

P	Number	Presentati on Date	Receipt Number	Presenter	Affiliation	Title
P	001	MON	2546698	Chun Huang	University of Oxford	Understanding of the Relationship between Electrode Structure and Electrochemical Performance in Li Ion Batteries
P	002	TUE	2549089	Tao Gao	MIT	Theory and Applications of Ragone Plot as a Tool for Designing Electrochemical Energy Storage Devices
P	003	THR	2549916	Jin Hwan Kwak	Kangwon National University	Nanoporous pyropolymers containing numerous heteroatoms for amphicharge storage
P	004	MON	2550001	Jong Chan Hyun	Kangwon National University	Selenium-doped graphene nanoplatelets for energy storage
P	005	TUE	2551065	Min Mao	Tsinghua University	A gel Li-ion capacitor constructed by Li4Ti5O12 anode and 3D porous graphene macrofoam cathode based on in-situ polymerized gel electrolyte
P	006	THR	2552273	Matthias Geis	Justus-Liebig University Giesen	Thermodynamics of Artificial Interlayers in Lithium Metal Batteries
P	007	MON	2552603	David S. Hall	Dalhousie University	Solid-State NMR Characterization of an Additive-Derived Solid-Electrolyte Interphase
P	008	TUE	2553236	Chi-Ying Vanessa Li	The University of Hong Kong	A New Class of Ion Exchange Materials: Polymer Threaded Metal Organic Framework with High Selectivity
P	009	THR	2553584	Chaoxiang Xie	Shanghai Institute of Space Power Sources	Study on the Technology of Fast Charging Lithium ion Battery
P	010	MON	2553758	Chi-Ying Vanessa Li	The University of Hong Kong	Ionic Liquid Threaded Metal-Organic Frameworks for Anion-Exchange Application
P	011	TUE	2553885	Marzi Barghamadi	CSIRO	LithSonic™ : Powering the next battery revolution
P	012	THR	2554161	Noemi Aguilo-Aguayo	University of Innsbruck	How to optimize electrode formulations for unconventional current collectors?
P	013	MON	2554203	Michael Gockeln	University of Bremen	Fabrication and performance of Li4Ti5O12/C Li-ion battery electrodes using combined double flame spray pyrolysis and lamination technique
P	014	TUE	2554583	W. D. Widanage	University of Warwick	An enhanced Li-ion Single Particle Model including Diffusion-Induced Stress, Volume Expansion and Electrolyte Dynamics, and its Numerical Solution
P	015	THR	2554709	Peter-Paul Harks	Delft University of Technology	High energy- and high power density electrodes through immersion precipitation; towards cheaper, better and flexible batteries
P	016	MON	2554747	Dongqing Liu	Tsinghua University	Positive Film-forming Effect of Fluoroethylene Carbonate (FEC) On Improving for High-Voltage Cycling of LiCoO2/Graphite Pouch Cell
P	017	TUE	2554768	Matthew James Lacey	Uppsala University	Following internal resistance changes in batteries with a versatile intermittent current interruption technique
P	018	THR	2554819	Jack David Evans	University of Oxford	Layer-by-layer spray deposition of structured cathodes for improved rate performance in lithium-ion electrodes
P	019	MON	2554889	Johannes J. Sturm	Technical University of Munich (TUM)	Comparison of Reduced Order Electrochemical Models and Multi-Physically coupled Models of a Lithium-Ion Cell during Fast Charging
P	020	TUE	2554893	Dorthe B. Ravnsbæk	University of Southern Denmark	Ion storage in disordered TiO2 and V2O5 electrode materials
P	021	THR	2561773	Dong Hyup Jeon	Dongguk University	The wettability in porous electrode of lithium ion batteries
P	022	MON	2561952	Ilya Zilberman	Technical University of Munich (TUM)	Influence of Long-term Equalization Processes on the Voltage Based Self-discharge Measurements in Li-Ion Cells
P	023	TUE	2563081	Chen Wang	The University of Warwick	Comparative Study of Li-ion Battery Electrochemical Modeling Methods for Real Time Applications
P	024	THR	2563873	Wolfram Jaegermann	TU Darmstadt	Performance of Li-ion battery: contribution of electronic and ionic factors
P	025	MON	2567122	Tomokazu Fukutsuka	Kyoto University	Ion Transport Behavior of Electrolyte Solution within Pores in Anodic Porous Alumina Membranes as Model of Composite Electrode
P	026	TUE	2567411	Don-Hyung Ha	Chung-Ang University	Chemical Transformation of Nanocrystals toward Electrochemical Energy Applications
P	027	THR	2567682	Matthieu Niklaus	Thermo Fisher Scientific	Material Characterization and Quality Control of Lithium-Ion Battery and Fuel Cell at Multiscale level using 3D Image Data
P	028	MON	2567951	Chandramohan George	Delft University of Technology	Light-active Electrodes Towards Photo-chargeable Batteries
P	029	TUE	2568004	Menghsuan Sam Pan	Massachusetts Institute of Technology	Enhanced Energy Density and Redox Kinetics in Aqueous Polysulfides beyond the Solubility Limit
P	030	THR	2585926	Hieu Duong	Maxwell Technologies, Inc	Dry Electrode Process Technology
P	031	MON	2590154	Daniel Szwarcman	StoreDot Ltd.	Achieving High Rate Capability with Organic Compounds
P	032	TUE	2535102	Florian Holtstiege	University of Munster / MEET Battery Research Center	Pre-lithiated Carbon Nanospheres a High Performance Anode Material
P	033	THR	2535843	Romeo Malik	University of Warwick	DEGRADATION ANALYSIS OF HYBRID SILICON-TIN ANODE FOR LITHIUM ION BATTERIES
P	034	MON	2538842	Yunhui Wang	Xiamen University / College of Chemistry and Chemical Engineeri	Fabrication of Cu2-xS@M (M = C, TiO2, MoS2) hollow spheres via self-templating thermolysis strategy with improved lithium storage properties
P	035	TUE	2539900	Morten Wetjen	Technical University of Munich	Mitigating the Impedance Growth in SiG//NMC811 Lithium-Ion Batteries by Preolithiation of the Silicon-Graphite Anode
P	036	THR	2540545	Alexander Schiele	Karlsruher Insitut fur Technologie (KIT)	The Critical Role of Fluoroethylene Carbonate (FEC) in the Gassing of Silicon Anodes for Lithium-Ion Batteries
P	037	MON	2542593	Cheng-Che Hsieh	Chung Yuan Christian University	Nitrogen-doped Si/C composite derived from Si waste as potential anode materials for Li ion batteries
P	038	TUE	2544975	Guangwei She	Chinese Academy of Sciences / University of Chinese Academy of Sciences / China Automotive Battery Research Institute Co., Ltd.Ltd.	Carbon-coated silicon particles with micro/nano hierarchical architecture as anode material for lithium-ion batteries
P	039	THR	2545335	Yongli Yu	SINOPEC Research Institute of Petroleum Processing	Rigid TiO 2-x Coating on Mesoporous Hollow Si Spheres with High Structure Stability for High Performance Lithium-Ion Battery
P	040	MON	2545517	Fabio Maroni	Chieti-Pescara University	Anatase-TiO2 as sustainable buffering filler for Si anodes in Lithium batteries
P	041	TUE	2545949	Weishang Jia	University of Electronic Science and Technology of China	Improved performances of surface modified lithium metal anodes
P	042	THR	2546382	Yu Gao	Jilin University	A new candidate of anode materials MAX phase (Nb2SnC)
P	043	MON	2546572	Jin Hua Song	Shanghai Institute of Space Power-sources / State Key Laboratory of Space Power Technology	Capacity-fading analyses of Silicon Oxide Negative Electrode in Li-ion Batteries
P	044	TUE	2547847	Tao Li	Shandong University / Istituto Italiano di Tecnologia	Dually modified Li4Ti5O12 anode revealing high lithium storage capacity
P	045	THR	2548013	Suhyun Lee	Incheon National University	Conducting agents having different morphologies for the high energy anode having SiO for lithium ion battery
P	046	MON	2548360	Farzad Mashayek	University of Illinois at Chicago	Modeling and simulation of Li dendrite formation considering the solid electrolyte interface (SEI) influence
P	047	TUE	2548898	Mohammad Hossein Tahmasebi	The Hong Kong Polytechnic University	Electrochemical and Morphological Evaluation of Aluminum-Based Thin-Film Anodes for Lithium-ion Batteries
P	048	THR	2548944	Huajun Tian	University of Technology Sydney	Tailored High-performance Si-C-Graphite Paper Anodes in Lithium ion Batteries
P	049	MON	2550164	Robert Dominko	National Institute of Chemistry, Slovenia / FKKT, University of Ljubljana / ALISTORE-ERI, Amiens, France	F-rGO as an interface between lithium and electrolyte
P	050	TUE	2550406	Dong Ok Shin	Electronics and Telecommunications Research Institute / University of Science and Technology	A Preparation of Mesoporous Perforated Co3O4 Nanoparticles by Using Carbon Nanotube Template for Li-ion Battery Anode Application
P	051	THR	2550579	Claudio Capiglia	Talga Technologies, Ltd. / Recruit R&D Co.,Ltd.	Novel industrial scale production of nanocarbons for anode materials
P	052	MON	2550747	Winda Devina	Sungkyunkwan University	Unfolding the Reversible Phase Transition for Insertion Mechanism of Surface Modified-Anatase TiO2 through Impedance Analysis
P	053	TUE	2550789	Dong Ho Nam	Sungkyunkwan University	Optimizing Morphology of Si Produced from Various SiO2 Particles by Mg Reduction
P	054	THR	2551072	Kun Shen	China University of Geosciences (Beijing)	Phase field modelling of the phase transformation kinetics of lithium inserted anatase TiO2
P	055	MON	2551296	Elena Markevich	Bar-Ilan University	Fluoroethylene Carbonate-Based Electrolyte Solutions for Very Stable Lithium Metal Stripping/Plating at High Rates and High Areal Capacity.
P	056	TUE	2551344	Mao-Sung Wu	National Kaohsiung University of Applied Sciences	Modification of Expanded Mesocarbon Microbeads with Nickel Oxide Nanoflakes as an Anode Material for Lithium-ion Batteries
P	057	THR	2551949	Eun Kwang Jang	Hanyang University	Enhanced cycling performance of lithium metal anode by inorganic mechanical protection layer in lithium metal battery
P	058	MON	2552020	Yasuhiro Domi	Tottori University	Improved Electrochemical Performance of Phosphorous-Doped Silicon Anode in Ionic liquid Electrolyte for Lithium-Ion Battery
P	059	TUE	2552402	Denise Prutsch	Graz University of Technology	Sn-Filled Titania Nanotubes as Anode Material for Rechargeable Li and Na Batteries
P	060	THR	2552533	Chen-Ren Chin	National Tsing Hua University	Facile synthesis of recycled silicon/carbon porous composites via rapid thermal process for lithium-ion battery anode
P	061	MON	2552538	Dengjie Chen	Jinan University	PBA derived Co3O4 nanoparticle embedded in nitrogen-doped carbon as stable anode material for lithium-ion batteries
P	062	TUE	2552602	Ralph Nicolai Nasara	National Cheng Kung University	An integrated investigation of the Rate-Limiting Step in Li4Ti5O12 defect spinel anode materials for Lithium-Ion Batteries
P	063	THR	2552768	Jaegyeon Ryu	Ulsan National Institute of Science and Technology	Advanced Designs of Silicon Anodes for High Energy Lithium-Ion batteries
P	064	MON	2552793	Slamet Priyono	Indonesian Institute of Sciences	Effect of Polymer Binders on the Electrochemical Performance of Al-doped Lithium Titanate Electrode

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P	065	TUE	2552880	Alexandros Vasileiadis	Delft University of Technology	Towards optimal performance and in-depth understanding of spinel LTO electrodes through phase field modeling
P	066	THR	2552917	Zijia Zhang	University of Science and Technology Beijing	SnS ₂ Vertically Aligning on Graphene Enable Highly Robust Anode for Lithium-Ion and Sodium-Ion Batteries
P	067	MON	2552932	Felix Aupperle	Forschungszentrum Julich GmbH IEK-12	Scanning electrochemical microscopy investigations of mixed graphite/silicon anodes for Lithium Ion Batteries
P	068	TUE	2552933	Daseul Han	Dongguk University-Seoul	Comparative study on Li storage mechanism of MoO ₂ /CNTs and MoO ₃ /CNTs composite as anode materials for lithium-ion battery
P	069	THR	2553117	Xiang Chen	Tsinghua University	Mechanistic Insights into Electrolyte Stability towards Li/Na Anode
P	070	MON	2553161	Weixin Song	Imperial College London	Lattice Mismatch along the Interface of Anatase and TiO ₂ (B) for Lithium Storage
P	071	TUE	2553166	Ortal Lavi	Bar-Ilan University	Carbonaceous anodes for Li ion batteries: how to match materials to applications
P	072	THR	2553201	Joongpyo Shim	Kunsan National University	High Capacity Composite Anode Materials Derived from Graphite and MOF in Lithium Rechargeable Batteries
P	073	MON	2553245	Yijia Liu	Dalhousie University	Si-Fe-based Alloy Negative Electrode Materials with Extraordinary High Thermal Stability
P	074	TUE	2553265	Dmitry V. Pelegov	Ural Federal University	Characterization of Li ₄ Ti ₅ O ₁₂ by Raman Spectroscopy. The next step.
P	075	THR	2553279	Sunghun Choi	Korea Advanced Institute of Science and Technology (KAIST)	Polyrotaxane Molecular Pulleys: Highly Elastic Binder for Silicon Microparticle Anodes in Lithium Ion Batteries
P	076	MON	2553282	Leyi Zhao	Dalhousie University	Catalytically Derived Battery Graphites
P	077	TUE	2553286	Benjamin Scott	Dalhousie University	Ball Milling Kinetics, Microstructure and Performance of Si-M (Fe, Cr, V) Alloys
P	078	THR	2553290	Zhiqing Jia	Chinese Academy of Sciences / University of Chinese Academy of Sciences	Controllable Synthesis of Hollow Copper Oxide Encapsulated into N-doped Carbon Nanosheets as High-Stability Anodes for Lithium-Ion Batteries
P	079	MON	2553296	Ralph Nicolai Nasara	National Cheng Kung University	Ab initio study of electronic study of simple and transition metal-doped Li ₄ Ti ₅ O ₁₂
P	080	TUE	2553308	Che-Ya Wu	National Tsing Hua University	Flower-like Structure of SnS with N-doped Carbon via Polymer Additive for Lithium-ion Battery
P	081	THR	2553318	Kai Zhou	Tsinghua University	TRANSITION METAL ASSISTED SYNTHESIS OF TUNABLE PORE STRUCTURE CARBON WITH HIGH PERFORMANCE AS SODIUM/LITHIUM ION BATTERY ANODE
P	082	MON	2553323	Simeng Cao	Dalhousie University	Si-Ti-N Alloy Negative Electrodes with Extremely High Thermal Stability for Li-Ion Batteries
P	083	TUE	2553327	Dana Borsa	Meyer Burger (Netherlands) B.V.	Ultrafast PECVD and ALD for batteries: silicon anodes, separator coatings, solid state battery encapsulation
P	084	THR	2553354	Annica Isabel Freytag	McMaster University	Comparison of SiOx vs. Si Electrodes from a Multi-Nuclear-Solid-State-NMR Standpoint
P	085	MON	2553365	Sung-Jin Cho	North Carolina Agricultural and Technical State University	Advancing Li Metal Anode Enabled by ZrO ₂ Dual Atomic Layer Deposition
P	086	TUE	2553388	Yoshihisa Furuya	Nissan Motor Co., Ltd.	Expansion analysis of Si-based anode for high energy lithium ion battery
P	087	THR	2553397	Jong-Sung Yu	Daegu Gyeongbuk Institute of Science and Technology (DGIST)	Bicontinuous Spider Network Architecture of Free-Standing MnCoOX@NCF Anode for Li-Ion Battery
P	088	MON	2553417	Alan Christian S. Lim	Myongji University	High CNT-Loaded Nanofiber in a Mixed Polymer Matrix as an Anode Material for Lithium-Ion Battery
P	089	TUE	2553490	Toshiyuki Matsunaga	Kyoto University	Structural Investigation of Lithium-Intercalated Graphite
P	090	THR	2553502	Ryoji Inada	Toyohashi University of Technology	Li ⁺ Insertion/Extraction Properties for TiNb ₂ O ₇ Single Particle Characterized by a Particle-Current Collector Integrated Microelectrode
P	091	MON	2553535	Yun-Jung Kim	KAIST	Facet Selectivity of Li deposition on Cu Current Collector for Anode-free Lithium Metal Batteries
P	092	TUE	2553544	Ji-Yong Eom	Korea Automotive Technology Institute	Surface-Modified Li ₄ Ti ₅ O ₁₂ Anode Materials for High-Power Li-Ion Batteries
P	093	THR	2553555	Yidan Cao	Dalhousie University	A New Synthetic Route for Si _{1-x} O _x : Microstructure, Thermal Stability and Electrochemistry
P	094	MON	2553573	Sheng-Hui Wu	Industrial Technology Research Institute	Highly-stabilized Lithium Metal Anode
P	095	TUE	2553612	Williams Agyei Appiah	Daegu Gyeongbuk Institute of Science and Technology (DGIST)	Mathematical modelling and simulation of the effect of adhesive strength on the cycling performance of silicon electrodes for lithium ion batteries
P	096	THR	2553684	Zhaofeng Deng	The University of Hong Kong	Study on Li ₄ Ti ₅ O ₁₂ /Hierarchical Porous Carbon Composite for Li-Ion Battery
P	097	MON	2553702	Pui-Kit Lee	City University of Hong Kong	Titanium as Atomic Glue to Reduce Intrinsic Volume Expansion of Silicon during Li Alloying
P	098	TUE	2553704	Junyoung Choi	Hanbat National University	Effect of an integrated Separator/Li-metal Assembly on Enhanced Electrochemical Performance of Lithium-Ion Batteries
P	099	THR	2553705	Seok Woo Kim	Hanbat National University	Organic/inorganic Composite Protective Layer Coated Patterned Li-Metal Anode for Lithium Metal Batteries
P	100	MON	2553732	Jong-Soo Cho	North Carolina A&T State University	Ionically Enhanced Silicon Nano Alloy Anode Enabled by Li _{1.3} Al _{0.3} Ti _{1.7} (PO ₄) ₃ Solid State Electrolyte
P	101	TUE	2553795	Shibu P Varghese	Nirmalagiri College	One pot synthesis of Mn ₃ O ₄ /graphene hybrids for high performance lithium ion battery electrodes
P	102	THR	2553798	Sungyun Lee	Kongju National University	CuNb ₂ O ₆ : New Anode Material for Lithium-Ion Batteries
P	103	MON	2553814	Jung-In Lee	Ulsan National Institute of Science and Technology	New artificial interphase with Li-ion pathway between Li metal and electrolytes for secure lithium metal anodes
P	104	TUE	2553846	Shuo Wang	City University of Hong Kong	Study of Sb and Sb-based Chalcogenide with Raman Spectroscopy, X-ray Diffraction and Dilatometry
P	105	THR	2553870	Young Geun Yoo	Seoul National University	Graphene-Based Framework with Disulfide Organic Pillars for Metal-free Electrode Materials for Lithium-Ion Battery
P	106	MON	2553886	Morihiro Saito	Tokyo University of Agriculture & Technology	Effective Activation and Stabilization of Si Negative Electrode by Using a Li Pre-doping Technique
P	107	TUE	2553974	Byeolhee Yoon	Hanbat National University	Improving High rate Electrochemical Performance of Patterned Lithium Metal Anode for Lithium Secondary Batteries by using Dual Salt Electrolyte System.
