion Battery Cathode Production by Katharina Fromm, University of Fribourg, Switzerland; Benoît Baichette, University of Fribourg

Abst# 826 Lithium Ion Cell/Batteries Electromagnetic Field Reduction in Phones for Hearing Aids Compliance by Hossein Maleki, Motorola Mobility; Jason Howard, Motorola Mobility; Jerry Hallmark, Motorola Mobility

Thursday, June 23, 2016

Abst# 869 Flexible High Energy Density Silicon Composite Anode for Structural Batteries by Gholam-Abbas Nazri, Frontier Applied Sciences and Technologies, LLC; Maryam Nazri, Frontier Applied Sciences and Technologies

Abst# 933 Understanding the Structural Evolution of Multiple Cationic Centres during Electrochemical Cycling of Lithium Rich Layered  $\text{Li}_2\text{Ru}_{1-x}\text{Fe}_x\text{O}_3$  by Rohit Satish, Nanyang Technological University, Singapore; Aravindan Vanchiappan, Energy Research Institute @NTU; Nicolas Bucher, Technische Universität München, Germany; Nicolas Bucher, TUM CREATE, Singapore.; Steffen Hartung, Technische Universität München, Germany.; Steffen Hartung, TUM CREATE, Singapore.; Joseph Franklin, Energy Research

Abst# 958 All-Solid-State Flexible Lithium Batteries on Polyimide Substrate Using Excimer Laser Annealing by Haena Yim, Seoul National University (SNU); Haena Yim, Korea Institute of Science and Technology; Yung-Eun Sung, Seoul National University (SNU); Ji-Won Choi, Korea Institute of Science and Technology

Abst# 1101 Sn/C Nano-Rattle Anode Material for High Energy Sodium Ion Batteries by Sivarajakumar Maharajan, University of Fribourg, Switzerland; Nam Hee Kwon, University of Fribourg, Switzerland; Katharina Fromm, University of Fribourg, Switzerland

Abst# 1145 Bridging the Gap Between Supercapacitors and Batteries By a New Material Based on Renewable Resources by Maximilian Fichtner, Helmholtz Institute Ulm (HIU); Ping Gao, Helmholtz Institute Ulm (HIU); Zhi Chen, Karlsruhe Institute of Technology (KIT); Zhirong Zhao-Karger, Helmholtz Institute Ulm (HIU); Zhirong Zhao-Karger, Karlsruhe Institute of Technology (KIT), Germany; Mario Ruben, Karlsruhe Institute of Technology (KIT)

Abst# 1219 Structure and Properties of the Amorphous Lipon Electrolyte By First-Principles Simulations by Sabrina Sicolo, Technische Universität Darmstadt; Karsten Albe,

Abst# 1221 Lithium Ion Solvation and Diffusion in Bulk Organic Electrolytes from First Principles Molecular Dynamics by Mitchell Ong, Lawrence Livermore National Laboratory; Vincenzo Lordi, Lawrence Livermore National Laboratory; Erik Draeger, Lawrence Livermore National Laboratory; John Pask, Lawrence Livermore National Laboratory