P	108	THR	2554009	Chong Yan	Beijing Institute of Technology	Dual-Layered Film Protected Lithium Metal Anode to Enable Dendrite-Free Lithium Deposition
P	109	MON	2554028	Dahee Jin	Hanbat National University	Self-Healing Li Metal Anodes Prepared Using Calendered Li Metal Powder for Improving Cycle Life and Rate Capability
P	110	TUE	2554031	Kijae Kim	The University of Tokyo	Lithium Intercalation into MXene with Hydrate Melt Electrolyte
P	111	THR	2554041	Maddipatla Reddyprakash	Kongju National University	Scalable synthesis of Si(FeSi ₂)/C nanocomposite anode material by high-energy mechanical milling for lithium-ion rechargeable batteries
P	112	MON	2554060	Kazuki Yoshii	National Institute of Advanced Industrial Science and Technology (AIST)	Ammonium Salts as an Electrolyte Additive for Lithium Metal Anode
P	113	TUE	2554068	Hyejeong Park	Dong-A university	Synthesis of Porous Si/Carbon Composites for High-Energy Lithium-ion Battery
P	114	THR	2554080	Myungbeom Sohn	Hanyang University	Mechanical Deformation-Assisted Alkaline Etching for Foamed Silicon as a High Performance Lithium Storage Anode
P	115	MON	2554091	Jeonghun Oh	Hanbat National University	Improving The Cycling Performance of LIBs Silicon/Carbon Anodes using Polyimide Binder
P	116	TUE	2554097	Masakazu Haruta	Doshisha University	In-situ AFM Observation of SEI Formation on Si-Thin-Film Negative Electrodes with an Artificial Surface Coating
P	117	THR	2554122	Dong Jae Chung	Hanyang University	Tungsten Oxide Coated Graphite Anode Material for High Rate Capability Lithium-Ion Battery
P	118	MON	2554197	Juhye Song	Hanyang University	Surface Modification of Lithium Metal Electrode in Na-containing SO ₂ Inorganic Electrolyte for Rechargeable Li-SO ₂ battery
P	119	TUE	2554226	Achmad Subhan	Indonesian Institute of Sciences-Research Center for Physics (LIPI)	PREPARATION AND IONIC CONDUCTIVITY OF Li _{3.9} Ca _{0.1} Ti ₅ O ₁₂ USING WASTE CHICKEN EGGSHELLS AS Ca SOURCE FOR ANODE MATERIAL OF LITHIUM ION BATTERIES
P	120	THR	2554236	Nahyeon Kim	Dong-A University	Mesoporous Silicon/Carbon Composites derived from Zeolites for High-Performance Lithium-ion Battery Anodes
P	121	MON	2554275	Yoshaiki Matsuo	University of Hyogo	Charge-discharge behaviors of graphene like graphite for the anode of lithium ion battery
P	122	TUE	2554282	Ching Kit Ho	The University of Hong Kong	Preferential Growth of Li ₄ Ti ₅ O ₁₂ onto (020) Planes of TiO ₂ (B) Towards Highly Reversible and Durable TiO ₂ -Based Li-Ion Battery Anode
P	123	THR	2554321	Thanapat Autthawong	Chiang Mai University	Preparation and Characterization of Silicon-Germanium-Tin Nanocomposites on Nitrogen Doped Reduced Graphene Oxide for Use as Anode materials in Lithium-ion batteries
P	124	MON	2554335	Chirapan Chaikawang	Khonkaen University	Nanomaterials from rice husks to use as an anode for li-ion battery
P	125	TUE	2554452	Andreas Krause	NaMLab gGmbH	In-situ Raman spectroscopy of high capacity 3D Si nanowire electrodes
P	126	THR	2554454	Yuri Surace	Paul Scherrer Institut	Development of SnO ₂ -upgraded graphite electrodes with excellent cycling stability
P	127	MON	2554494	Xiaozhou Cao	Northeastern University / Key Laboratory of Recycling Science for Metallurgical Resource	Nano Tungsten Boride as Anode Material for Lithium Ion Battery Prepared via High Energy Milling Method
P	128	TUE	2554537	Kei Nishikawa	National Institute for Materials Science	Electrodeposition and electrochemical dissolution of Li metal on an ultra-micro-electrode

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P	129	THR	2554542	Jochen Rohrer	TU Darmstadt	Atomistic modelling of Siliconoxycarbide/Silicon composite anodes with high Li capacities and long cycle life
P	130	MON	2554553	Amit Gupta	Indian Institute of Technology	A comparative study of surface kinetics in carbon anodes of Li-ion battery
P	131	TUE	2554598	Tian Tan	City University of Hong Kong	Probing the Reversibility of Silicon Monoxide Electrodes
P	132	THR	2554601	Byong-June Lee	Daegu Gyeongbuk Institute of Science and Technology (DGIST)	Elastic Spongy Graphene-Functionalized Silicon Anode with Excellent Cycle Stability
P	133	MON	2554608	Hyeong-Il Park	Hanyang University.	Porous Si/Carbon Nanofiber (CNF) Hybrid Material as a High Capacity Lithium Storage Material.
P	134	TUE	2554629	Samson Yuxiu Lai	Institut For Energiteknikk (IFE)	Structure-Property Relationships of Silicon Nanoparticles Produced by Free Space Silane Pyrolysis
P	135	THR	2554696	Noriyuki Sonoyama	Nagoya Institute of Technology	Nano-size Metal oxides Synthesized from Layered Double Hydroxides as the Anode Materials for Lithium Ion Battery
P	136	MON	2554727	SunJae Moon	Iwate university	Influence of Cationic Species of TFSA-based on Ionic Liquids on Charge-Discharge Characteristics of Graphite Negative Electrode
P	137	TUE	2554778	Mohammad Furquan	IIT Bombay	Fast and Efficient Synthesis of Sand to Nano-Silicon: Towards Energetic and Friendly Lithium-Ion Battery Application
P	138	THR	2554780	Asbjorn Ulvestad	Institute for Energy Technology / University of Oslo	Amorphous Silicon Nitride - a Novel Anode Material for Li-ion Batteries
P	139	MON	2554796	Hyundong Yoo	Hanyang University	Si Nanocrystal-Embedded SiOx nanofibers for High Performance Li Storage Materials synthesized solution evaporation induced interfacial sol-gel reaction
P	140	TUE	2554822	Qianye Huang	University of Warwick	Dually cross-linked polyacrylic acid/graphene composite polymer as a toughened binder towards silicon electrode in lithium ion battery
P	141	THR	2554829	Hanne Flaten Andersen	Institute for Energy Technology	Degradation Phenomena in Silicon-Carbon Composite Anodes from Industrial Battery Grade Silicon
P	142	MON	2554830	Shang-Sen Chi	University of Science and Technology Beijing	3D Dendrite-free Lithium Metal Anode in a Foam Host
P	143	TUE	2555011	Joonam Park	DGIST	Design Optimization of Micro-patterns in Li Metal Anode
P	144	THR	2555249	Hui Fang	Sam Houston State University	Performance Enhancement of Lithium Ion Battery with Vertically and Horizontally Aligned Graphene Anode
P	145	MON	2555621	Dee Strand	Wildcat Discovery Technologies	Accelerating Silicon Anode Development
P	146	TUE	2556111	Yuren Wen	Chinese Academy of Sciences	Interfacial charges boosted ultrafast discharging of Li4Ti5O12 anode revealed by in-situ electron holography
P	147	THR	2557727	Cong Cong Fang	Shanghai Institute of Space Power Sources	High rate and stable cycling of lithium metal anode
P	148	MON	2558131	Marcin Molenda	Jagiellonian University	Electrochemical properties and structural evolution of starch-based carbon nanostructures as Li-ion anode materials with regard to thermal treatment
P	149	TUE	2558309	Joanna Pacek	Jagiellonian University	Carbogels prepared from starch as new high performance anode materials for lithium-ion batteries
P	150	THR	2558337	Daniel Belanger	Universite du Quebec a Montreal	Silicon Anode Modified by Grafting of Polyacrylic Acid for Li-Ion Batteries.
P	151	MON	2560198	Shuangqiang Chen	Max Planck Institute for Solid State Research	Dual-functionalized double carbon shells coated silicon nanoparticles for high performance lithium ion batteries
P	152	TUE	2560728	Arindam Sannal	Pusan National University	Graphene-analogous Siligene (2D SiGe) as Anode Material for Alkali Metal Ion Batteries.
P	153	THR	2561763	Gyujin Song	Ulsan National Institute of Science and Technology (UNIST)	One-dimensional germanium anode with tunable morphology for high energy and power density lithium-ion batteries
P	154	MON	2562110	Yaolin Xu	Delft University of Technology	Comparison of Metallic Li/Na and Alloying-Based Anodes for High Energy Density Li/Na Batteries
P	155	TUE	2562211	Dragoljub Vrankovic	Technische Universitat Darmstadt	Highly Porous Silicon Embedded in a Ceramic Matrix: A Stable High-Capacity Electrode for Li-Ion Batteries
P	156	THR	2562285	Stephany Natasha Arellano Ahumada	Instituto Politecnico Nacional	Electron Spin Resonance as important tool for understanding the transition metal effect over Lamellar Metal Organic Framework during Charge/Discharge process
P	157	MON	2562577	Ji Hyun Um	Sungkyunkwan University	Rational Material Design for Enhanced Conversion Reaction in Sn-based Nanocomposite Anodes
P	158	TUE	2562595	Haipeng Guo	Institute for Superconducting and Electronic Materials	Capillary induced Ge Uniformly Distributed in N-doped Carbon Nanotubes with Enhanced Li-Storage Performance
P	159	THR	2562779	Duri Kim	Korea Polytechnic University	Improved cycle performance of Cu-coated Sn Powder Negative Electrodes via Simple Galvanic Displacement
P	160	MON	2562783	Haebeen Kim	Korea Polytechnic University	Electrochemical Characteristics of Li Plating Reaction on the Graphite Negative Electrode in Lithium-ion Batteries
P	161	TUE	2563023	Chan-Woo Min	Chonnam National University	Improved Stability and Electrochemical Characteristics of Highly Porous Coral-Like Si Nanoparticles with Carbon Coating
P	162	THR	2563784	Aqsa Nazir	Chonnam National University	In-Situ Growth of Conducting Metal Organic Framework on Silicon Nanoparticles for High Performance Lithium Ion Batteries
P	163	MON	2564440	Joonkyung Jang	Pusan National University	On the Role of a Solid-Electrolyte Interface in the Dendritic Electrodeposition of Lithium
P	164	TUE	2564523	Luxiang Ma	Chinese Academy of Sciences / Peking University	MoS2 Nanosheets Vertically Grown on the Carbonized Corn Stalks for Lithium Ion Battery Anode
P	165	THR	2565588	Bo Jiang	Energy Research Institute of Shandong Academy of Science	Thermodynamic analysis of LiFePO4 precursor prepared by co-precipitation method
P	166	MON	2565594	Jaewook Shin	Korea Advanced Institute of Science and Technology (KAIST)	An Agglomeration Mechanism and a Protective Role of Al2O3 for Prolonged Cycle Life of Si Anode in Lithium-ion Batteries
P	167	TUE	2565873	Hou-Heng Lin	National Tsing Hua University	One-step C and N co-doped on Li4Ti5O12 electrode by atmospheric pressure plasma treatment
P	168	THR	2566141	Jing Cuan	University of Wollongong	Molybdenum Trioxide Embedded in a Novel Mo2C-C Hetero-matrix with a Fibrous Structure for High Capacity and Long Life Lithium Ion Battery
P	169	MON	2566311	Wang Yong	Shanghai Institute of Space Power-Sources	Study on Preparation and Electrochemistry Performance of Fluorinated Li4Ti5O12 Material
P	170	TUE	2566404	Yuta Suzuki	Doshisha University	Interfacial Phenomena for Li Electrodeposition at PC/Liquid Metal
P	171	THR	2566421	Anna Urbanski	Leibniz Institute of Polymer Research Dresden	A Commercial PAA/PVB-based Polymer Binder for Silicon Nanoparticle-Based Lithium-Ion Battery Anodes
P	172	MON	2566422	Ping Li	University of Science and Technology Beijing	Enhanced Cycling-Stability of the SiO-Conductive Polymer Anode for Li-ion Batteries
P	173	TUE	2566488	Mahsa Ebadi	Uppsala University	Modelling the Polymer Electrolyte/Lithium-Metal Interface by First Principle Calculations
P	174	THR	2566505	Min Sung Choi	SungKyunKwan University	Hierarchically Porous Hard Carbon Derived from Biomass for an Electrode Material of Lithium Ion Battery
P	175	MON	2566731	Lei Wen	Chinese Academy of Sciences	Formation at high potentials to suppress performance degradation and gassing of LiMn2O4/Li4Ti5O12 batteries
P	176	TUE	2566899	Huang Xiao	Chinese Academy of Sciences	Ta-LLZO/LZO solid electrolyte for solid-state Li-S battery
P	177	THR	2566917	Carlos Juarez-Yescas	Universidad Autonoma Metropolitana Iztapalapa	Particle size effects on Mesoporous Carbon-SiO2 composites as Lithium Ion Battery anodes
P	178	MON	2567388	Donglin He	University of Science and Technology Beijing	Improved electrochemical performance of SiO-based composite anode for Li-ion battery
P	179	TUE	2567393	Azusa Kamiyama	Tokyo University of Science	High Capacity Hard Carbon Synthesized from Phenolic Resin for Sodium Ion Battery
P	180	THR	2567401	Jae Min Park	Sungkyunkwan University	Microwave synthesis of carbon nanotube-Co-carbon nanotube branched structure for lithium ion battery anode
P	181	MON	2567574	Norihito Kijima	National Institute of Advanced Industrial Science and Technology (AIST)	Electrochemical Properties of Titanium Oxides with Disordered Layer Stacking through Flocculation of Exfoliated Titania Nanosheets
P	182	TUE	2567593	Akane Inoo	Kyoto University	Influence of surface film on the lithium-ion intercalation sites at highly oriented pyrolytic graphite
P	183	THR	2567825	Bangrun Wang	Chinese Academy of Sciences	Facial synthesis of Ge/rGO composite for high-performance lithium ion batteries
P	184	MON	2567875	Yixiao Zhang	Fudan University / Shanghai Power & Energy Storage Battery Tech. Co. Ltd.	Aluminum doped zinc oxide coating for improved electrochemical performance of Li4Ti5O12 anode
P	185	TUE	2567946	Abhinav Tripathi	National University of Singapore	Lithium and Sodium Salts of 2,5 - Pyridine Dicarboxylic Acid as Anode Materials for Secondary Batteries
P	186	THR	2568295	Kuan-Zong Fung	National Cheng Kung University	Behavior/Properties of Electrode Materials for Li Batteries viewing from Defect Considerations
P	187	MON	2582765	Han-Jung Li	Industrial Technology Research Institute	Theoretical study of suppressing anode dendrite growth for high energy density Li ion battery
P	188	TUE	2582793	Sang-Gil Woo	Korea Electronics Technology Institute	Monolithic Corrugated Graphene/Nickel Foam for Lithium Metal Storage
P	189	THR	2583478	Zichao Yan	University of Wollongong	One-pot synthesis of bicrystalline titanium dioxide spheres with a coreshell structure as anode materials for lithium and sodium ion batteries
P	190	MON	2586657	Shiyong Zheng	University of Shanghai for Science and Technology	Partial amorphous tin oxide anchored on 3D hierarchical networks for fully reversible lithium storage
P	191	TUE	2587895	Haitao Zhang	Chinese Academy of Sciences	Fabrication of nanoarchitected TiO2(B)/C/rGO electrode for 4 V quasi-solid-state nanohybrid supercapacitors
P	192	THR	2588894	Yu Zhou	Central South University	Large-scale synthesis of crystalline-amorphous Silicon nanoparticles as anode material for high-performance lithium ion batteries

P	Number	Presentati on Date	Receipt Number	Presenter	Affiliation	Title
P	193	MON	2589928	Abdefettah Lallaoui	University of Mohammed V	LiTi(HPO ₃) ₂ a new polyanion based anode for lithium ion battery
P	194	TUE	2591096	Florian Zoller	Ludwig-Maximilians-Universität Munchen (LMU Munich) / University of Duisburg-Essen	Fast charging high-capacity anodes for lithium-ion batteries based on antimony doped tin oxide/graphene nanocomposites
P	195	THR	2591106	Muhammad Imtiaz	Shanghai Jiao Tong University	In situ growth of β -FeOOH on functionalized porous carbon as anodes for high performance lithium-ion batteries
P	196	MON	2591307	Yaxiang Lu	Chinese Academy of Sciences	Improving the Performance of Pitch-Derived Carbon Anode via Tuning Microstructures and Unraveling the Sodium Storage Mechanism in Disordered Carbon
P	197	TUE	2592161	Andrey Lyalin	National Institute for Materials Science (NIMS)	Soft X-ray Emission Spectroscopy of Crystalline and Amorphous Li _x Si Alloys in Lithium-Ion Batteries: A Theoretical Study
P	198	THR	2594946	Santhoshkumar Palanisamy	Kyung Hee University	Highly efficient scalable synthesis of mesoporous VGCF/NFO hybrid nanocomposite as a negative electrode and their potential application in rechargeable lithium batteries
P	199	MON	2595121	Anna B Gunnarsdottir	University of Cambridge	In situ NMR Studies of Li Microstructure Formation
P	200	TUE	2595178	Yan Zhao	Peking University ShenZhen Graduate School	Conductive Binder for high-capacity anode materials in lithium ion batteries
P	201	THR	2595400	Juho Pekka Valikangas	Kokkola University Consortium Chydenius	Electrochemical performance of USPLD prepared Silicon anode electrodes
P	202	MON	2528426	Artur Tron	Incheon National University	AlF ₃ coatings of the active materials for the aqueous rechargeable lithium-ion batteries
P	203	TUE	2528607	Sebastien Martinet	CEA-LITEN-DEHT	Olivine Manganese Silicate as a New Cathode Material for Li-Ion Batteries
P	204	THR	2536109	Simon Duhnen	University of Muenster	Copper-Based Metal-Organic Frameworks as Cathode Material for Rechargeable Batteries
P	205	MON	2539242	Min-young Kim	Korea Institute of Industrial Technology(KITECH)	The studies of lattice parameter and electrochemical behavior for Li ₃ V ₂ (PO ₄) ₃ /C cathode materials
P	206	TUE	2540318	Yin Zhang	Queensland University of Technology (QUT) / CSIRO Manufacturing, / CRRRC Qingdao Sifang Rolling S	Mind the Band Gap: Experimental determinations and theoretical calculations for LiFePO ₄
P	207	THR	2544700	Hieu Quang Pham	Chungnam National University	A Multi-Functional Binder for High-Capacity Lithium-rich Layered Oxide Battery Cathode
P	208	MON	2545547	Futoshi Matsumoto	Kanagawa University	Synthesis of Water-Resistant Thin TiO _x Layer-Coated High-Voltage and High-Capacity LiNi _{0.8} Co _{0.15} Al _{0.05} O ₂ (a > 0.85) Cathode and Its Cathode Performance to Apply a Water-Based Hybrid Polymer Binder to Li-Ion Batteries
P	209	TUE	2545850	Bin Wang	Xiamen University	Nitrogen and sulfur co-doped porous carbon based on grapefruit skin for lithium-ion batteries
P	210	THR	2546432	Shunsuke Kobayashi	Japan Fine Ceramics Center	Nano-level characterization of the LiFePO ₄ /FePO ₄ interface by scanning transmission electron microscopy
P	211	MON	2547013	Lei Zhu	Shanghai Institute of Space Power-Sources (SISP)	Improvement of electrochemical performance and thermal stability of lithium-ion cell with LiNi _{0.8} Co _{0.15} Al _{0.05} O ₂ cathode material coated by LiFePO ₄ nanoparticles
P	212	TUE	2547471	Wensheng Yang	Beijing University of Chemical Technology	Synthesis of high-energy-density LiMn ₂ O ₄ cathode through surficial Nb doping for lithium-ion batteries
P	213	THR	2547970	Md Ruhul Amin	Hamad Bin Khalifa University	Interfacial characterization and ultrahigh rate performance and long cyclability of high voltage spinel LiNi _{0.5} Mn _{1.5} O ₄
P	214	MON	2548021	Dong Zhang	Jilin University,	High efficiency immobilization of selenium on sulfur-doped porous carbon for Li ₂ Se and Na-Se batteries
P	215	TUE	2549259	Jue Wu	Xiamen University	Exploring the effect of proton on Mn-based Li-rich cathode materials for Li-ion batteries
P	216	THR	2549297	Craig Andrew James Fisher	Japan Fine Ceramics Center	Systematic comparison of LiMPO ₄ (M = Mn, Fe, Co, and Ni) crystal surfaces
P	217	MON	2549453	Huimin Wang	City University of Hong Kong	Energy storage with dissolution/re-deposition of metal ions
P	218	TUE	2549606	Rajesh Rajagopal	University of Ulsan	Facile Hydrothermal Synthesis of Few Layered Ce ? MnO ₂ Coated LiCoO ₂ Cathode Material for Lithium-Ion Batteries
P	219	THR	2549754	Seonghun Jeong	Incheon National University	The effect of Self-induced surface modification of LiCoO ₂ Cathode for High Voltage lithium ion batteries
P	220	MON	2549823	Johannes Betz	University of Munster	A New Way of Pre-lithiating High Voltage Spinel Li _{1+x} Ni _{0.5} Mn _{1.5} O ₄ Cathodes for Compensation of Active Lithium Loss
P	221	TUE	2549828	Katarzyna Redel	AGH University of Science and Technology	High-Performance Li-Rich Layered Transition Metal Oxide Cathode Materials for Li-ion Batteries
P	222	THR	2549866	Philipp Andreas Jehnichen	Forschungszentrum Julich	Operando Raman measurements on LiNi _{0.5} Mn _{1.5} O ₄ cathodes for Li-ion batteries
P	223	MON	2549986	Caihua Jiang	Tsinghua University	Truncated octahedral design to construct high-performance spinel LiMn ₂ O ₄ cathode material for ultrafast and long-life lithium-ion batteries
P	224	TUE	2550085	Theodoor A. Hendriks	University of Twente	Perpetual Battery Cycling for Epitaxial LiMn ₂ O ₄ Thin Film Cathodes
P	225	THR	2550460	Neeraj Sharma	UNSW Sydney	Elucidating the phase, composition and structural evolution of layered positive electrodes using in situ diffraction
P	226	MON	2550550	Di Jia	Shanghai Institute of Space Power-Sources	Na-doped Method of Layered Li _{1.2} Mn _{0.54} Ni _{0.13} Co _{0.13} O ₂ for High Capacity and High-rate Li-ion Batteries
P	227	TUE	2551387	Xiao-Qing Yang	Brookhaven National Laboratory	Chemical segregation observed by TEM in lithium-rich layered cathode material for Lithium-ion batteries
P	228	THR	2551452	Mitsuharu Tabuchi	National Institute of Advanced Industrial Science and Technology (AIST)	Our recent progress for developing high-capacity and Li-excess "Co-free" positive electrode materials with layered rock-salt structure
P	229	MON	2551489	Tatsuya Nakamura	University of Hyogo	Phase evolution of LiMn _{1.5} Ni _{0.5} O ₄ high-voltage cathode under high-rate charge-discharge reaction
P	230	TUE	2551646	Kazunari Soeda	Kansai University	Novel Natural Binder for Ferric Fluoride-based Conversion Cathode
P	231	THR	2551713	Chunyan Lai	Shanghai University of Electric Power	More Stable LiCo _{1/3} Ni _{1/3} Mn _{1/3} O ₂ Cathode Material Coated with Compound of In ₂ O ₃ and SnO ₂ for Lithium Ion Batteries
P	232	MON	2551944	Shoaib Muhammad	Sungkyunkwan University	A comparative study of anionic redox chemistry in 3d and 5d transition metal-based Li-rich cathode materials by synchrotron X-ray techniques
P	233	TUE	2551948	Jaesang Yoon	Sungkyunkwan University	Study of Doping Effect on the Cyclability of LiNi _{0.5} Mn _{1.5} O ₄ - δ Cycled Between 5.0V and 1.0V Using In Situ Synchrotron X-Ray Diffraction
P	234	THR	2551975	Seulki Chae	Seoul National University	Artificially-built passivating film on LiNi _{0.5} Mn _{1.5} O ₄ by molecular layer deposition of (pentafluorophenylpropyl)trimethoxysilane
P	235	MON	2552398	Akihide Kuwabara	Japan Fine Ceramics Center	Ab initio calculations of the phase stability and electronic properties of Li ₂ /3FePO ₄
P	236	TUE	2552486	Katsuya Kimura	National Institute of Advanced Industrial Science and Technology (AIST)	Improvement of the Cyclability for the Cathode Containing an Aqueous Binder by a Pressurized CO ₂ Gas Treatment
P	237	THR	2552487	Wonchang Choi	Korea Institute of Science and Technology	Diffusion-induced surface control by LiNbO ₃ nano-coating layer on LiNi _{0.5} Mn _{1.5} O ₄ cathode material for lithium ion batteries
P	238	MON	2552597	Ryoichi Tatara	Massachusetts Institute of Technology	Towards Stabilizing Positive Electrodes in Li-ion and Li-O ₂ Batteries
P	239	TUE	2552614	Valerie Pralong	Université de Caen, CNRS	NA ₂ MN ₃ O ₇ : A SUITABLE ELECTRODE MATERIAL FOR NA-ION BATTERIES?
P	240	THR	2552626	Antonella Iadecola	Réseau sur le Stockage Electrochimique de l' Energie (RS2E)/CNRS	Approaching the limits of cationic and anionic electrochemical activity with the Li-rich layered rocksalt Li ₃ IrO ₄
P	241	MON	2552645	Pinar Karayaylali	Massachusetts Institute of Technology	The Oxide/Electrolyte Interface Formation in Li-ion batteries
P	242	TUE	2552778	Dongik Yoo	Hanyang University	PEDOT conformal coating on prepared electrode for high performance Lithium-ion battery via Vapor Reaction Printing
P	243	THR	2552800	Takahito Sato	Tokyo Denki University	Synthesis and Electrochemistry of Cation-Disordered Rocksalt-Type LiMnO ₂
P	244	MON	2552801	Carmen Cavallo	Chalmers University of Technology / CSIRO Mineral Resources	Freestanding r-GO aerogel discs and their performance as electrodes in fluorine free Li-S battery catholyte
P	245	TUE	2552861	Gaurav Assat	College de France, Chimie du Solide et de l'Energie	Lowered Energy Efficiency in Anionic-Redox-based Li-rich Cathodes ? What are its Origins?
P	246	THR	2552877	Rajendra Kumar Singh	Banaras Hindu University	Development of High capacity cathode materials for lithium ion batteries
P	247	MON	2552906	Hiroshi Senoh	National Institute of Advanced Industrial Science and Technology (AIST)	Development of Conversion-Type FeF ₃ Cathode in Rechargeable Lithium Battery (1): Degradation Factors of FeF ₃ Cathode
P	248	TUE	2552940	Doron Aurbach	Bar-Ilan University	Studies of Cathode Materials for Lithium-Ion Batteries in Bar-Ilan University: Recent Advances and Challenges
P	249	THR	2552949	Yang Yu	MIT	Understanding the interface reactivity and reaction mechanisms between Ni-rich LiNi _x MnyCo _{1-x-y} O ₂ cathodes and PF ₆ -based carbonate electrolyte in Li-ion batteries
P	250	MON	2552950	Denis Y.W. Yu	City University of Hong Kong	High-voltage High-power Battery Cathode Based on PF ₆ - Intercalation into Graphite
P	251	TUE	2552988	Yasushi Idemoto	Tokyo University of Science	Average and Local Structure Change of 0.4Li ₂ MnO ₃ -0.6LiMn _{1/3} Ni _{1/3} Co _{1/3} O ₂ during First Discharge Process depend on Operating Temperature
P	252	THR	2553118	B. Markovsky	Bar-Ilan University	Studies of the Electrochemical Behavior of LiNi _{0.8} Co _{0.15} Al _{0.05} O ₂ Electrodes Coated with LiAlO ₂
P	253	MON	2553150	Miho Sawamura	Tokyo Denki University	Li ₃ PO ₄ integrated LiMnO ₂ as High Capacity Positive Electrode Materials
P	254	TUE	2553163	Norikazu Yoshinaga	Tokyo University of Science	Effect of Tungstate Additive into NMC Cathode for Li-Ion Batteries
P	255	THR	2553194	Julian Zahnow	Justus-Liebig-University	Partial conductivities of single NCM-111 secondary particles and sintered pellets
P	256	MON	2553196	Yu Katayama	Massachusetts Institute of Technology / Yamaguchi University	Probing interfacial reaction pathways between cathodes and PF ₆ -based carbonate electrolyte in Li-ion batteries through in-situ spectroscopic technique

P	Number	Presentati on Date	Receipt Number	Presenter	Affiliation	Title
P	257	TUE	2553251	Jhao-Yi Wu	Chung Yuan Christian University	A facile and green process to synthesize few layer graphene/LiFePO4 composite cathodes for Lithium-ion batteries
P	258	THR	2553328	Yutong Li	Tsinghua University	Lithium vanadate hydrates with high lithium storage capacity and superior rate capability
P	259	MON	2553333	Rohit Satish	Nanyang Technological University	In-operando X-ray Diffraction based study of Lithium rich layered oxides, Li2Ru1-xTm0.3O3, at high-rate charging conditions
P	260	TUE	2553355	Sung-Jin Cho	Joint School of Nanoscience and Nanoengineering / North Carolina Agricultural and Technical State University	Structural Evolution of Lithium Deficient Li _x Ni _y Mn _z Co _{1-y-z} O ₂ (x < 1) Cathode Materials by in situ XRD
P	261	THR	2553356	Deepak Pratap Singh	University of Twente	Tuning Crystal Orientation In Layered Oxide Thin Films For High Performance Li-ion Battery
P	262	MON	2553427	Hanshuo Liu	McMaster University	Unravelling the Rapid Performance Decay of Lithium-Rich High-Energy Cathode
P	263	TUE	2553482	Jaeseong Hwang	Ulsan National Institute of Science and Technology (UNIST)	Discovering the direct reason of voltage decay in Li/Mn-rich cathode material
P	264	THR	2553646	Shiyao Zheng	Xiamen University	Synthesis, structure and electrochemical performance of Ni-substituted Ru-based Li-rich Cathode Materials (Li ₂ Ru _{1-x} Ni _x O _{3-δ})
P	265	MON	2553722	Gi-Hyeok Lee	Dongguk University	Exploring anionic redox reactions of non-overlithiated layered oxides: LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂
P	266	TUE	2553749	Jong Soo Cho	North Carolina Agricultural and Technical State University	Highly ionically conductive polymer binder for lithium-ion batteries
P	267	THR	2553769	Wooyoung Jin	Ulsan National Institute of Science and Technology (UNIST)	Fundamental Understanding the Relationship Between Oxygen Vacancies and Structure Degradation for Cathode Materials in Lithium-Ion Batteries
P	268	MON	2553777	Juvenio Vazquez Samperio	Centro de Investigacion en Ciencia Aplicada y Tecnologia Avanzada del Instituto Politecnico Nacional / Instituto Politecnico Nacional	Improve the energy storage capacity of NiPBA by the interaction between framework and mesoporous carbon.
P	269	TUE	2553817	Miguel Angel Oliver-Tolentino	Unidad Profesional Interdisciplinaria de Biotecnologia, IPN	Modification of electronic interaction in Manganese Hexacyanoferrate by Co, Ni and Fe substitution and their effect over electrochemical stability in sodium ion batteries
P	271	MON	2554025	Yuxuan Zuo	Peking University	A high-capacity Li-rich cathode material with a single-layer Li ₂ MnO ₃ superstructure
P	272	TUE	2554039	Ming Tang	Rice University	Stress-Induced Phase Boundary Instability and Its Effect on the Performance of Lithium Intercalation Compounds
P	273	THR	2554120	Yo Kobayashi	Central Research Institute of Electric Power Industry	Reversible and irreversible reaction of LiMn _{1.5} Ni _{0.5} O ₄ with >200 mAh g ⁻¹ capacity
P	274	MON	2554139	Akira Yano	National Institute of Advanced Industrial Science and Technology	HAXPES Study of Surface Films on LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ Positive Electrode Charged/discharged with Different Voltage Ranges
P	275	TUE	2554152	Naeun Yoon	Dong-A University	Sulfur-Loading in Hollow Carbon Capsules for Li-S Battery Cathodes
P	276	THR	2554158	Hojae Jung	Hanyang University	Room-Temperature Na-CuCl ₂ Secondary Battery by Using Incombustible Liquid Inorganic Electrolyte
P	277	MON	2554170	Woosuk Cho	Korea Electronics Technology Institute	Surface Doping for Improved Thermal Properties of Ni-rich Layered Cathode for Lithium Ion Batteries
P	278	TUE	2554185	Eriko Watanabe	The University of Tokyo	Combined computational and experimental NMR analyses on Na _{2-x} RuO ₃
P	279	THR	2554255	Bo-Yi Lee	Tatung University	Investigation of metal dissolution of LiNi _{0.5} Mn _{1.5} O ₄ based cathode materials in lithium ion batteries
P	280	MON	2554256	Hoon-Hee Ryu	Hanyang University	Investigation on Capacity Fading Mechanism of LiNiO ₂ Cycled above 4.2 V
P	281	TUE	2554264	Che-an Lin	National Cheng Kung University	An ab initio study on multi-principle-element layered oxides as cathode materials in Li ion batteries
P	282	THR	2554304	Won G. Hong	Korea Basic Science Institute	Reduced graphene oxide/vanadium oxide nanobelts as a cathode material for lithium-ion battery
P	283	MON	2554309	Yumi H. Ikuhara	Japan Fine Ceramics Center	Microstructural changes in cathodic LiCoPO ₄ thin films during electrochemical cycling
P	284	TUE	2554311	Patcharapohn Chantrasuwan	Khon kaen University	Spectroscopic fingerprints of site occupancy of Cations in LiMPO ₄ cathode material for Li-ion batteries
P	285	THR	2554328	Andreas Würsig	Fraunhofer-Institut für Siliziumtechnologie	High load NCM-622 cathodes based on a solvent-free coating process
P	286	MON	2554333	Sang Hyuk Lee	Research Institute of Industrial Science and Technology (RIST)	A study on the Production of Li _{1.0} (Ni _{0.83} Co _{0.12} Mn _{0.05})O ₂ Cathode materials Using a Novel Taylor-Couette Flow Reactor Process
P	287	TUE	2554374	Songyoot Kaewmala	Khon Kaen University	Influences of Li ₂ MnO ₃ Domain Size and Current Rate on the Electrochemical Properties of 0.5Li ₂ MnO ₃ 0.5LiCoO ₂ Cathode Material
P	288	THR	2554380	Elise Ramleth Oestli	The Norwegian University of Science and Technology (NTNU)	High-voltage cathode material for Li-ion batteries stabilized by surface coating
P	289	MON	2554411	Kentaro Kuratani	National Institute of Advanced Industrial Science and Technology (AIST)	Study on improvement of cycle properties of TiS ₄ positive electrode
P	290	TUE	2554412	Jan Oliver Binder	Justus-Liebig-Universität Gießen	Structural and electrochemical investigations of fluorine doped LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂
P	291	THR	2554416	Juliette Marie Billaud	Paul Scherrer Institut	Morphological changes of Li-rich Ni, Mn, Co oxides upon cycling using X-ray ptychographic tomography
P	292	MON	2554431	Jung Jin Kang	Ulsan TechnoPark	Study of gas analysis depend on sintering conditions of Ni-rich(96%) precursor on Li ion battery
P	293	TUE	2554433	Kentaro Yamamoto	Kyoto University	Charge Compensation Mechanism in Li-Excess Oxides with Different Ionic or Covalent Characters
P	294	THR	2554477	Bambang Prihandoko	Research Center for Physic LIPI	Substitution silicon on phosphorus in LiFePO ₄ to improve the performance of cathode active material
P	295	MON	2554481	Jian Kang	Kyoto University	Relaxation Analysis of Li _x (Ni _{0.874} Co _{0.090} Ai _{0.036})O ₂ (x = 0.06)
P	296	TUE	2554491	Un-Hyuck Kim	Hanyang University	Next generation High nickel Core-Shell structure Cathode (Li[Ni _{0.95} Co _{0.025} Mn _{0.025}]O ₂) for Long term cycling and High-Energy Density Lithium-Ion Batteries
P	297	THR	2554612	Christian Dellen	Forschungszentrum Jülich GmbH / Jülich Aachen Research Alliance: JARA Energy	LiCoMnO ₄ as cathode material for 5 V solid state thin film Li batteries prepared by magnetron sputtering
P	298	MON	2554666	Sylvio Indris	Karlsruhe Institute of Technology	Direct Observation of Electrochemically Active Fe(3+)/Fe(4+) in LiCo(0.8)Fe(0.2)MnO(4) by in situ Moessbauer Spectroscopy and in situ X-Ray Absorption Spectroscopy
P	299	TUE	2554683	Iratxe de Meatz	CIDETEC, Parque Tecnológico de San Sebastian	High voltage Li-ion cell development based on aqueous processing of mixed manganese phosphate cathode and stable electrolytes
P	300	THR	2554689	Bernhard Gadermaier	Graz University of Technology	When batteries go viral ? a bionanotechnological approach
P	301	MON	2554697	Jieun Kim	POSTECH	Understanding capacity fading mechanism in Ni-rich layered oxide cathodes
P	302	TUE	2554779	Yoshitaka Tateyama	National Institute for Materials Science / Kyoto University	First-Principles Study on Adsorption and Decomposition of Carbonate Electrolyte Molecules at LiNi _{0.5} Mn _{1.5} O ₄ Cathode Interface
P	303	THR	2554783	Martijn van Hulzen	Delft University of Technology	In-operando microbeam X-ray diffraction of individual grains in LIB batteries
P	304	MON	2554897	Daniel Risskov Sorensen	University of Southern Denmark	Phase transformations during battery operation in vanadium phosphate cathode materials
P	305	TUE	2555034	Satoshi Hashigami	The Kansai Electric Power Co., Inc. / Doshisha University	Influence of lithium boron oxide coating on improved cycling stability in lithium-ion battery cathode
P	306	THR	2555085	Hiroshi Senoh	National Institute of Advanced Industrial Science and Technology (AIST)	Development of Conversion-Type FeF ₃ Cathode in Rechargeable Lithium Battery (2) Improving Effect of Electrolyte Solution on Cycle Performance of FeF ₃ Cathode
P	307	MON	2556702	Yukihiro Kato	Doshisha University	Improvement of structural stability of LiNi _{0.5} Co _{0.2} Mn _{0.3} O ₂ cathode against high-voltage cycling by lithium silicate modification
P	308	TUE	2557047	Thomas Andrew Wynn	University of California, San Diego	Defect-Driven Degradation Mechanisms in Li-Rich Cathodes Materials
P	309	THR	2557286	Hamidreza saneifar	Universite du Quebec a Montreal	Modified Carbon as Additive for High Potential Li-Ion Cathode
P	310	MON	2557747	Carlos Enrique Moreno Crespo	Instituto Politecnico Nacional	Effect of Mn and Co interaction in Hexacyanoferrate over electrochemical behavior as cathode in Sodium Ion Batteries
P	311	TUE	2558283	Weronika Marszalowicz	Jagiellonian University	Effect of doping of lithium manganese spinel on manganese solubility in liquid electrolyte
P	312	THR	2559492	Tatsuo Horiba	Tokyo University of Science	SBR-based Binders for High-voltage Positive Electrodes of Lithium-ion Batteries
P	313	MON	2559560	Ryota Kido	GS Yuasa International Ltd.	Analysis of Deterioration Mechanism of Li-rich Layered Oxide Positive Active Materials after Long Charge/Discharge Cycles
P	314	TUE	2559565	Yuichi Ikeda	GS Yuasa International Ltd.	Deterioration Analysis of Li-rich Layered Oxide Positive Active Materials with Different Composition after Charge/Discharge Cycling Test
P	315	THR	2559894	Ryoji Matsui	Ritsumeikan University	Charge-discharge Mechanism of Lithium-Poor Lithium Iron Silicate
P	316	MON	2560056	Krystian Daniel Chudzik	Jagiellonian University	Electrochemical performance of carbon-coated K, Ni and S doped lithium manganese oxide spinel
P	317	TUE	2560157	Michał Świątosławski	Jagiellonian University	Outstandingly improved electrochemical performance of new LiMn ₂ O ₄ -based Li-ion cathode materials by simultaneous doping with K and Ni
P	318	THR	2560981	Robert A House	University of Oxford	Lithium manganese oxyfluoride as a new cathode material exhibiting oxygen redox
P	319	MON	2561071	Liang Li	Argonne National Laboratory	Understanding Oxygen Redox Activity in Li-Rich Cathode Materials: An Experimental and Theoretical Core-Level Spectroscopic Study
P	320	TUE	2561936	Ayaulym Belgibayeva	Tokyo Institute of Technology	Synthesis and Characterization of Li ₂ MnSiO ₄ /C Composite Fibers by Electrospinning with Heat Treatments
P	321	THR	2561959	Izumi Taniguchi	Tokyo Institute of Technology	Microwave-Assisted Hydrothermal Synthesis and Electrochemical Characterization of CuS Electrode for Lithium Batteries

P	Number	Presentati on Date	Receipt Number	Presenter	Affiliation	Title
P	322	MON	2561985	Malachi Noked	Bar Ilan University	Suppression of Electrode Material Degradation by Using Surface Modifications Techniques
P	323	TUE	2562467	Hyeon Jeong Lee	Seoul National University	Off-Stoichiometry-Induced Surface Protective Layer for High Performance Layered Lithium Cobalt Oxide
P	324	THR	2562803	Shuai Liu	Chinese Academy of Sciences	Surface Doping Enhanced Electrochemical Performances of Li-rich Layered Materials
P	325	MON	2562873	Filipe Marques Mota	Ewha Womans University	Tuning Catalytic Properties via Electronic Reconstruction at the Interface of Immobilized Gold Nanoparticles on Layered Titanate Nanosheets
P	326	TUE	2563865	Weibo Hua	Karlsruhe Institute of Technology (KIT)	Controlled synthesis of hierarchical layered cathode materials for advanced lithium ion batteries
P	327	THR	2564529	Rene Hausbrand	Technical University of Darmstadt	Investigations of cathode-electrolyte interfaces by a surface science approach: recent insights from model experiments and analysis of composite electrodes
P	328	MON	2564885	Ayuko Kitajou	Kyushu University	Improvement of FeF ₃ cathode properties by adding V ₂ O ₅ -P ₂ O ₅ glass system for Li-ion batteries
P	329	TUE	2565447	Jongwoo Lim	Seoul National University	Revealing Spatio-dynamics of lithium battery by synchrotron-based x-ray microscopy
P	330	THR	2565815	Miguel Angel Oliver-Tolentino	ESIQIE-IPN	Nickel Hexacyanoferrate electrodeposited on Ti as electrode for Mixing Entropy Batteries for energy extraction from water salinity gradient.
P	331	MON	2565904	Gai Yang	Qilu University of Technology (Shandong Academy of Sciences)	Preparation of LiMn ₂ O ₄ Cathode material via Plasma-enhanced Chemical Vapor Deposition method
P	332	TUE	2565947	Changgeun Bae	Pohang University of Science and Technology (POSTECH)	Understanding electrochemical activity of LiNiO ₂ positive electrode material for achieving high capacity
P	333	THR	2566075	Junichi Hata	Tokyo Institute of Technology	ZrO ₂ -x surface modification on LiCoO ₂ film using arc plasma deposition
P	334	MON	2566201	Erik Bjorklund	Uppsala University	Post mortem investigation of ageing in NMC based cells cycled at different temperatures
P	335	TUE	2566205	Daisuke Okuda	Kansai University	Electrochemical characteristics of Co-doped Li ₅ AlO ₄ as novel cathode active material with high capacity density
P	336	THR	2566250	Yuan Zhou	Chinese Academy of Sciences	Study on K ⁺ Doped Modification of Li _{1.2} Ni _{0.13} Co _{0.13} Mn _{0.54} O ₂ Materials for lithium ion battery
P	337	MON	2566266	Jing Wang	Xiamen University	The electrochemical degradation mechanism and thermal behaviors of the stored LiNi _{0.5} Co _{0.2} Mn _{0.3} O ₂ cathode materials
P	338	TUE	2566301	Ying Luo	Shanghai Power & Energy Storage Battery System Engineering Tech. Co. Ltd. / Shanghai Engineering Center for Power and Energy Storage Systems	Octahedral and porous spherical ordered LiNi _{0.5} Mn _{1.5} O ₄ spinel: the role of morphology on electrochemical properties and electrode/electrolyte interface
P	339	THR	2566333	Hou Xuwang	Shanghai Institute of Space Power-Sources	Surface Fluorination of Mn-based Li-rich Cathode Material Li _{1.15} Ni _{0.17} Co _{0.11} Mn _{0.57} O ₂
P	340	MON	2566439	Jue Liu	Oak Ridge National Laboratory	On the nature of O-O dimer in overcharged lithium/sodium layered oxide cathode
P	341	TUE	2566540	Dae-wook Kim	Shinshu University	Interface Engineering using Ultra-thin Self-assembled Monolayers as Surface Modifiers for High-voltage Spinel-based Lithium Ion Batteries
P	342	THR	2566758	Liang Yin	Brookhaven National Laboratory / Stony Brook University	Quantification and Prediction of NMC Defect Concentrations
P	343	MON	2566800	Peter Khalifah	Stony Brook University / Brookhaven National Laboratory	In Operando Depth Profiling Studies of Thick NMC Cathodes
P	344	TUE	2567356	Zhen Yu	University of Science and Technology of China	Mitigating voltage decay of Li-rich layered oxide by introducing 5d-metal Rhenium
P	345	THR	2567363	Biao Li	Peking University	Activation Mechanism of Anionic Redox in the Cathode Electrodes of Li-Ion Batteries
P	346	MON	2567723	Hui Zhan	Wuhan University	Monomolecular Organic electrode material for energy storage
P	347	TUE	2567755	Noritaka Kimura	Shizuoka University	Synthesis and charge-discharge properties of LiF-NiMn _{1-x} O composite as a cathode material for Li-ion batteries
P	348	THR	2567789	Michael Li	Hong Kong University of Science and Technology	Microwave-Assisted Solvothermal Synthesis of LiFePO ₄ as Cathode Material of Lithium Ion Battery
P	349	MON	2567925	Hongze Luo	Council for Scientific and Industrial Research	Surface Modification for Enhanced Cycling Performances of Lithium-manganese-rich layered oxides
P	350	TUE	2567988	Matthew David Lloyd	WMG	Effect of manufacturing conditions on the efficacy of NaNi _{1/3} Mn _{1/3} Fe _{1/6} O ₂
P	351	THR	2568035	Guohua Chen	The Hong Kong University of Science and Technology / The Hong Kong Polytechnic University	Microwave-Assisted Solvothermal Synthesis of LiFePO ₄ as Cathode Material of Lithium Ion Battery
P	352	MON	2568585	Joeeun Hyoung	DGIST	Investigation of a new lithium-free cathode material exhibiting outstanding of energy density
P	353	TUE	2568843	Juhyeon Ahn	Korea Institute of Science and Technology	Stabilized Lithium-Rich Layered Cathode Materials for High-Rate Lithium-Ion Batteries
P	354	THR	2568881	Haoran Sun	University of South Dakota	Fluoropolymers for Binder-Free High Capacity Cathodes
P	355	MON	2587195	Wanlin Wang	University of Wollongong	Effect of heat-treatment on Li ₂ ZrO ₃ -coated LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ and its high voltage electrochemical performance
P	356	TUE	2587444	Chia Chin Chang	National University of Tainan / Lithium ion battery R&D center / National Cheng Kung University	Molybdenum modified on 0.5Li ₂ MnO ₃ -0.5LiNi _{0.33} Co _{0.33} O ₂ cathode for high-voltage lithium-ion battery
P	357	THR	2587459	Peter M. Zehetmaier	University of Munich (LMU)	Faster Lithium Insertion in Lithium Cobalt Oxide Cathodes by Nanostructuring
P	358	MON	2587472	Matthieu Saubanere	Institut Charles Gerhardt, CNRS - Universite- de Montpellier / Re-seau sur le stockage Electrochimique de l' Energie (RS2E),CNRS FR3459	A first-principle approach for electrochemical stress and strain developed on electrode materials for Li-ion batteries.
P	359	TUE	2588599	So Hee An	Ewha Womans University	RuO ₂ Inverse Opal Cathodes for High-Performance Li-O ₂ Battery
P	360	THR	2588839	Ye Li	Tokyo Institute of Technology	Electrochemical Performance of LiCoPO ₄ /C Composites Prepared from Various Carbon Sources by Using a Combination of Aerosol and Powder Technologies Followed by Heat Treatment
P	361	MON	2589794	Yuka Shinmei	University of Hyogo	Electrolyte Effect on Electrochemical Properties of LiMn ₂ O ₄ Evaluated with Impedance Measurements
P	362	TUE	2590253	Yuta Irii	Nihon Kagaku Sangyo Co., Ltd.	Development of NCA cathode material with enhanced gelation resistance
P	363	THR	2590536	Motoyuki Hamaguchi	Osaka University	First-Principles Study on Cathode Properties of Li-excess Rock-Salt Type Li _{2+2x} Mn _{1-x} Ti _{1-x} O ₄
P	364	MON	2591666	Lianqi Zhang	Tianjin University of Technology	Synthesis and Electrochemistry of Layered-Spinel Composite Li _{1.2} M _{0.4} Mn _{0.4} O ₂ -LiMnO ₄ (M=Co and Cr) Cathode Materials
P	365	TUE	2594351	Jiangtao Hu	Peking University Shenzhen Graduate School	Single-particle Performances and Properties of LiFePO ₄ Nanocrystals for Li-ion Batteries
P	366	THR	2594962	Hyunjeong Oh	Korea Advanced Institute of Science and Technology and Advanced Battery Center	Degradation mechanism of LiCoO ₂ in aqueous lithium-ion batteries
P	367	MON	2595034	Masatsugu Oishi	Tokushima University	Electronic State Analysis of Oxygen Anion of 3d Transition Metal Layered Oxide Materials
P	368	TUE	2595102	Farheen N Sayed	Indian Institute of Science	Positive side of Li-ion battery: An investigation of Cathode and Current Collector
P	369	THR	2595228	Line Holten Kollin	Haldor Topsoe A/S	Development of high voltage Li _{1.0} Ni _{0.5} Mn _{1.5} O ₄
P	370	MON	2595381	Jiajie Liu	Peking University Shenzhen Graduate School	Tuning of Thermal Stability and Ni/Li Disorder in Layered Li(Ni _x Mn _y Co _z)O ₂
P	371	TUE	2595481	Feng Pan	Peking University, Shenzhen Graduate School	Insight into Fast Li diffusion in Li-excess spinel lithium manganese oxide
P	372	THR	2595554	Zongxiang Hu	Peking University	Inorganic Aromaticity of Mn ₆ -Ring Cluster in Layered Li(Ni _{0.5} Mn _{0.5})O ₂
P	373	MON	2595828	William Elliott Gent	Stanford University / Lawrence Berkeley National Laboratory	Origin of the Coupling between Anion Redox and Structural Transformations in Lithium-Rich Layered Oxides
P	374	TUE	2541208	Weishan Li	South China Normal University	Improving low temperature rate capability of graphite/high nickel oxide batteries by constructing interfacial films from electrolyte additive
P	375	THR	2543082	Qingwen Lu	Guangdong Dynavolt Renewable Energy Technology Co., Ltd	3D Network Ceramic-Polymer Hybrid All-Solid-State Electrolytes for Lithium Metal Batteries
P	376	MON	2546327	Daisuke Mori	Mie University	Synthesis, Structure and Ionic Conductivity of Sr-substituted Li ₆ 25Ga _{0.25} La ₃ Zr ₂ O ₁₂ with garnet-type structure
P	377	TUE	2546710	Kang Yao	Florida State University	Ethylene Carbonate-Free Fluoroethylene Carbonate-Based Electrolyte Works Better for Freestanding Si-Based Composite Paper Anodes for Li-Ion Batteries
P	378	THR	2548057	Ya Mao	Shanghai Institute of Space Power-Sources	Novel fluorinated phosphate electrolyte additive for safe lithium ion battery
P	379	MON	2548103	Patrick Hofmann	Justus-Liebig-University Giesen	Interfacial observation between Li _{1.5} Al _{0.5} Ti _{1.5} (PO ₄) ₃ and LiCoPO ₄ thin films prepared by pulsed laser deposition using SIMS and XPS
P	380	TUE	2548276	Ryansu Sai	Yamaguchi Univ.	Li ⁺ transport properties in poly(oxetane) electrolytes having nitrile groups
P	381	THR	2549078	Satya Prakash Dubey	University of Warwick	Inside-out investigation of Li-Ion batteries and Beyond: Theoretical and Computational Chemistry Approach
P	382	MON	2549250	Weimin Zhao	Xiamen University	Investigation of Lithium difluorophosphate as a novel salt-type Electrolyte Additive for LiNi _{0.5} Mn _{0.25} Co _{0.25} O ₂ cathodes
P	383	TUE	2549928	Piotr Jankowski	Chalmers University of Technology / Warsaw University of Technology / ALISTORE-ERI European Research Institute	Sulfur-Containing SEI-formers ? from DFT Predictions to Full Cell Assessments
P	384	THR	2550158	Taiguang Richard Jow	U.S. Army Research Laboratory	Impact of Electrolyte Additives on the Li ⁺ Charge Transfer Kinetics in Li-ion Batteries
P	385	MON	2550347	Lan Zhang	Chinese Academy of Sciences	Novel Solvation Ionic Liquid Based Electrolyte for Ni-Rich NCM Batteries

P	Number	Presentati on Date	Receipt Number	Presenter	Affiliation	Title
P	386	TUE	2550919	Tomohiro Obukata	The University of Tokyo	Controlling the coordination states of electrolyte solutions for reversible lithium metal plating/stripping
P	387	THR	2551094	Zhengqi Wang	Karlsruhe Institute of Technology / Laboratory for Materials Process Technology	Safe carbonate-based electrolytes for lithium-ion batteries
P	388	MON	2551281	Gregory Salitra	Bar-Ilan University	Fluoroethylene Carbonate as an Important Component for the Formation of an Effective Solid Electrolyte Interphase on Anodes and Cathodes for Advanced Li-Ion Batteries
P	389	TUE	2551351	Federico M Pesci	Imperial College London	Electrochemical and chemical analysis of dendrites formation in Al- and Ga- doped Li ₇ La ₃ Zr ₂ O ₁₂
P	390	THR	2551564	Yang Sun	National Institute for Materials Science	Density functional theory molecular dynamics simulation on the tetraglyme based electrolytes for lithium batteries
P	391	MON	2551793	Cyril Babu Dzakpasu	Daegu Gyeongbuk Institute of Science and Technology	Effects of fluorinated linear carbonates on high-voltage performance of lithium ion cells
P	392	TUE	2551937	Sang Hyun Lee	Hanyang University	Enhancing electrochemical performance of high voltage (4.6V) Li metal/LiNi _{0.5} Mn _{0.3} Co _{0.2} O ₂ cell by the novel additive [4,4'-bi(1,3,2-dioxathiolane) 2,2'-dioxide] in the lithium ion batteries
P	393	THR	2552279	Kyosuke Doi	The University of Tokyo	Reversible sodium metal plating/stripping in a fluorine-free electrolyte
P	394	MON	2552471	Josef Maca	Institute of Scientific Instruments of the CAS, v. v. i / Centre for Research and Utilization of Renewable Energy / Brno University of Technology	Advanced Low-flammable Electrolytes
P	395	TUE	2552600	Preston Sutton	Adolphe Merkle Institute	Glass Transition, Molecular Weight, and Structure: How Lithium Conductivity is Influenced in ISO Electrolytes
P	396	THR	2552601	Marshall A. Schroeder	U.S. Army Research Laboratory (ARL)	A Carbonate-Free, Sulfone-Based Electrolyte for HV Lithium Batteries
P	397	MON	2552644	Adriana M. Navarro-Suarez	Chalmers University of Technology	Semi-solid Li-S battery electrolytes based on hyper-valent solvents
P	398	TUE	2552727	Ryo Ishikawa	University of Tokyo	Grain Boundary Resistance at (La,Li)TiO ₃ Grain Boundary
P	399	THR	2552799	Alok Kumar Tripathi	Banaras Hindu University	Ionic liquid and Lithium salt immobilized MCM-41 based quasi solid-liquid electrolytes for lithium battery application
P	400	MON	2552938	Pooja M Panchmatia	Loughborough University	High lithium ion diffusion in Al doped lithium phosphosilicate Li ₂ SiP ₂ : a solid Li electrolyte material
P	401	TUE	2552975	Shun Sasano	University of Tokyo	Li-ion Conduction Measurement at Polycrystalline LLTO Grain Boundaries by Electrochemical Strain Microscopy
P	402	THR	2553043	Kasumi Miyazaki	University of Tokyo	Microscopic Origin of the SEI Formation Difference Between in Cis- and in Trans-2,3-Butylene Carbonate Based Electrolyte
P	403	MON	2553103	Li Wang	Tsinghua University	Heterostructured Electrolyte for High Energy Lithium Ion Batteries
P	404	TUE	2553115	Berik Uzakbauly	National Laboratory Astana	Optimization of deposition parameters for thin film lithium phosphorus oxynitride (Lipon)
P	405	THR	2553134	Tong Zhang	Helmholtz-Institut Munster (HIMS)	Effect of Salt Concentration on Sulfone-Based Electrolytes for Secondary Lithium Batteries
P	406	MON	2553152	Ann Mari Svensson	NTNU	Boron Based Anion Receptor as Electrolyte Additive for Li-Ion Batteries
P	407	TUE	2553242	Stephen Laurence Glazier	Dalhousie University	The effect of methyl acetate, ethylene sulfate, and carbonate blends on the parasitic heat flow of NMC532/graphite lithium ion pouch cells
P	408	THR	2553331	Haonan Yu	Dalhousie University	CO ₂ as Electrolyte additive
P	409	MON	2553357	Jeng-Yu Lin	Tatung University	Effect of propargyl methacrylate as electrolyte additive on electrochemical performances of mesoporous carbon microbead based anodes at elevated temperature
P	410	TUE	2553497	Jonathan Charles Clarke-Hannafo	RMIT University	Before Cycling, the Interaction of Tetrafluoroborate Ionic Liquid on the Li(001) Surface
P	411	THR	2553542	Sahori Takeda	National Institute of Advanced Industrial Science and Technology	Ion Migration Property of PVDF-type Polymer Gel Electrolyte for Lithium Ion Battery
P	412	MON	2553619	J. David Bazak	McMaster University	Multi-Temperature In Situ Magnetic Resonance Imaging of Polarization and Salt Precipitation in Li-Ion Battery Electrolytes
P	413	TUE	2553680	Ziyang Cao	Doshisha University	Low-viscosity concentrated LiBF ₄ -based electrolyte solutions for LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ positive electrodes in lithium-ion batteries
P	414	THR	2553717	Norio Takenaka	Kyoto University / Nagoya University	Microscopic Mechanisms of SEI Film Formation in Li-Ion Batteries with Highly Concentrated Electrolyte
P	415	MON	2553815	Eun Ji Park	Hanyang University	The enhanced high cut-off voltage electrochemical performances of full cell by electrolyte additives
P	416	TUE	2553831	Jinhong Lee	Korea Advanced Institute of Science and Technology	Tuning the solid electrolyte interfacial layer of lithium metal anode with fluoroethylene carbonate-based electrolytes toward high cycling stability of Li metal batteries
P	417	THR	2553832	Sollee Kim	Kongju National University	Additive Effect of Electrolyte on Electrochemical Reactions in Lithium-Sulfur Batteries
P	418	MON	2553837	Seongjae Ko	The University of Tokyo	A passivation mechanism in hydrate-melt electrolytes for high-voltage aqueous lithium-ion batteries
P	419	TUE	2553918	Sung-Jin Cho	Joint School of Nanoscience and Nanoengineering / North Carolina Agricultural and Technical State University	Exploiting the Ionic Conductivity of Solid-State Electrolyte (Li ₇ La ₃ Zr ₂ O ₁₂) by High Frequency Limit
P	420	THR	2553924	Titik Lestariningsih	Indonesian Institute of Sciences (LIPI)	Structural, Thermal and Electrical Properties of PVDF-HFP/LIBOB Salt and TiO ₂ as Composite Polymer Electrolyte in Lithium Ion Batteries
P	421	MON	2553939	Jianhui Wang	The University of Tokyo	Safe and long-lasting batteries based on a fire-extinguishing electrolyte with excellent anode-passivation ability
P	422	TUE	2554013	Shigemasa Yamagami	National Institute of Advanced Industrial Science and Technology	Ion mobility and tortuosity of the pathways in separator membranes
P	423	THR	2554032	Kazuhide Ueno	Yokohama National University	Polymer Electrolytes Containing Solvate Ionic Liquids
P	424	MON	2554294	Yu Kai Hsu	Tatung University	Effects of butadiene sulfone as an electrolyte additive on the formation of solid electrolyte interphase on Li ₄ Ti ₅ O ₁₂ anode in lithium-ion batteries
P	425	TUE	2554371	Laura Imholt	Helmholtz-Institut Munster, IEK-12, Forschungszentrum Julich GmbH	Grafted Polyrotaxane-based Solid Polymer Electrolytes for All-Solid-State Lithium Metal Batteries with Enhanced Properties
P	426	THR	2554381	Byung Ryang Kim	Korea Electronics Technology Institute	Electrochemical properties of siloxane additives for lithium-ion battery
P	427	MON	2554434	Sean Culver	Justus-Liebig-University Giessen	On the Ambiguous Influence of Soft Lattices on Ionic Transport
P	428	TUE	2554529	Masaki Kato	Kogakuin University	Preparation and characterization of hybrid solid electrolyte consisted of Li conductive polyethylene oxide and inorganic electrolyte Li ₇ La ₃ Zr ₂ O ₁₂
P	429	THR	2554544	Rasmus Andersson	Chalmers University of Technology	Novel multiscale framework for modelling of liquid battery electrolytes
P	430	MON	2554587	Sung-Ju Cho	Ulsan National Institute of Science and Technology (UNIST)	Sebaconitrile-base thermally-safe electrolytes for safety-reinforced lithium-ion batteries
P	431	TUE	2554614	Seyedeh Sheida Hosseinioun	Forschungszentrum Julich GmbH	Crosslinked PMMA Gel Electrolytes for Li-ion Battery
P	432	THR	2554654	Liton Balo	Fakir Chand College / Banaras Hindu University	Performance of EMIMFSI ionic liquid based gel polymer electrolyte in rechargeable lithium metal batteries and effect of mesh type Al on capacity retention
P	433	MON	2554703	Jyh-Tsung Lee	National Sun Yat Sen University	Chelating Ligands as Electrolyte Additives to Modulate the Redox Potential of Organic Radical Batteries
P	434	TUE	2554724	Akiko Tsurumaki	Sapienza University of Rome	Improvement in the cycle performance of lithium ion batteries by using bis(fluorosulfonyl)imide-based ionic liquids
P	435	THR	2554753	Niloofer Ehteshami	Helmholtz Institute Munster - Forschungszentrum Julich (IEK-12)	Ethylene Carbonate-Free Electrolytes for Li-ion battery: Study of SEI layer formed on graphite anodes
P	436	MON	2554759	Gustav Avall	Chalmers University of Technology	Solvation structure in dilute to highly concentrated electrolytes for lithium-ion and sodium-ion batteries
P	437	TUE	2554770	Viktor Nilsson	Chalmers University of Technology / Uppsala University / Alistore-ERI European Research Institute	The (in-)stability of highly concentrated LiTFSI - acetonitrile electrolytes
P	438	THR	2554775	Tingzi Yan	University of Leeds	Solid polymer electrolytes based on polymer blends
P	439	MON	2554776	Zhaopeng Zhang	University of Leeds	PVdF/PVdF-HFP based gels and polymer blends for Li-ion battery electrolyte applications
P	440	TUE	2554821	Dan Li	University of Science and Technology Beijing	3D fiber-network reinforced bicontinuous composite solid electrolyte for dendrite-free lithium metal batteries
P	441	THR	2554883	Tzu-Ying Lin	Swiss Federal Laboratories for Materials Science and Technology	Ionic Conductivity of Garnet-type Thin Film Li-La-Zr-O Electrolyte
P	442	MON	2554904	Fouad Ghamouss	Universite de Tours	A QUASI-SOLID STATE THIN FILM LITHIUM μ-BATTERY USING A POLYMER ELECTROLYTE
P	443	TUE	2555099	Katsuyuki Takahashi	GS Yuasa International Ltd	KTakahashi_JMLB_2
P	444	THR	2559420	Akifumi Kikuchi	GS Yuasa International Ltd.	Development of Long Life and High Specific Capacity LiBs with Li-rich Layered Oxide Positive Active Material
P	445	MON	2555562	Svetlana Tsupova	IOLITEC Ionic Liquids Technologies GmbH	Ionic Liquids as Electrolytes for Lithium-Sulfur Batteries
P	446	TUE	2555570	Andrea Cavallaro	Imperial College London	New methodology to investigate grain and grain boundaries resistivity in LLZO garnet
P	447	THR	2560381	Satish Bolloju	National Sun Yat-sen University	A Stable Solid Electrolyte Interface-Forming Additive for High-Voltage LiNi _{0.5} Mn _{1.5} O ₄ Material
P	448	MON	2560919	Mingzhe Xue	Tongji University	Improved conductivity of Ta and Ca doped Li ₇ La ₃ Zr ₂ O ₁₂ (LLZO) for Li-S battery via modified solution method
P	449	TUE	2560923	Dong-Joo Yoo	Seoul National University	The Synergistic Effect of Cation and Anion of an Ionic Liquid Additive for Lithium Metal Anodes

P	Number	Presentati on Date	Receipt Number	Presenter	Affiliation	Title
P	450	THR	2562403	John W Lawson	NASA Ames Research Center	Atomistic Simulations of Ionic Liquid and Polymer Electrolytes: From Bulk Phases to Interfacial Behavior
P	451	MON	2564226	Chia Erh LIU	Industrial Technology Research Institute	The Ta-doping effect on LLZO electrolyte for All-Solid-State Batteries
P	452	TUE	2565140	Takuya Kimura	Osaka Prefecture University	Preparation and characterization of lithium ion conductive Li ₃ SbS ₄ glass and glass-ceramic electrolytes
P	453	THR	2565440	Bernhard Theodor Leube	University of Liverpool	Investigation of New Phosphorous-free Thio-LISICON Phases as Solid State Electrolytes
P	454	MON	2566246	Yanting Jin	University of Cambridge	Understanding the Beneficial Effect of Electrolyte Additives on Si anode in Lithium ion batteries with ssNMR and DNP
P	455	TUE	2566405	Rafael B. Araujo	Chalmers University of Technology	Towards efficient electrolytes for Ca batteries: A COSMO-RS approach
P	456	THR	2566436	Chen Liao	Argonne National Laboratory	Effect of New Salts and Additives for Li Ion Batteries
P	457	MON	2566948	Kohei Miyazaki	Kyoto University	Enhanced Resistance to Oxidative Decomposition of Aqueous Electrolytes for Aqueous Lithium-ion Batteries
P	458	TUE	2567082	Gregorio Guzman	Universidad Autónoma Metropolitana Unidad Iztapalapa	Single lithium ion conducting polymer electrolytes for LIB based on sp ³ boron and Poly(ethylene glycol) doped with Si, Ti, and Zr
P	459	THR	2567268	Hajime Matsumoto	National Institute of Advanced Industrial Science and Technology (AIST)	Single lithium molten salt based on fluorosulfonyl(trifluoromethylsulfonyl)amide as a real zero-solvent electrolyte for lithium battery system
P	460	MON	2567415	Yu Pan	Shanghai Institute of Space Power Sources	A PMMA Gel Polymer Electrolyte for Lithium-sulfur Batteries
P	462	THR	2567542	ZhaoXuan Zheng	National Central University	Electric field poling TiO ₂ and polymer complex electrolytes achieve high conductivity in lithium ion battery application
P	463	MON	2567697	Takashi Katoh	OHARA Inc.	Enhanced electrochemical performance of the NMC cathode for a lithium ion secondary battery using lithium ion conductive glass-ceramics
P	464	TUE	2567836	Constantin Pompe	Justus-Liebig-Universität Giessen	A new perspective on the anti-perovskite Li ₂ .99Ba _{0.005} OCl
P	465	THR	2568508	Dharmesh Harendra Kothari	The M.S. University of Baroda	Electrical Properties of doubly doped Lithium ion conducting aluminum titanium phosphate NASICON system Li _{1.3} Al _{0.29} Ga _{0.05} Sc _{0.05} Ti _{1.7} (PO ₄) ₃
P	466	MON	2568968	Romain Jun Taccori	Doshisha University	LiBF ₄ /TFEP Electrolyte Solutions for 5 V LiNi _{0.5} Mn _{1.5} O ₄ Positive-Electrodes in Lithium-Ion Batteries
P	467	TUE	2578453	Alexander Pelz	Helmholtz - Institute Munster	Triblock copolymer electrolytes with polymer-in-salt like lithium to oxygen ratios
P	468	THR	2579994	Xue Zhang	Tsinghua University	Synergistic Coupling Between Li ₇ La ₃ Zr ₂ O ₁₂ and Poly(vinylidene fluoride) Induces High Electrochemical Performance of Solid Composite Electrolytes
P	469	MON	2585237	Lidan Xing	South China Normal University	Important Role of Lithium Salt Anion on the Electrode/Electrolyte Interfacial Stability
P	470	TUE	2591235	Kazuaki Kawahara	The University of Tokyo	Ionic conductivity of lithium lanthanum niobate polycrystals: Electrochemical impedance spectroscopy analysis
P	471	THR	2591550	Zhen Geng	Chinese Academy of Sciences	Enhanced Cycling Stability of Lithium Metal Batteries Based on Carbonate-solvent-based Electrolytes at Elevated Temperature
P	472	MON	2591825	Robert Kerr	Deakin University	Phosphonium-based ionic liquids for high capacity lithium batteries
P	473	TUE	2594159	Zhenguang Li	Tokyo University of Agriculture and Technology, Japan	Concentrated Poly(ethylene carbonate)/Poly(trimethylene carbonate) Blend Electrolytes for Lithium-Ion Batteries
P	474	THR	2595571	Daniel Tevik Rogstad	Norwegian University of Science and Technology	An ionic liquid based electrolyte for a stable SEI on Si anodes
P	475	MON	2595573	Nan Piao	Tsinghua University	Pseudo-concentrated Electrolyte Enables High Performance Lithium Metal batteries
P	476	TUE	2595650	Liu Amy Zhou	Silatronic Inc.	Organosilicon-based electrolytes to enable high energy lithium ion batteries
P	477	THR	2530003	Fabian Peters	Fraunhofer Institute for Manufacturing Technology and Advanced Materials IFAM	Development of foam-based 3D-electrodes for high power all-solid state batteries
P	478	MON	2533378	Shriram Santhanagopalan	National Renewable Energy Laboratory	Effect of Aging on Mechanical, Electrochemical and Thermal Properties of Lithium Ion Cell Components
P	479	TUE	2534698	Seyed Saeed madani	Aalborg University	Heat Generation Measurement of Li-ion Battery Cells Under Fast Charging Conditions by Employing Isothermal Calorimeter
P	480	THR	2541357	Lin Ma	Dalhousie University	Comparative Study on the Effect of Coating on Li[Ni _{0.5} Mn _{0.3} Co _{0.2}]O ₂ /graphite Pouch Cells
P	481	MON	2545546	Takashi Tsuda	Kanagawa University	Improvement of Rate Performance of LiFePO ₄ Cathode with Porous LiFePO ₄ /Activated Carbon Hybrid Electrode Structure
P	482	TUE	2545878	Yihua Wang	Republic Polytechnic	High Performance Lithium Ion Battery with Nano Porous Metal Current Collector
P	483	THR	2547960	Kenza Maher	Hamad Bin Khalifa University (HBKU)	Identification of heat generation parameters of LG Li ion battery
P	484	MON	2548803	Kang Chen	Xi'an Jiaotong University	Effects of Nano-Metal Oxide on Interface of Cathode/Electrolyte in Lithium Ion Batteries
P	485	TUE	2548831	Haichao Lv	Xi'an Jiaotong University	Capacity fade of full cell considering lithium ion desolvation under pulse current charge/discharge conditions
P	486	THR	2549736	Kazuomi Yoshima	Toshiba Corporation	Hybrid solid Li ₄ Ti ₅ O ₁₂ /LiNi _{1-x-y} CoxMnyO ₂ bipolar batteries
P	487	MON	2550172	Marzi Barghamadi	The Commonwealth Scientific and Industrial Research Organisation (CSIRO)	High Powered Lithium-based Energy Storage Device for Catenary-Free Trams
P	488	TUE	2551519	Yoshio Ukyo	SACI, Kyoto University	Measurement of coulombic efficiency of Lithium Ion Batteries using Ultra High Precision Charge and Discharge system
P	489	THR	2551553	Changhun Sung	Ulsan National Institute of Science and Technology	Correlation between Differential Scanning Calorimetry and Accelerating Rate Calorimetry of Lithium Ion Battery for EVs
P	490	MON	2551589	Takahiro Yamaki	Kyoto University	Coulombic efficiency of graphite anode evaluated by ultra high precision charge and discharge system
P	491	TUE	2552380	Katja Froehlich	AIT Austrian Institute of Technology GmbH	Influence of manufacturing parameters on the electrochemical performance of high-energy cathodes for Li-ion batteries
P	492	THR	2552568	Arlavinda Rezaqita	AIT Austrian Institute of Technology GmbH	Analysis of Degradation Mechanisms of Si/mesoporous carbon?LiNi _{0.5} Mn _{0.3} Co _{0.2} O ₂
P	493	MON	2552596	Moez Masmoudi	ENSTA ParisTech / Renault	Multi-scale thermo-electrochemical-mechanical coupled model for the swelling of lithium-ion cell
P	494	TUE	2552640	Serena Carelli	Offenburg University of Applied Sciences	End-of-life prediction of a lithium-ion battery cell based on mechanistic ageing models of the graphite electrode
P	495	THR	2552714	Haitao Gu	Shanghai Institute of Space Power-sources	Improved high temperature electrochemical properties of ALD-Coated NGA Electrodes for Li-Ion Pouch Cell
P	496	MON	2552993	Fu-Ming Wang	National Taiwan University of Science and Technology	Automatic quenching cathode electrolyte interphase on Ni-rich cathode materials for preventing short circuit problem in lithium ion battery
P	497	TUE	2553198	Zilai Yan	Dalhousie University	SELECTING CELL COMPONENTS WITH LOW CATHODIC ELECTROLYTE REACTIVITY FOR LITHIUM-ION CELLS
P	498	THR	2553210	Che-Wei Chu	Industrial Technology Research Institute	Safety mechanism study of hyperbranched oligomers coated-cathodes lithium-ion batteries
P	499	MON	2553348	Christian Peter	Fraunhofer IKTS	Influence of the cell formation parameters on the aging of lithium-ion cells
P	500	TUE	2553499	Jinhyeok Ahn	Hanyang University	Atomic Layer Deposition of ZrO ₂ coating on LiNi _{0.5} Mn _{0.3} Co _{0.2} O ₂ for High-Voltage Operation in Lithium ion batteries
P	501	THR	2553620	Miwa Murakami	Kyoto University	In-situ 7Li NMR of Lithium Plating in Graphite Electrodes at Low Temperature
P	502	MON	2553799	Hyun-Sik Woo	Hanyang University	Safety-Enhanced Lithium-Ion Batteries Employing a Thermally Stable Cross-linked Composite Separator
P	503	TUE	2553948	Jungwoo Lim	Seoul National University	In Situ Electrochemical Doping for Mn-Rich Layered Oxide Cathode Materials in Lithium-Ion Batteries
P	504	THR	2553963	Ming Tang	Rice University	Model for Efficient Optimization of Thick Lithium-Ion Battery Electrodes
P	505	MON	2554088	Junsu Park	Gwangju Institute of Science and Technology	Performance enhancement of Li-ion battery by laser structuring of thick electrode with low porosity
P	506	TUE	2554141	Ville Erkkila	VTT Technical Research Centre of Finland Ltd	Cycle ageing analysis of LiFePO ₄ /graphite cells
P	507	THR	2554239	Michael Weiss	Karlsruhe Institute of Technology (KIT)	Predominant aging mechanism in Lithium-Ion Batteries related to various test profiles
P	508	MON	2554265	Yumi Fujita	Toshiba Corporation	Introduction of Charging Curves Analysis Technologies for Diagnosis and Control of Lithium ion Batteries
P	509	TUE	2554287	Katja Sanna Fransiina Lahtinen	Aalto University	Performance of stoichiometric, over-lithiated and doped LiCoO ₂ electrode materials for Li-ion batteries
P	510	THR	2554318	Lukas Ibing	University of Muenster	Aqueous processing of nickel-rich NMC - Li-Ion performance as a function of binder pH value
P	511	MON	2554407	Mario Marinaro	ZSW, Zentrum für Sonnenenergie- und Wasserstoff-Forschung Baden-Württemberg	Toward high energy prototype Li-ion batteries with Si-alloy/graphite anode and Ni-rich NMCs cathode
P	512	TUE	2554409	Himani Gupta	Banaras Hindu University	Electrochemical performance of graphene oxide coated cathode material in lithium metal polymer battery
P	513	THR	2554410	Evelina Ida Sofia Wikner	Chalmers University of Technology	Physics-based Modeling of Ageing Phenomena in Commercial Li-ion Pouch Cells
P	514	MON	2554428	Maiko Matsumura	NEC Energy Devices, Ltd.	A 200-Wh/kg laminate cell with high power and safety for industrial drones

P	Number	Presentati on Date	Receipt Number	Presenter	Affiliation	Title
P	515	TUE	2554455	Yoshiyasu Saito	AIST	Characterization of Partial Entropy Change of Electrode Reaction of $\text{Li}_x\text{Ni}_{1/3}\text{Mn}_{1/3}\text{Co}_{1/3}\text{O}_2$
P	516	THR	2554462	Omar Mendoza	Japan Aerospace Exploration Agency	Evaluation of Calendar Degraded 18650 Li-ion cells during Low Temperature Cycling
P	517	MON	2554530	Sundeeep Vema	Indian Institute of Technology Delhi	Investigation of SEI layer formation mechanism in Mn-based batteries
P	518	TUE	2554538	Michael Quarti	Offenburg University of Applied Sciences	Model development and validation of a lithium-ion pouch cell with LCO/NCA blend cathode
P	519	THR	2554539	Shishir Kumar Singh	Banaras Hindu University	Electrochemical Characterization of Ionic Liquid based Gel Polymer Electrolyte for Rechargeable Li-ion Battery
P	520	MON	2554561	Seiji Kumagai	Akita University	Performances of $\text{LiFePO}_4/\text{graphite}$ Lithium-ion Batteries with Different Capacity Ratios of Negative to Positive Electrode
P	521	TUE	2554592	Min Je Jeon	University of Ulsan	Cycle performance and degradation mechanism of full-cell with $\text{LiNi}_0.5\text{Mn}_{1.5}\text{O}_4$ paired to various carbon materials depends on crystalline structure in lithium ion battery
P	522	THR	2554712	Ekin Esen	Koc University	Modeling a Thermal Management System for Battery Units of Electric Vehicles
P	523	MON	2554726	Elizaveta Kessler	Westfälische Wilhelms-Universität Münster	The Effect of Different Cut-off Voltages and Elevated Temperature in the Formation Procedure on the Electrochemical Performance in SiC Based Li-ion Cells
P	524	TUE	2554743	Katharina Rumpf	Technical University of Munich (TUM)	Modelling the influence of cell-to-cell variations within lithium-ion battery modules on inhomogeneous module ageing
P	525	THR	2554795	Emma Kendrick	University of Warwick	Cell formation studies to improve the SEI layer in Li-ion batteries
P	526	MON	2554825	Preben J. S. Vie	Institute for Energy Technology	Safety and diagnostics of aged commercial Li-ion batteries cycled at low temperature
P	527	TUE	2554873	Arnulf Latz	HIU	Spatially resolved modeling and simulation of degradation in Lithium ion batteries
P	528	THR	2554881	Hilmi Buqa	Leclanche SA	A phenomenological approach to SOH prediction of Graphite/NMC cells
P	529	MON	2554888	Morten Andreas Onsrud	Norwegian University of Science and Technology	Performance of a Novel Carbon Coating on Aluminum Current Collectors for LiFePO_4 Cathodes
P	530	TUE	2556320	Mehmet C. Yagci	Offenburg University of Applied Sciences	Cell lifetime diagnostics and system behavior of stationary LFP/graphite lithium-ion batteries
P	531	THR	2557518	Alvin Wu	Underwriters Laboratories Taiwan Co., Ltd.	Study of Safety Characteristics in Lithium-ion Batteries with different Energy Density Design
P	532	MON	2558308	Marcelina Lis	Jagiellonian University	Poly-N-vinylformamide as a binder for lithium-ion batteries
P	533	TUE	2560629	Hye Jin Kim	Seoul National University	Non-destructive Battery Diagnosis of High Capacity Ni-rich Cathodes using Entropymetry
P	534	THR	2563889	Chunxi Hai	Chinese Academy of Science / Key laboratory of salt lake resources chemistry of Qinghai Pro	Improving the security of lithium ion battery by adding MgO nanoparticles into cathode
P	535	MON	2565282	Jonas Keil	Technical University of Munich (TUM)	Physicochemical modeling of nonlinear aging of lithium-ion cells
P	536	TUE	2565583	Jinsol Im	Hanyang University	Electrochemical Performance of Functional Sulfite-type Electrolyte Additive for Lithium Metal Battery
P	537	THR	2566244	Songhun Yoon	Chung-Ang University	Potential Dependence of Gas Evolution in 18650 Cylindrical Lithium-Ion Batteries Using In-Situ Raman Spectroscopy
P	538	MON	2566256	Wandi Wahyudi	King Abdullah University of Science and Technology	Li Ion Coordination Structures Prevail over Solid Electrolyte Interphases
P	539	TUE	2566821	Soonchul Kwon	Pusan National University	Induced AlF_3 segregation for the generation of reciprocal Al_2O_3 and LiF coating layer on self-generated LiMn_2O_4 surface of over-lithiated oxide based Li-ion battery
P	540	THR	2567350	Yuhuan Hsieh	National Central University	Novel electrolyte additives improve electrochemical performance and safety for lithium ion battery
P	541	MON	2567631	Wang Chen	National University of Singapore	Effect of Electrolyte on Thermal and Electrochemical Performance of 18650-type Lithium Titanate Cell
P	542	TUE	2567633	Josh Thomas	Uppsala University	The effect of excess electrolyte on LIB cell life
P	543	THR	2567679	Tokihiko Yokoshima	Waseda University	Operando Analysis of Thermal Runaway in Lithium Ion Battery during Nail-Penetration Test using X-ray Inspection System
P	544	MON	2567960	Andreas Noel	Technical University of Munich (TUM)	Analytical description of open circuit voltage influences on the current density distribution in lithium-ion cells
P	545	TUE	2568012	Maria Assunta Navarra	Sapienza University of Rome	Ionic Liquid-based electrolyte mixtures for high-voltage lithium batteries with enhanced safety and cycle-life
P	546	THR	2569267	Shashank Arora	Aalto University	SEI Film Resistance Approximation for Secondary Li-ion Batteries using Galvanostatic Discharge Technique
P	547	MON	2587494	Ilda Santos Mendoza	Universidad Autonoma Metropolitana-Iztapalapa,	Effective transport parameters for LiFePO_4 cathodes for Li-ion batteries.
P	548	TUE	2591454	Linda J. Bolay	German Aerospace Center / Helmholtz Institute Ulm for Electrochemical Energy Storage	State Estimation of Lithium-Ion Batteries in Aerospace
P	549	THR	2595483	Siqi Zheng	Tsinghua University	Thermal runaway mechanisms of commercial $\text{LiFePO}_4/\text{graphite}$ batteries
P	550	MON	2549006	Paul Kitz	Paul Scherrer Institut	SEI formation studied by combined operando EIS and EQCM-D
P	551	TUE	2549022	Daniel Monteiro Cunha	University of Twente	Nanoscale Electrochemical Mapping for Enhanced Battery Electrodes
P	552	THR	2550745	Masahito Arima	Daiwa Can Company / Ritsumeikan University	An Algorithm of Charge-Discharge Curve Estimation and Full Charge Capacity Correction for Lithium-ion Battery Module
P	553	MON	2551055	Eibar Joel Flores-Cedeno	Paul Scherrer Institut	Operando Raman study of $\text{Li}_x\text{Ni}_0.8\text{Co}_0.15\text{Al}_0.05\text{O}_2$ ($1 > x > 0.1$)
P	554	TUE	2551214	Verena Wurster	Robert Bosch GmbH	Interface characterization in dry polymer cathodes by EIS and XPS - the PEO/ LFP interface
P	555	THR	2551402	Anatoliy Senyshyn	Technische Universität München	Spatial lithium distribution in Li-ion batteries revealed in situ by neutron scattering
P	556	MON	2551518	Jimin Oh	Electronics and Telecommunications Research Institute / Korea Advanced Institute of Science and Technology	Electrochemical Strain Microscopic Analysis of LSTP-Based Solid Electrolyte in Graphite Composite Electrode
P	557	TUE	2552589	Dominik Steckermeier	Technische Universität Braunschweig	Investigating the aging of different sulfur composite electrodes in lithium sulfur cells using electrochemical impedance spectroscopy and the distribution of relaxations times method
P	558	THR	2552598	Tomas W. Verhallen	TU Delft	Neutron depth profiling, present and future applications in Lithium ion batteries
P	559	MON	2552834	Bing Sun	Paul Scherrer Institute	Deciphering the Chemical and Electrochemical Reactions of Li_2CO_3 in Li-ion Batteries using Online Electrochemical Mass Spectrometry
P	560	TUE	2552887	Jan Bitenc	National Institute of Chemistry	ATR-IR operando spectroscopy as a powerful tool for probing electrochemical reactions in organic cathode materials
P	561	THR	2552654	Eiji Hosono	National Institute of Advanced Industrial Science and Technology	Synthesis of nanowire electrodes by the electrospinning method and analysis by soft X-ray scanning transmission X-ray microscope
P	562	MON	2553044	Naoto Kitamura	Tokyo University of Science	Local Chemical Ordering in Li_3NbO_4 -Based Positive Electrode Material with Disordered Rock Salt Structure
P	563	TUE	2553095	Qingli Zou	The Chinese University of Hong Kong	Alkali/Sulfur Redox Chemistry and Insights into Nonaqueous Metal/Sulfur Batteries
P	564	THR	2553037	Daisuke Asakura	National Institute of Advanced Industrial Science and Technology	Soft X-ray Spectroscopy Studies for Electrode Materials to Clarify the Electronic-Structure Change and Charge-Transfer Effects in the Lithiation and Delithiation Processes
P	565	MON	2553246	Hongjun Kim	KAIST	ESM analysis on ion transport in composite electrodes for all-solid-state lithium ion batteries
P	566	TUE	2553263	Gun Park	KAIST	Quantitative measurement of Li ion concentration and diffusion coefficient in all-solid-state lithium ion batteries
P	567	THR	2553274	Leah D. Ellis	Dalhousie University	A New Method for Determining the Concentration of Electrolyte Components in Lithium-Ion Cells using Fourier Transform Infrared Spectroscopy and Machine Learning
P	568	MON	2553326	Arvid Niemoller	Forschungszentrum Julich GmbH	In-operando EPR spectroscopy of lithium ion batteries
P	569	TUE	2553508	Tatsumi Hirano	Kyoto University	In-Operand Measurement of Temperature and Stress Distribution in Lithium-Ion Batteries
P	570	THR	2553623	Kris J Harris	McMaster University	Monte Carlo Structure Simulation and NMR Spectroscopic Verification of NMC Family Cathodes
P	571	MON	2553998	Keishi Akada	The University of Tokyo	Operando photoelectron spectromicroscopy of charge/discharge process in cathode material of all-solid-state Li-ion battery
P	572	TUE	2554075	Shigeharu Takagi	Kyoto University	Detailed analysis of crystallite size of graphitic carbon and its influences on performances of LIB at low temperature
P	573	THR	2554250	Hiroyuki Fujimoto	Kyoto University	Operando analysis of in-plane structure change of graphite anode of Li ion battery during the charge/discharge process using synchrotron radiation diffraction
P	574	MON	2554253	Ellen Ivers-Tiffée	Karlsruhe Institute of Technology (KIT)	Battery electrodes assessed by tomography methods and transmission line models
P	575	TUE	2554385	Seoungwoo Byun	DGIST	In-depth Analysis of Binder Distribution within Lithium-ion Battery Electrode by Using SAICAS
P	576	THR	2554395	Youngjoon Roh	DGIST	Interfacial Adhesion Property between Separator and Ceramic Coating Layer using SAICAS
P	577	MON	2554408	Peter Jakes	Forschungszentrum Julich GmbH	In-operando EPR
P	579	THR	2554644	Masahiro Yanagida	National Institute of Advanced Industrial Science and Technology (AIST)	Application of Polychromatic Simultaneous WDXRF using Laboratory X-ray Source for Development of LIB Cathode Materials

P	Number	Presentati on Date	Receipt Number	Presenter	Affiliation	Title
P	580	MON	2554749	Simon Engelke	University of Cambridge	3D Pulse Field Gradient NMR measurements of transport in anisotropic materials for energy storage applications
P	581	TUE	2554771	Mayank Tanwar	Indian Institute of Technology Delhi	Optimizing Charge-Discharge of a Lithium-ion battery based on its cycle life study
P	582	THR	2554791	Sergey A. Krachkovskiy	McMaster University	In-Situ Mapping of the Li Concentration in Graphite Electrodes by Magnetic Resonance Techniques
P	583	MON	2555628	Masaki Tanemura	Nagoya Institute of Technology	Towards in situ TEM for rechargeable ion batteries
P	584	TUE	2558276	Linsen Li	Shanghai Jiao Tong University	Operando Visualization of Two-Dimensional Li Diffusion Behavior and Hybrid Phase Transformation Kinetics in Olivine Lithium Iron Phosphate (LiFePO ₄)
P	585	THR	2559729	Akito Suzuki	Ritsumeikan University	Analysis of lithium ion diffusion in silicon single crystal using X-ray absorption spectroscopy
P	586	MON	2561207	Daiko Takamatsu	Hitachi, Ltd.	Quantitative Visualization of Salt Concentration Distributions in Lithium-Ion Battery Electrolytes by in operando X-ray Phase Imaging
P	587	TUE	2563107	Xiuyun Zhao	National Research Council Canada	Unraveling the Origin of Failure Mechanism in Graphite-Rich Silicon/Graphite Composite Electrodes with Poly(vinylidene fluoride) (PVDF) Binder
P	588	THR	2563331	Koji Kandori	Ritsumeikan University	in-situ X-Ray Imaging Analysis of Concentration Distribution in All-Solid-State Rechargeable Battery Using Ag-ion Conductor
P	589	MON	2564196	Alex Bright	Thermo Fisher Scientific	3D Imaging and Structural Analysis of Large Volumes in Lithium-Ion Battery Materials and Fuel Cells Using Xe+ Plasma FIB and SEM
P	590	TUE	2565849	Takaki Saitoh	Hokkaido University	Interferometry Study for Li Metal Anode
P	591	THR	2566062	Joachim Wallenstein	Chalmers University of Technology	Operando Raman Spectroscopy of Lithium-ion Battery Electrolytes and Electrodes
P	592	MON	2566351	Tetsuro Ikeya	Ritsumeikan University	Diffraction Anomalous Fine Structure Analysis of LiFePO ₄ -FePO ₄ Two Phase Reaction
P	593	TUE	2566453	Kun Qian	Tsinghua-Berkeley Shenzhen Institute	Investigation on the chemical evolution of layered oxide surface via in-situ Raman Spectroscopy
P	594	THR	2566729	Keita Kobayashi	Ritumeikan University	Reaction Distribution Analysis of Li ₄ Ti ₅ O ₁₂ by Imaging X-ray Absorption Spectroscopy
P	595	MON	2567145	Jyunya Furutani	Ritsumeikan University	Lithium K-edge X-ray Absorption Measurement of Cathode Materials
P	596	TUE	2567389	Matthias Simolka	University of Applied Sciences Esslingen	Visualization of ionic hot spots using an adapted ESM method in Silicon Anodes
P	597	THR	2567432	Laura Holtzsch	Paul Scherrer Institut	Investigation of solid state batteries by operando neutron imaging
P	598	MON	2567716	Sakira Kaneko	Palmetric Corporation	Development of High Sensitive Calorimeter for Coin-Type Lithium-ion Cell
P	599	TUE	2568188	Maria K Chan	Argonne National Laboratory	Accelerating the understanding of battery materials by integrating first-principles simulations and x-ray and electron characterization
P	600	THR	2569230	Hikaru Sano	AIST	Operand AFM Observation of Lithium Electrodeposition
P	601	MON	2584991	Scott Gorman	WMG, University of Warwick	Non-destructive identification of pouch cell internal defects
P	602	TUE	2586460	Misaki Katayama	Ritsumeikan University	XAFS Imaging Study on Inhomogeneous Reaction of LiFePO ₄ Cathode
P	603	THR	2590628	Qinghao Li	Chinese Academy of Sciences / Shandong University / Lawrence Berkeley National Laboratory	Direct evidence of reversible oxygen redox couple in LiCoO ₂ probed by RIXS
P	605	TUE	2594121	Tongchao Liu	Peking University	Visualizing Live-formation of Interphase at Atomic Scale
P	606	THR	2595420	Kai Yang	Peking University Shenzhen Graduate School	Advanced probing technology in LIBs Interface Research
P	607	MON	2595499	Amund Ruud	University of Oslo	Operando XRD-CT investigation of a BiVO ₄ anode
P	608	TUE	2595635	S. B. Schougaard	McGill University	Single Particles Cathode Material Electrochemical Properties From Micro-Pipets Methods
P	609	THR	2533151	Marcela Calpa	Hokkaido University	Preparation of high ion conductive Li ₂ S-P ₂ S ₅ solid electrolytes by a liquid phase process
P	610	MON	2536167	Hiroo Notohara	Nagasaki University	SnO ₂ ?Embedded Nanoporous Carbons as an All-Solid-State LIB Electrode
P	611	TUE	2541198	Xiayin Yao	Chinese Academy of Sciences	Sulfide solid state electrolytes for all-solid-state lithium-sulfur batteries
P	612	THR	2543074	Hiroki Moriwake	Japan Fine Ceramics Center / National Institute for Materials Science	Atomic structure of a grain boundary in LiMn ₂ O ₄ thin film and its influence on battery properties
P	613	MON	2545649	Ho-sung Kim	Korea Institute of Industrial Technology	Synthesis and electrochemical characteristics of Ga-doped LLZO electrolyte for all solid lithium secondary batteries
P	614	TUE	2545742	James Alexander Dawson	University of Bath	Atomic-Scale Influence of Grain Boundaries on Li-Ion Conduction in Solid Electrolytes for All-Solid-State Batteries
P	615	THR	2545908	Pieremanuele Canepa	University of Bath	Tuning the Particle Morphology of Garnet-type Solid Electrolytes
P	616	MON	2546045	Umer Farooq	University of Calgary	Polymer-ceramic Composite Electrolyte for Solid-state Li-ion Battery Systems
P	617	TUE	2546227	Hiroto Yamada	Nagasaki University	Modification of Grain-Boundary for Prevention of Lithium Growth through Garnet-type Solid Electrolytes
P	618	THR	2547937	Rongbin Ye	Iwate University	Characterization of RF-Sputtered LiCoO ₂ Thin Films Deposited on 30 μm SUS304 Foils for Application in Flexible Thin Film Rechargeable Batteries
P	619	MON	2548101	Simon Randau	Justus-Liebig-University Giessen	All-Solid-State Battery using NCM-622 and a Lithium Metal Anode
P	620	TUE	2548141	A-Young Kim	Karlsruhe Institute of Technology	Interfacial characterization of LiNbO ₃ coating layer on NCM622 cathode material for all-solid-state Li-ion batteries
P	621	THR	2548406	Yong Joon Park	Kyonggi University	Electrochemical performance of surface modified composite-cathode for all solid state batteries based on sulfide electrolyte
P	622	MON	2548431	Muhammad E Abdelhamid	Commonwealth Scientific and Industrial Research Organisation	A step closer to 3D-Microbatteries for sensors: integrating polymer electrolytes
P	623	TUE	2548854	Misae Otoyama	Osaka Prefecture University	In-situ Optical Microscopy for Graphite Negative Electrode Layers in All-Solid-State Lithium Batteries
P	624	THR	2549054	Rowena Helen Brugge	Imperial College London	Moisture-Induced Degradation in Garnet Electrolytes for Solid State Batteries and its Impact on Li-Ion Dynamics
P	625	MON	2549203	Bizhu Zheng	Xiamen University	An in-situ formed SEI layer to stabilize the interface between Li metal and Li ₁₀ SnP ₂ S ₁₂ sulfide solid electrolyte
P	626	TUE	2550006	Raimund Koerver	Justus-Liebig-University Giessen	Redox-active cathode interphase formation in solid-state batteries probed by in situ XPS
P	627	THR	2550295	Shoichi Matsuda	National Institute for Materials Science	Dynamic changes in charge-transfer resistance at Li metal/Li ₇ La ₃ Zr ₂ O ₁₂ interfaces during electrochemical Li dissolution/deposition cycles
P	628	MON	2550395	Young Jin Kim	University of Ulsan	Study on the Li ₂ ZrO ₃ -coated LiNi _{0.6} Co _{0.2} Mn _{0.2} O ₂ as cathode material in all-solid-state Li-ion batteries
P	629	TUE	2550822	Myeong Ju Lee	Electronics and Telecommunications Research Institute(ETRI) / University of Science and Technology(UST)	Enhanced Ionic Conductivity of PEO-based Hybrid Solid Electrolyte Filled with Cubic Li ₇ La ₃ Zr ₂ O ₁₂ for Lithium Metal Battery
P	630	THR	2551118	Frédéric Le Cras	CEA, LETI, / Univ. Grenoble Alpes / CNRS, Univ. Bordeaux, ICMCB	Promises and challenges in the preparation of highly conductive thin film electrolytes for all-solid-state batteries: LiSiPO(N) glasses as a case study
P	631	MON	2551133	Yuta Fujii	Hokkaido University	Reaction Mechanism of FePS ₃ Electrodes in All-Solid-State Lithium Secondary Batteries Using Li ₂ S-P ₂ S ₅ Solid Electrolytes
P	632	TUE	2551369	Philipp Braun	Karlsruhe Institute of Technology (KIT)	Assessment of All-Solid-State Batteries with Different Solid Electrolytes
P	633	THR	2551393	Yan Yao	University of Houston	Tailored Organic Electrode Material Compatible with Sulfide Electrolyte for Stable All-Solid-State Sodium Batteries
P	634	MON	2551879	Takayuki Yamamoto	Nagoya University	Fabrication of All-Solid-State Lithium Batteries Using in-Situ Formed Electrode
P	635	TUE	2552201	Takeshi Kimura	Tokyo Metropolitan University	Electrochemical properties of LiCoO ₂ -Li ₃ BO ₃ composite cathode layer formed on Al-doped Li ₇ La ₃ Zr ₂ O ₁₂ solid electrolyte by aerosol deposition
P	636	THR	2552395	Stefan Breuer	Graz University of Technology	Rapid Li Spin Dynamics in the Interfacial Regions of the Nanocrystalline Solid Electrolyte LiBH ₄
P	637	MON	2552406	Isabel Hanghofer	Graz University of Technology	Ion Transport in Lithium-Argyrodites Li ₆ PS ₅ X (X:Cl, Br,I): Activation Energies, Pre-Factors, Lattice Disorder and Polarizabilities
P	638	TUE	2552526	Maxim Yu Maximov	Peter the Great Saint Petersburg Polytechnic University	Investigation of lithiated tin oxide produced by ALD for high discharge rate thin film anode
P	639	THR	2552583	Niek de Klerk	Technical University Delft	Influence of electrode voltage on the interface resistance and thickness of the space-charge layer in all-solid-state batteries
P	640	MON	2552606	Syed Atif Pervez	Helmholtz Institute Ulm	Suppressing Li ⁺ /solid electrolyte interface resistance in solid-state Li-metal battery
P	641	TUE	2552613	Stephen R. Yeandel	Loughborough University	Fluoride induced cubic LLZO: Enhanced Li diffusion at low temperatures
P	642	THR	2552639	Hany El-Shinawi	University of Glasgow	Highly efficient and high capacity-performing nanoarchitectures for free standing electrodes in all solid-state Li-S batteries
P	643	MON	2552678	Saneyuki Ohno	Justus-Liebig-University Giessen	All solid-state Lithium-Sulfur battery with state-of-the-art solid electrolytes
P	644	TUE	2552898	Yiqiu Li	Chinese Academy of Sciences	Ion-Conducting and Electrochemical Properties of Garnet-Type Solid Electrolyte Thin Sheet Prepared by Tape-Casting Method

P	Number	Presentati on Date	Receipt Number	Presenter	Affiliation	Title
P	645	THR	2553054	Jing Yu	The Hong Kong University of Science and Technology	A ceramic/PVDF composite as ion-conducting electrolyte for quasi-solid-state lithium-ion batteries
P	646	MON	2553170	Wyatt E. Tenhaeff	University of Rochester	Novel Nitrile-Bearing Polymer Electrolytes for Solid State Lithium Batteries
P	647	TUE	2553363	Benjamin J. Morgan	University of Bath	A Molecular Dynamics Study of Anion Disorder Effects on Lithium Transport Mechanisms in Argyrodite Solid Electrolytes
P	648	THR	2553381	Nataly Carolina Rosero Navarro	Hokkaido University	Hybrid organic-inorganic material for interfaces in all-solid-state lithium battery based on oxide solid electrolyte
P	649	MON	2553394	Alla Letfullina	North Carolina Agricultural and Technical University / Joint School of Nanoscience and Nanoengineering	Molecular Rotation Based Hybrid Polymer Electrolyte for All Solid-State Batteries
P	650	TUE	2553402	Taro Hitosugi	Tokyo Institute of Technology	Extremely-low resistance at Li3PO4 electrolyte and Li(Ni0.5Mn1.5)O4 electrode interfaces
P	651	THR	2553510	Masahiro Saito	Toray Research Center Inc.	In situ RBS/NRA analysis for Li depth profile in solid state electrolyte
P	652	MON	2553515	Yuki Takeuchi	NGK SPARK PLUG CO., LTD	Preparation and evaluation of non-sintering type all-solid-state battery using garnet-type solid electrolyte
P	653	TUE	2553753	Kenji Nagao	Osaka Prefecture University	Novel Li2RuO3-Li2SO4 positive electrode active material for all-solid-state batteries
P	654	THR	2553768	Masahiro Yanagida	National Institute of Advanced Industrial Science and Technology (AIST)	Research and Development of All-Solid-State Lithium Ion Batteries using Hydride-based Solid Electrolytes - Manufacturing Method and its Performance -
P	655	MON	2553810	Yuka Nagata	Osaka Prefecture University	Charge-discharge performance of amorphous Na0.7CoO2-NaxMOy positive electrode active materials in bulk-type all-solid-state sodium batteries
P	656	TUE	2553812	Toshikatsu Kojima	National Institute of Advanced Industrial Science and Technology (AIST)	Sulfurized Alcohol Composite Cathode for All-Solid-State Battery
P	657	THR	2553889	Kazuhiro Hikima	Tokyo Institute of Technology	Reaction Mechanism of Li2MnO3 Epitaxial Film Electrodes in All-Solid-State Thin Film Batteries
P	658	MON	2553973	Sunho Choi	Hanyang University	Application of plate-like Li6PS5Cl synthesized by liquid-phase synthesis to sheet-type electrodes for all-solid-state lithium batteries
P	659	TUE	2554059	Fumika Tsuji	Osaka Prefecture University	Preparation of sodium ion conductive Na3-xSbS4-xClx glass-ceramic electrolytes
P	660	THR	2554135	Cheng Yu Wu	National Tsing Hua University	Polymer composites of micro-structured Li2Ni2TeO6 as separator for all solid-state lithium battery
P	661	MON	2554148	Kazunori Nishio	Tokyo Institute of Technology	Preparation of high quality epitaxial LiNi0.8Co0.2O2 thin films using pulsed laser deposition for all-solid-state lithium battery
P	662	TUE	2554186	Motoshi Suyama	Osaka Prefecture University	Cycling stability of all-solid-state lithium symmetric cells using Li3PS4-LiI electrolytes
P	663	THR	2554200	Jens Glenneberg	University of Bremen	Investigations on the electrochemical and morphological changes of solid-state batteries under mechanical stress
P	664	MON	2554213	Yuta Koizumi	Mie University	NASICON-Type lithium stable Lithium-ion Conducting electrolytes
P	665	TUE	2554230	Sangryun Kim	Tohoku University	Closo-type complex hydrides with cage-type complex anions for all solid-state battery electrolytes
P	666	THR	2554259	Yuta Kimura	Tohoku Univ.	Operando Observation of Reaction Distribution in a Composite Positive Electrode for Bulk-type All-Solid-State Lithium-Ion Batteries by Using CT-XAFS
P	667	MON	2554293	Daniel Rettenwander	Graz University of Technology	The Battery's New Clothes: Structure and Li-ion dynamics of the Crystalline Lithium-Rich Anti-Perovskites Li3OCl and Li2(OH)Cl
P	668	TUE	2554296	Han Ul Choi	Changwon National University	Reference Electrode Embedded in All-solid-state Batteries
P	669	THR	2554301	Gi Hwan Chang	Changwon National University	Preparation and Characterization of Li2S-C Composite Electrode for Sulfide Based All-solid-state Battery
P	670	MON	2554351	Chih-Long Tsai	Forschungszentrum Julich GmbH / Julich Aachen Research Alliance: JARA Energy	Temperature effect on Li wettability of garnet structured Li7La3Zr2O12
P	671	TUE	2554357	Chanwi Park	Hanyang University	Electrochemical properties of composite cathode with bimodal solid electrolyte for all-solid-state batteries
P	672	THR	2554377	Chuang Yu	Delft University of Technology	Probing Li-ion transport in Li6PS5X (X=Cl, Br)-based solid-state batteries
P	673	MON	2554388	Munekazu Motoyama	Nagoya University	Li Plating/Stripping Reactions on Oxide Solid Electrolytes
P	674	TUE	2554443	Won Jae Lee	Korea Electrotechnology Research Institute	All solid state Li ion Battery of Ni-Co-Mn cathode with LPSCl solid electrolyte
P	675	THR	2554514	Sangsoo Lee	Hanyang University	Preparation and electrochemical characterization of Li2S-P2S5-SnS2 lithium ion conducting glass-ceramics electrolyte
P	676	MON	2554535	Mayuko Osaki	Toyota Motor Corporation	Self-forming mechanism of a protection layer on the interface of LiFePO4 and sulfide solid electrolyte in all-solid-state batteries.
P	677	TUE	2554547	Jiu Ann	Hanyang University	Electrochemical and structural evaluation for all-solid-state batteries using mixture of conductive additives in sheet-type composite cathode
P	678	THR	2554558	Anja Paulus	Forschungszentrum Julich GmbH	Synthesis and Characterization of Li7-3xFexLa3Zr2O12 as Electrolyte in All Solid State Lithium Ion Batteries
P	679	MON	2554562	Robert Kun	University of Bremen / Fraunhofer Institute for Manufacturing Technology and Advanced Materials - IFAM	The influence of the hybrid polymer/ceramic interface on the Li-ion transport in composite solid state electrolytes
P	680	TUE	2554623	Violetta Anna Arszewlewska	Delft University of Technology	Towards high energy density silicon-based anodes in all-solid-state lithium batteries
P	681	THR	2554678	Yuma Matsuki	Osaka Prefecture University	Li plating/stripping behavior of Al-doped Li7La3Zr2O12 ceramics with different grain size
P	682	MON	2554698	Theodosios Famprikis	Universite de Picardie Jules Verne / University of Bath / ALISTORE European Research Institute	Oxysulfide Solid Electrolytes for Lithium- and Sodium-Ion All-Solid-State Batteries
P	683	TUE	2554708	Joo-Hwan Seo	The Pennsylvania State University	Cold sintering process for development of all solid-state batteries
P	684	THR	2554720	Guanchen Li	University of Oxford	Electrochemomechanics of solid electrolytes and critical currents
P	685	MON	2554748	Insang Yoon	Hanyang University	Electrochemical performance of all-solid-state lithium ion battery using Li2S-P2S5 glass-ceramics solid electrolyte at low temperature
P	686	TUE	2554772	Ingo Henning Bardenhagen	Fraunhofer Institute for Manufacturing Technology and Advanced Materials IFAM	Polymer-based Solid-State Batteries: Advanced Processing and Cell Design
P	687	THR	2554797	Li-Zhen Fan	University of Science and Technology Beijing	PEO/Garnet Composite Electrolytes for All-Solid-State Lithium Batteries: from "Ceramic-in-Polymer" to "Polymer-in-Ceramic"
P	688	MON	2554802	Toyoki Okumura	National Institute of Advanced Science and Technology (AIST)	Solid-State Battery assembled by LISICON-Li3BO3 Amorphous Electrolyte
P	689	TUE	2554811	Long Chen	University of Science and Technology Beijing	Enhanced interface stability of polymer electrolytes using organic cage-type cucurbit[6]uril for lithium metal batteries
P	690	THR	2554848	Kiyoharu Tadanaga	Hokkaido University	Composite cathode prepared from argyrodite-type Li6PS5Cl precursor solution containing dispersant agents for all-solid-state battery
P	691	MON	2554867	Chunguang Chen	Forschungszentrum Julich (IEK-9) / Eindhoven University of Technology	The degradation origin of all-solid-state thin-film Li-ion micro-batteries
P	692	TUE	2555795	Jun Zhang	Zhejiang University of Technology	High performance all-solid-state batteries with slurry coated LiNi0.8Co0.1Mn0.1O2 composite cathode and Li6PS5Cl electrolyte: effect of binder content
P	693	THR	2556260	Xia Lu	Beijing University of Chemical Engineering	Li-Li2O heterostructure: An interface hidden in the interfaces of rechargeable Li metal batteries
P	694	MON	2563874	Matthias Rumpel	Fraunhofer Institute for Silicate Research ISC / Julius-Maximilians University	Comparison of Various Approaches to Manufacture a Bulk Composite Cathode for All-Solid-State Batteries
P	695	TUE	2565310	Narumi Ohta	National Institute for Materials Science	Porous Amorphous Si Film Anodes for All-Solid-State Li Batteries
P	696	THR	2565436	Stefanie Zekoll	University of Oxford	A Hybrid Electrolyte with 3D Bicontinuous Ordered Ceramic and Polymer Microchannels for All-Solid-State Batteries
P	697	MON	2565476	Ruth Giesecke	Robert Bosch GmbH / Karlsruhe Institute of Technology (KIT)	Influence of temperature treatment and grain boundary modification of Li-argyrodite Li6PS5Cl
P	698	TUE	2565570	Hungru Chen	Murata Manufacturing Co., Ltd.	Structural Effects on Lithium-Ion Diffusion in Perovskite Lithium Lanthanum Titanate: an Ab Initio Molecular Dynamics Study
P	699	THR	2565961	Xiaojuan Lu	North China Electric Power University	The role of mesoporous materials on the lithium ion conduction in solid lithium conductors
P	700	MON	2566139	Yuichi Hasegawa	Toray Research Center Inc.	Chemical and structural changes of 70Li2S-30P2S5 solid electrolyte during heat treatment
P	701	TUE	2566320	Wenze Huang	Tokyo Institute of Technology	Synthesis and Electrochemical Properties of Solid Lithium Ion Conductors in Li4+xAlxSi1-xS4 System
P	702	THR	2566466	Giovanna Bucci	Massachusetts Institute of Technology	Mechanical stability of all-solid-state lithium-ion batteries
P	703	MON	2566711	Atsushi Inoishi	Kyushu University	Single-phase all-solid-state battery with NASICON
P	704	TUE	2566760	Ting-Ju Yeh	Industrial Technology Research Institute (ITRI)	Improving the High Conductivity and safety of the Polymer electrolyte for Solid State Lithium ion battery
P	705	THR	2566931	Satoshi Hori	Tokyo Institute of Technology	Solid electrolytes with Li10GeP2S12-type structure in the Li?S?P?S?O system: electrochemical properties and structure?composition relationships
P	706	MON	2567250	Philipp Kehne	TU-Darmstadt	Interface formation and properties in a NaCoO2/Nasicon/Na all-solid-state battery
P	707	TUE	2567385	Mizuki Hamada	Tokyo University of Science	Fabrication of All-Solid-State Sodium Polymer Battery
P	708	THR	2567418	Takeshi Kobayashi	Laboratoire de Reactivite et Chimie des Solides / Central Research Institute of Electric Power Industry	All solid-state sodium battery with two-step sintering processes

P	Number	Presentati on Date	Receipt Number	Presenter	Affiliation	Title
P	709	MON	2567496	Wensheng Tian	Shanghai Institute of Space Power Source	Preparation and performance of nanoparticles modified solid-state polymer lithium battery
P	710	TUE	2567665	Conn O'Rourke	University of Bath	Lithium Conductivity and Connectivity in (LiAl)-Doped MgAl ₂ O ₄ Spinel Electrolytes
P	711	THR	2567690	Kunimitsu Kataoka	National Institute of Advanced Industrial Science and Technology (AIST)	Development of all-solid-state secondary lithium battery using garnet-type single crystal electrolyte
P	712	MON	2567729	Florian Hausen	Forschungszentrum Julich, IEK-9	Correlative Electrochemical Strain Microscopy and Scanning Electron Microscopy on Solid State Electrolytes
P	713	TUE	2567973	Keitaro Sodeyama	National Institute for Materials Science (NIMS)	Ab Initio Study on Buffer Layer, Li Depletion, Ion Mixing at Interfaces between LiCoO ₂ and Sulfide Electrolyte in All-Solid-State Battery
P	714	THR	2567993	Richard Park	Massachusetts Institute of Technology	Lithium "dendrite" morphology in transparent single crystal lithium ion conductors
P	715	MON	2568030	Abdel El kharbachi	Institute for Energy Technology	Structural and Electrochemical Study of Mixtures of Halogenated-LiBH ₄ and Amorphous 0.75Li ₂ S-0.25P ₂ S ₅ for Li ⁺ Conducting Solid Electrolytes
P	716	TUE	2568137	Jack Hodgkinson	University of Cambridge	Conduction Pathways in Alkali Lanthanide Pyrosilicates, A ₃ LnSi ₂ O ₇
P	717	THR	2568561	Atsushi Sakuda	Osaka Prefecture University	Mechanochemical Synthesis of Hexagonal Li ₄ + ₂ xSn _{1-x} MxS ₄ solid electrolytes
P	718	MON	2583958	Swapna Ganapathy	Delft University of Technology	Peeking across grain boundaries in a solid-state ionic conductor
P	719	TUE	2591430	Lilu Liu	Chinese Academy of Sciences	Toothpaste-like Electrode: A Novel Approach to Optimize the Interface for Solid-State Sodium-Ion Batteries with Ultralong Cycle Life
P	720	THR	2593893	Luyi Yang	Peking University Shenzhen Graduate School	Interface Engineering for Solid-State Electrolyte in Lithium-ion Batteries
P	721	MON	2594924	Maria Lourdes Purisima Potestad	National Cheng Kung University	Ab-initio study on cubic La ₇ L ₃ Zr ₂ O ₁₂ for all solid-state batteries
P	722	TUE	2595224	Nga Yu Hau	Nano and Advanced Materials Institute Limited	Printable Rollable Battery with UV-curable Solid Electrolyte for Wearable Purpose
P	723	THR	2595575	Xiaohan Wu	Paul Scherrer Institut	Interfacial reaction mechanism between amorphous (Li ₂ S) ₃ -P ₂ S ₅ solid electrolyte and LiCoO ₂ in All-Solid-State Batteries elucidated by Operando X-ray Photoelectron Spectroscopy
P	724	MON	2617001	Shyue Ping Ong	University of California San Diego	Elucidating Interfacial Reactions in Rechargeable Alkali-Ion Batteries
P	725	TUE	2536503	Dongsheng Geng	University of Science and Technology Beijing	Engineering Defect-Rich Ni Layered Double Hydroxide Electrocatalyst on N-CNTs for Rechargeable Zn-Air Batteries
P	726	THR	2544578	Zhicong Shi	Guangdong University of Technology	3D HIERARCHICALLY POROUS COPPER STABLE LITHIUM STORAGE
P	727	MON	2545152	Ruizhi Yang	Soochow University	Carbon-free Cathode for Li-O ₂ Batteries with Long Life and High Efficiency
P	728	TUE	2545371	Chi-Chang Hu	National Tsing Hua University	Engineering the Active Sites of Bifunctional Electrocatalysts of Ternary Spinel Nickel-Cobalt Oxides, M _x Ni _{1-x} Co ₂ O ₄ , for the Air Electrode of Rechargeable Zinc-Air Batteries
P	729	THR	2548769	Bing Sun	University of Technology Sydney	Hierarchical Porous Carbon Spheres for High Performance Na ⁺ O ₂ Batteries
P	730	MON	2548916	Masahiko Hayashi	NTT Corporation	Preparation and Electrochemical Properties of Millimeter-order-thick Air Electrodes for Lithium Air Secondary Batteries
P	731	TUE	2549559	Emmanuel Olugbemisola Aremu	University of Ulsan	An Investigation of the Electrochemical Properties of Molybdenum (IV) Sulfide as Anode Additive for Secondary Iron Air Battery
P	732	THR	2550583	Sho Ejima	Mie University	SEI Film on Lithium Metal Anode in Mixed-Salt System
P	733	MON	2550753	Kai Jiang	University of Science and Technology Beijing	Modelling Discharge Performance of Non-aqueous Lithium-Air Batteries with Hierarchical Cathode
P	734	TUE	2550805	Daniel Stock	Justus-Liebig-University Giessen	Enhancing the cycling stability of zinc anodes with anion-exchange ionomer
P	735	THR	2552725	Hyun-Sik Woo	Hanyang University	Semi-IPN Composite Gel Polymer Electrolyte with Vinyl-Functionalized Silica for Lithium-Oxygen Batteries
P	736	MON	2552921	Graham M. Leverick	Massachusetts Institute of Technology	Understanding the Role of Solvent and Added Water on the Effectiveness of Lithium Iodide as a Redox Mediator in Lithium Oxygen Batteries
P	737	TUE	2553076	Yu Wang	Chinese University of Hong Kong	Oxidation mechanism of Li ₂ O ₂ and its implication in Li-O ₂ batteries
P	738	THR	2553088	Zhuojian Liang	The Chinese University of Hong Kong	A High-Temporal-Resolution Online Electrochemical Mass Spectrometer System for Battery Studies
P	739	MON	2553148	Fang Lian	University of Science and Technology Beijing	Significantly Improving the Durability of Gel Polymer Electrolyte Based Lithium-air Batteries
P	740	TUE	2553345	Manik Mayur	Offenburg University of Applied Sciences	Influence of electrolyte and cell design on the performance of a Li-air button cell: a multi-step kinetics and 2D transport model
P	741	THR	2553440	Yuki Sasaki	Japan Fine Ceramics Center	In-situ Observation of Zn Electrodeposition with Environmental TEM
P	742	MON	2553458	Shuhei Sakamoto	NTT Corporation	The Dependence of the Electrochemical Properties of Lithium Air Batteries on Manganese Salen Complex Concentration in Nonaqueous Electrolyte Solutions
P	743	TUE	2553636	Akihiro Nomura	National Institute for Materials Science	CNT Sheet Air Electrode for the Development of Lithium-Air Battery Cells with Ultra-High Capacities
P	744	THR	2553734	Mihui Park	Dongguk University	Surface energy modulation of PdCu nanocatalysts via the crystal structure change for lithium-oxygen batteries
P	745	MON	2553751	Zhaofeng DENG	The University of Hong Kong	MnO ₂ -Based Nanostructure as a Carbon-Free and Binder-Free Cathode for Li-O ₂ Battery
P	746	TUE	2553890	Shunya Ishii	Tokyo University of Agriculture & Technology	Fast Li-ion Transport by Using Binary Solvent Systems for Glyme-based Electrolyte of Li-air Batteries
P	747	THR	2554043	Seongjun Bae	Seoul National University	Reversible cathode catalyst for lithium-oxygen battery using zirconia support
P	748	MON	2554125	Seon Hwa Lee	Hanyang University	Bi-functional Soluble Catalyst, RuBr ₃ , for High Efficiency Li ⁺ O ₂ Batteries
P	749	TUE	2554169	Irene Ruggeri	Alma Mater Studiorum Bologna University	Carbon-based catholytes for semi-solid Li/O ₂ flow battery
P	750	THR	2554257	Won-Jin Kwak	Hanyang University	Dual Cell System for Li-O ₂ Batteries
P	751	MON	2554352	SeongJin Park	Hanyang University	Synergy Effect of the Concentrated Redox Mediator and Protective Layer of Lithium Metal for Li-O ₂ Batteries
P	752	TUE	2554497	Hun Kim	Hanyang University	Na-O ₂ Batteries Based on Na ₂ -xO ₂ Evolution
P	753	THR	2554504	Arghya Dutta	National Institute for Materials Science (NIMS)	The effect of discharge conditions on recharge profile of Li-Oxygen battery
P	754	MON	2554578	Hye Ryung Byon	Korea Advanced Institute of Science and Technology (KAIST) / RIKEN / Advanced Battery Center	Critically Examining the Role of Nanocatalysts in Lithium-Oxygen Batteries: Viability towards Suppression of Recharge Overpotential, Rechargeability and Cyclability
P	755	TUE	2554593	Erlendur Jonsson	University of Cambridge / Chalmers University of Technology	A closer theoretical and experimental look at iodine in Li-air chemistry
P	756	THR	2554628	Yusuke Okamoto	National Institute of Technology, Nara College	Electrochemical properties of electrochemical co-precipitated Mg-Al Layered Double Hydroxides
P	757	MON	2554685	Byung Gon Kim	Korea Electrotechnology Research Institute	Ordered Mesoporous TiN as a Promising Carbon-Free Cathode for Aprotic Li-O ₂ Batteries
P	758	TUE	2554841	Xiaobin Liu	University of Science and Technology Beijing	MOF-Derived CoSe ₂ Microspheres with Hollow Interiors as High-Performance Electrocatalysts for Enhanced Oxygen Evolution Reaction
P	759	THR	2554852	Torbjorn Gustafsson	Uppsala University	On the Stability of NaO ₂ in Na-O ₂ Batteries
P	760	MON	2555511	Fanny Barde	Toyota Motor Europe	Design of new ionic liquids with increased oxygen solubility for Li-O ₂ battery
P	761	TUE	2563020	Hee-Sang Kim	Chonnam National University	Effects of an Organic Electrolyte Additive on the Stability of Lithium Metal Anode for Rechargeable Batteries
P	762	THR	2565645	Xing Xin	National Institute for Materials Science	Br ⁻ /NO ₃ ⁻ dual-anion electrolyte for suppressing charge voltage and dendrite formation of Li/O ₂ Batteries
P	763	MON	2566332	Qingyou Bai	Shanghai Institute of Space Power-sources	A Flexible of Macroporous Pd@C Composite Air Electrode for High-Energy Nonaqueous Lithium Oxygen Batteries
P	764	TUE	2566336	Lee R Johnson	University of Nottingham	Cathode Reactions In The Rechargeable Aprotic Li-O ₂ Battery
P	765	THR	2566449	Zhaolong Li	Delft University of Technology	Seed Catalyst Enable Enhanced Cyclability on Deep (Dis)Charge in Aprotic Li-O ₂ Batteries
P	766	MON	2568111	Francesca De Giorgio	Universita di Bologna	Design of Novel Redox Flow Batteries
P	767	TUE	2580702	Wei-Hong Lai	University of Wollongong	Ultra-refined cavity Pt ₃ Co@Pt@porous C based core@skin@shell nanostructure as a High-Performance ORR Catalyst
P	768	THR	2588560	Wanwan Wang	The Chinese University of Hong Kong	Superoxide stabilization and a universal KO ₂ growth mechanism in potassium-oxygen batteries
P	769	MON	2591707	Yuto Miyahara	Kyoto University	Oxygen Electrocatalysis on Cobalt-Based Layered Perovskite Oxychlorides in Alkaline Media
P	770	TUE	2595045	Suk Hyun Kang	Kyung Hee University	High Performance of Monosaccharide Coated Zn Anodes as Bifunctional Corrosion Inhibitors for Zn-Air Batteries
P	771	THR	2595056	Yong Nam Jo	Kyung Hee University	Effect of Alloys and Coatings on the Electrochemical and Corrosion Properties of Zn Anodes in Zn-Air Batteries
P	772	MON	2520036	Jim P Zheng	Florida State University	Energy Density Limitation of Lithium-Sulfur Batteries

P	Number	Presentati on Date	Receipt Number	Presenter	Affiliation	Title
P	773	TUE	2521074	Jungjin Park	Lawrence Berkeley National Laboratory / Seoul National University	The Importance of Hierarchical Morphology and Adjacent Electronic Conduction Paths of Next-Generation Lithium-Ion Batteries
P	774	THR	2532375	Yongcheng Jin	Qingdao Institute of Bioenergy and Bioprocess Technology	Reduced Polysulfide Shuttle Effect by Using Polyimide Separators with Ionic Liquid-based Electrolytes in Lithium-Sulfur Battery
P	775	MON	2540046	Yueying Peng	Xiamen University	Dual-Doped Hollow Carbon Nanospheres Derived from Catechol/Polyamine as Sulfur Hosts for Advanced Lithium Sulfur Batteries
P	776	TUE	2540304	Shaozhan Huang	Singapore University of Technology and Design	WS2 Nanopetal Catalyst Embedded in 3D rGO-CNT Aerogel for High Areal Capacity Lithium-Sulfur Batteries
P	777	THR	2540695	Hong Gan	Brookhaven National Laboratory	Effect of Cell Design on Li-S Battery Discharge Power Capability
P	778	MON	2545471	Irina Belenkaya	Tel Aviv University	Lithiated Chalcopyrite Cathodes for Rechargeable Li-ion Batteries
P	779	TUE	2547260	Chunzhong Wang	Jilin University	Anchoring and Electrocatalysis Effects of S-deficient MoS ₂ -δ for Li-S Batteries: Experiments and First-principles Calculations
P	780	THR	2548002	Sara Drvaric Talian	National Institute of Chemistry, Slovenia	Fluorinated ether based electrolyte for high-energy lithium-sulfur batteries: Li ⁺ solvation role behind reduced polysulfide solubility
P	781	MON	2548175	Xiao-Qing Yang	Brookhaven National Laboratory	Novel Organosulfide electrodes for Lithium-Sulfur Battery
P	782	TUE	2548517	Sun-Young Lee	Korea Basic Science Institute	Garlic peel derived mesoporous carbon for high-performance lithium-sulfur batteries
P	783	THR	2549254	Bo Liu	Singapore University of Technology and Design	NiCo ₂ S ₄ Catalysts Grown on a Carbon Textile Interlayer for High Performance Li-S Battery
P	784	MON	2549688	Junki Kim	KOREA BASIC SCIENCE INSTITUTE / Dong-A University	Enhanced lithium-sulfur battery performance by mesoporous-hollow carbon from using milkweed fiber
P	785	TUE	2551068	Qi Liu	Tsinghua University	β-Cyclodextrin Functionalized r-GO nanofilms for High Performance Lithium-Sulfur Batteries
P	786	THR	2551616	Hyunwon Chu	Korea Advanced Institute of Science and Technology (KAIST)	Investigation of the role of electrolyte anions on Li ₂ S electrodeposition chemistry for high-performance Li-S batteries
P	787	MON	2551802	Keiji Shimoda	Kyoto University	Solid State NMR Study of Lithium Iron Polysulfide Li ₈ FeS ₅ During Charge/Discharge Cycle
P	788	TUE	2552131	Wonhee Kim	Gwangju Institute of Science and Technology	The Full Cell Design Using Conductive Polymer Coated Selenium Sulfide As Cathode and Lithiated Silicon As Anode
P	789	THR	2552275	Soumyadip Majumder	Hong Kong University of Science and Technology	Two Dimensional WS ₂ /C Nanosheets as a Polysulfide Immobilizer for High Performance Lithium-Sulphur Batteries
P	790	MON	2552726	Junhwan Ahn	Hanyang University	Metal Sulfide-Based Functional Material for Chemical Confinement of Polysulfide in Li-S Battery
P	791	TUE	2552745	Yunwen Wu	Waseda University	Versatile Electrochemical Ways to Fabricate Lithium Sulfide Cathodes in Glyme-based Bath
P	792	THR	2552965	Jun Liu	Guangdong University of Technology	rGO@Se@Ni cathode materials for lithium-selenium battery
P	793	MON	2553580	Fangmin Ye	KAIST	An Ultra-high Capacity Graphite/Li ₂ S Battery with Holey Li ₂ S Nanoarchitectures
P	794	TUE	2553909	Hea rin Jo	Hanbat National University	A Study on the Improvement of Electrochemical Performance of Lithium-sulfur Battery through Coating Membrane
P	795	THR	2553934	Yoshiharu Matsumae	Yokohama National University	Effect of Cathode Porosity on High Loading Li-S Battery Performance with Sparingly Polysulfide-Solubilizing Electrolyte
P	796	MON	2553947	Almagul Mentbayeva	Nazarbayev University	S/PAN/C flexible composite cathode made of nanofibers formed by electrospinning
P	797	TUE	2553996	Nobuyuki Serizawa	Keio University	Deposition and dissolution of Li in LiN(CF ₃ SO ₂) ₂ -glyme solvate ionic liquids for rechargeable Li-S batteries
P	798	THR	2554002	Jinkyu Park	Hanbat National University	A Study on the Electrochemical Properties of Polymer Sulfur Electrode according to Conductive Material Types
P	799	MON	2554228	Rui Zhang	Tsinghua University	Carbon Fibers based Composite Lithium Anode for Lithium Metal Batteries
P	800	TUE	2554267	Hee Min Kim	Hanyang University	Sulfurized-Carbonized Polyacrylonitrile Cathode with Modified Binder and Electrolyte Additive for High-Performance Lithium-Sulfur Batteries
P	801	THR	2554268	Li qin Dai	Chinese Academy of Sciences	High-Performance Li-S Batteries with a Ketjenblack/rGO Coated Separator
P	802	MON	2554276	Catia Arbizzani	Alma Mater Studiorum Bologna University	Li/sulfur and Li/polysulfide systems: an investigation on electrode protections and electrode/electrolyte interfaces
P	803	TUE	2554341	Yoshiaki Fukuda	ULVAC, Inc.	High performance Li-S secondary battery using CNT electrode
P	804	THR	2554363	Kazuto Koganei	National Institute of Advanced Industrial Science and Technology(AIST)	Electrochemical property of low crystalline VS ₄ electrode material prepared by mechanical milling
P	805	MON	2554372	Erina Yamauchi	National Institute of Advanced Industrial Science and Technology	Mechanism of Improving Cycle Capability of Li ₂ S-FeS Composite Positive Electrode Materials by Surface Coating
P	806	TUE	2554400	Kota Suzuki	Tokyo Institute of Technology	Liquid-Phase Mixing of Sulfur-Carbon Replica-Li ₁₀ GeP ₂ S ₁₂ Composite Electrode for All-Solid-State Lithium-Sulfur Batteries
P	807	THR	2554468	Hyungjun Noh	Korea Advanced Institute of Science and Technology	Structural change of the discharge products in lithium sulfur battery during storage
P	808	MON	2554476	Keitaro Takahashi	Kogakuin University	Compatibility of high-concentrated solvate ionic liquids and low-viscosity dilute solvent
P	809	TUE	2554489	Yuki Ishino	Kogakuin University	Investigation of degradation factor for lithium-sulfur batteries by quantitative determination analysis using UV-vis spectra
P	810	THR	2554560	Tomas Kazda	Brno University of Technology	Improved Lithium-Sulfur Batteries with a Protective Electrode Surface Layer Based on Graphene Oxide
P	811	MON	2554567	Seok-Kyu Cho	Ulsan National Institute of Science and Technology (UNIST)	Amphiphilic DNA-assembly for high-performance Li-S batteries
P	812	TUE	2554630	Matthew James Sadd	Chalmers University of Technology	Tracing polysulphide speciation in salt-free semi-liquid Li-sulphur cells through in-situ Raman Spectroscopy
P	813	THR	2554649	Hobeom Kwack	Korea Advanced Institute of Science and Technology	Micro-patterned sulfur electrode for high-sulfur-loaded lithium sulfur batteries
P	814	MON	2554715	Paul Titscher	TU Braunschweig / Battery LabFactory Braunschweig	Mechanically manufactured composite materials for cathodes in lithium-sulfur batteries
P	815	TUE	2554858	Jingying Xie	Shanghai Institute of Space Power-sources	The stability of gel polymer electrolyte in liquid Li-S battery
P	816	THR	2555332	Ratnakumar V Bugga	Jet Propulsion Laboratory / Caltech	High Energy Density Lithium/Sulfur Batteries for NASA Space Missions
P	817	MON	2556176	Samuel Joseph Fretz	Chalmers University of Technology / Stanford University	Bromomethylation of carbon: A versatile synthetic building block for functional surfaces
P	818	TUE	2556316	Tomonari Takeuchi	National Institute of Advanced Industrial Science and Technology (AIST)	Preparation of lithium iodide-doped Fe-containing Li ₂ S-based positive electrode materials applicable for Li-S battery
P	819	THR	2557279	Feixiang Wu	Max planck institute for solid state research	A Sulfur-Limonene based Electrode for Lithium-Sulfur Batteries: High-Performance by Self-Protection
P	820	MON	2560602	Arindam Haldar	The Hong Kong University of Science and Technology / The Hong Kong Polytechnic University	Facile synthesis of common Sulphur cathode using crosslinked Chitosan-tripolyphosphate binder and Carbon nanofibers
P	821	TUE	2563442	Wan Ting Tsou	National Tsing-Hua University	Enhanced Electrochemical Properties by Si-doped ZnO Applied to Lithium-Sulfur Batteries
P	822	THR	2565163	Guang He	Tianjin University of Technology	Fabrication of C/S Cathodes with Super-High Sulfur Content
P	823	MON	2565404	Yong Li	Fudan University / Shanghai Institute of Space Power Sources, shanghai	Dual-protective Effect of the Flexible SWCNTs/TiO ₂ interlayer for Highly Stable Lithium Sulfur Batteries
P	824	TUE	2566368	Gebrekidan G. Eshetu	CIC Energigune	Ultra-high performance all-solid-state Li-S cells: Effect of Salt anion's chemistry and functional additives
P	825	THR	2567208	Min-Seop Kim	Korea Institute of Science and Technology / Korea University	Fabrication of practical high energy density cathode using commercial ketjen black and aqueous binder for lithium-sulfur batteries
P	826	MON	2567436	En Mei Jin	Chungbuk National University	Electrochemical properties of coaxial electrospun porous carbon nanotube wrapped sulfur cathode materials for lithium-sulfur battery
P	827	TUE	2568092	Phuti Esrom Ngoepe	University of Limpopo	Computer Simulation and Phase Diagram Prediction of Li ₂ S _{1-x} Sex Systems
P	828	THR	2568121	Simon Lindberg	Chalmers Technical University	A semi-liquid catholyte based Li-S system for fast charging energy storage
P	829	MON	2568323	Yukiko Matsui	Kansai University	Performance of S cathode composed of microporous activated carbon with high S loading and porous 3-D current collector
P	830	TUE	2595656	Molleigh B Preefer	University of California, Santa Barbara	Crosslinked disulfide materials as cathodes for stable cycling in Lithium-Sulfur batteries
P	831	THR	2520096	Matteo Bianchini	Lawrence Berkeley National Laboratory, Berkeley / UC Berkeley, Berkeley	Investigation of the Na-M-O phase diagram and preparation of the related high-voltage P2 cathodes for Na-ion batteries
P	832	MON	2536002	Xue Li	Kunming University of Science and Technology	Crystalline-controllable combustion synthesis of ferrite-based anode materials for sodium ion batteries
P	833	TUE	2541320	Changbao Zhu	Sun Yat-sen University	High Power-High Energy NASICON-Type Sodium Cathodes
P	834	THR	2543158	Liping Wang	University of Electronic Science and Technology of China	TiS ₂ as a High Performance Potassium Ion Battery Cathode in Ether-based Electrolyte
P	835	MON	2544269	Wen Liu	Shanghai Institute of Space Power-Sources	Enhance electrochemical performance of sodium/carbon fluorides batteries by flexible, binder-free film electrodes
P	836	TUE	2545344	Fazlil Coowar	Faradion Limited	High Energy Density Na-ion Battery Technology

P	Number	Presentati on Date	Receipt Number	Presenter	Affiliation	Title
P	837	THR	2545680	Danni Lan	the Chinese University of Hong Kong	Developing Sn4P3/SbSn Nanocomposites for Anode Application in Sodium Ion Batteries
P	838	MON	2547902	Christian Chandra	Sungkyunkwan University	Silicon Oxycarbide for High-Performance Sodium Ion Battery Anodes
P	839	TUE	2547944	Stevanus Alvin	Sungkyunkwan University	Exceptional Na-Ion Storage Mechanism in Hard Carbon : Critical Role of Micropores
P	840	THR	2548064	Yong-Ning Zhou	Fudan University	Layer-structured P2-Na0.66[Mn0.6Ni0.4-xMgx]O2 Cathode Materials for Sodium-ion Batteries
P	841	MON	2548176	Prabeer Barpanda	Indian Institute of Science	Electrochemical and Electrocatalytic Behavior of Phosphate Class of Sodium Insertion Materials: Few Case Studies
P	842	TUE	2548415	Shaohua Guo	Nanjing University	Environmentally stable interface of layered cathodes for sodium-ion batteries
P	843	THR	2548597	Titus Masese	National Institute of Advanced Industrial Science and Technology (AIST)	P2-Type Orthotellurate Cathode Frameworks for Potassium-Ion Battery
P	844	MON	2548896	Rachid Essehli	Hamad Bin Khalifa University (HBKU), Qatar	High voltage Na3Fe0.3V1.7O(P04)2F2 cathode material for sodium ion batteries
P	845	TUE	2549043	Harry Robert Martin Geary	Warwick University	Aqueous Sodium Ion Electrode Inks for Printed Batteries
P	846	THR	2549073	Pablo A. Aparicio	Cardiff University	NaVOPO4 Polymorphs as Cathode Materials for Na-ion Batteries: Structure, Electronic Properties and Diffusion Pathways
P	847	MON	2550559	Tokio Yamabe	Nagasaki Institute of Applied Science	Quantum Chemical Study of Sodium Intercalation to Graphene Sandwich Structure
P	848	TUE	2551620	Fei Du	Jilin University	Self-Assembled Hierarchical KTi2(P04)3@C Porous Spheroid as the High Rate-Capacity Anodes for Sodium-Ion and Potassium-Ion
P	849	THR	2551928	Benoit Mortemard de Boisse	The University of Tokyo	Highly Reversible Oxygen-Redox Chemistry at 4.1 V in Na4/7x[?1/7Mn6/7]O2 (? Mn vacancy)
P	850	MON	2552051	Hiroyuki Usui	Tottori University	Sn4P3 Negative Electrode in Ionic Liquid Electrolyte for Na-Ion Battery
P	851	TUE	2552349	Tatau Shimada	The University of Tokyo	First principles analyses on the sodium iron pyrosilicate Na2Fe2Si2O7
P	852	THR	2552382	Keiron Noble-Vickrage	WMG	Hybrid Sodium-Potassium Vanadium Sulfate Batteries
P	853	MON	2552494	Mihee Jeong	Sungkyunkwan University	Structural characterization of NaNi1/3Fe1/3Mn1/3O2 cathode material for Rechargeable Sodium-Ion Batteries
P	854	TUE	2552515	Amine Bouibes	Nagoya University / Japan Science and Technology Agency	Microscopic Effect of FEC Additive Concentration on SEI Film Formation in Na-ion Batteries
P	855	THR	2552629	Philippe Poizot	Universite de Nantes, CNRS	Innovative rocking-chair dual-ion aqueous battery: towards low cost grid storage
P	856	MON	2552636	Kyung-Wan Nam	Dongguk University-Seoul	New layer- and tunnel- Structured Materials for Sodium-Ion Batteries
P	857	TUE	2553055	Jaehoon Kim	Sungkyunkwan University	Synthesis of high energy density Bi-RGO anode materials for sodium ion batteries using simple supercritical reaction
P	858	THR	2553126	Claire Villeveille	Paul Scherrer Institute	How reliable is the Na metal as a reference electrode?
P	859	MON	2553131	Lina Zhao	University of Science and Technology Beijing	Carbon-Coated Na3V2(P04)3 Micro-Flower as a Superior High-Rate and Long-life Cathode for Sodium-Ion Battery
P	860	TUE	2553206	Jeng-Shin Lu	Chung Yuan Christian University	Electrochemical properties of CoV2O4: A novel anode material for sodium-ion batteries
P	861	THR	2553222	Elena Stojanovska	Istanbul Technical University	Sn-MoS2 Composite Fibrous Carbon Anodes for Sodium Ion Battery
P	862	MON	2553224	Tomooki Hosaka	Tokyo University of Science	Superconcentrated KFSa Solution for 4 V Class Potassium-Ion Batteries
P	863	TUE	2553254	Shubham Kaushik	Kyoto University	Copper-phosphide Carbon Composite as Negative Electrode for Sodium Secondary Battery using Ionic Liquid Electrolyte
P	864	THR	2553277	Bizhe Su	City University of Hong Kong	Na2SeO3: A Novel Na-Ion Battery Cathode Material with High Capacity
P	865	MON	2553320	Randy Jalem	National Institute for Materials Science / Japan Science and Technology Agency (JST) - PRESTO	Computational Investigation on the Sodium Ion Transport Property of Oxyfluorinated Titanium(IV) Phosphate Na3Ti2P2O10F for Sodium Ion Battery Application
P	866	TUE	2553324	Ananta Sarkar	Indian Institute of Technology Bombay	Exceptionally high capacity cathode and Full Cell Study on Sodium-ion Battery
P	867	THR	2553329	K. P. Lakshmi	Indian Institute of science education and research	Antimony oxychloride/Graphene Aerogel Composite as Anode material for Sodium and Lithium Ion Batteries
P	868	MON	2553332	Manikoth M Shajumon	Indian Institute of Science Education & Research Thiruvananthapuram	Few-layer Sb2Te3 nanoflakes and their Graphene Composite as Anode material for Sodium-Ion Batteries
P	869	TUE	2553366	Andrzej Jan Kulka	AGH University of Science and Technology	Synthesis and evaluation of the structural and electrochemical properties of MoS2 anodes for Na-ion batteries.
P	870	THR	2553403	Jieun Hwang	Sungkyunkwan University	Preparation of uniform and ultrathin carbon coated Sn-RGO composite anode materials for sodium ion batteries using liquid carbon dioxide
P	871	MON	2553570	Yew Von Lim	Singapore University of Technology and Design	Prussian-blue Analogue Derived Anode Materials: High Performance WS2, ReS2, and FeP carbon composites for Sodium-ion Batteries
P	872	TUE	2553611	Kai Zhu	Harbin Engineering University	A New Layered Sodium Molybdenum Oxide Anode for Full Intercalation-Type Sodium-Ion Batteries
P	873	THR	2553650	Jinkwang Hwang	Kyoto University	Fabrication of Na3V2(P04)3/C as a Positive Electrode with High Power Densities for Sodium Secondary Battery Utilizing Ionic Liquid Electrolyte
P	874	MON	2553696	Irish Valerie B Maggay	Chung Yuan Christian University	Effect of different calcination temperatures on the electrochemical properties of ZnV2O4 as an anode material for Na-ion batteries
P	875	TUE	2553703	Junghoon Yang	Dongguk University-Seoul	Novel approach to synthesize sodium manganese oxide with P- and O- type mixed phases : a study on the natural formation of sodium carbonate and its activation method
P	876	THR	2553716	Janakiraman Balachandran	Shell Technology Center, Shell India Markets Pvt. Ltd, Bangalore, India	Integrated Computational and Experimental Study of Sodium Intercalation Cathode Materials
P	877	MON	2553933	A. Shahul Hameed	Tokyo University of Science / Kyoto University	Facile synthesis of Layered Metal Organophosphate Open Frameworks (MOPFs) for high voltage electrode material in K-Ion Batteries
P	878	TUE	2554103	Laura Lander	University of Tokyo	Fe-based SO4-PO3F heteropolyanionic cathodes for sodium-ion batteries
P	879	THR	2554279	Remco van der Jagt	Delft University of Technology	Tunable organic polymers for Na-aqueous batteries
P	880	MON	2554320	Xiaoyu Zhang	Nanjing University	Reversible cation migration and large hysteresis in layered structures material for sodium ion batteries
P	881	TUE	2554349	Mario Aparicio	Instituto de Ceramica y Vidrio (CSIC)	WO3 thin film prepared by magnetron sputtering for electrodes in Na-ion batteries
P	882	THR	2554398	Shih-Fu Liu	National Tsing Hua University	Biomass Waste-Derived Silicon with Carbon coating as Anode Material for Sodium Ion Batteries
P	883	MON	2554403	Jang-Yeon Hwang	Hanyang University	Extending the life-span of O3-type layered oxide cathode enabled by the nanoscale aluminum oxide coating for high-energy density sodium-ion batteries
P	884	TUE	2554440	Kosuke Kawai	The University of Tokyo	High-potential Cathode Properties of NASICON-type Cr(III)-based Phosphate
P	885	THR	2554478	Ching Kit Ho	The University of Hong Kong	Scalable Template-Free Synthesis of Na2Ti3O7/Na2Ti6O13 Nanorods with Composition Tunable for Synergistic Performance in Sodium-Ion Batteries
P	886	MON	2554616	Mi-Sook Kwon	Seoul National University	P2-Type Layered Sodium Manganese Oxide as Cathode Materials for Na-Ion Batteries
P	887	TUE	2554624	Lijun Fu	Nanjing Tech University	TiO2 nanotubes-rGO composites as negative electrode materials for sodium ion batteries
P	888	THR	2554643	Mohammad Hussein Naseef Al Asadi	National Institute for Materials Science (NIMS) / University of Tsukuba	Surveying Ilmenite Type 4d Transition Metal Oxides for Na Ion Battery Cathodes with High Potential and High Capacity
P	889	MON	2554754	Dongliang Chao	University of California Los Angeles / Nanyang Technological University	Three-Dimensional Array Electrodes Designed for High-Rate Full Sodium Ion Storage Device
P	890	TUE	2554757	Samuel Joseph Roberts	University of Warwick	Stabilising Additives for High Nickel Content Sodium-ion Cathode Inks
P	891	THR	2554838	Tianshi Wang	University of Science and Technology Beijing	Nanowire-reinforced 3D porous Cu current collector for controllable and dendrite-free Na metal plating/stripping
P	892	MON	2554908	Daniela Ledwoch	University College London	The Influence of Porosity and Ionic Conductive Additives on the Apparent Diffusion Coefficient in Hard Carbon Electrodes in Sodium Ion Batteries
P	893	TUE	2555129	Jagabandhu Patra	National Central University	Effects of Binders on Electrochemical Na+ Storage Properties of Tin Oxide Nanocomposite: The Effective Way to Reach High Performance
P	894	THR	2556612	Maxim Shishkin	Kyoto University	Analysis of voltage profile of NaMnO2 cathode using DFT+U/linear response computational method
P	895	MON	2557629	Xiaozhen Liao	Shanghai Jiao Tong University	Insight into Ca-substitution effects on O3-type NaNi1/3Fe1/3Mn1/3O2 as cathode materials for sodium ion batteries
P	896	TUE	2560906	Yan Yu	University of Science and Technology of China	Advanced Sodium-ion Batteries Based on NASICON-type Materials
P	897	THR	2562819	Purna Chandra Rath	National Central University	Facile Fabrication of CuO Nano-Structures as Anodes for Sodium-Ion Batteries: A Study on the Morphology-Dependent Performance
P	898	MON	2563010	Rakesh Verma	Chonnam National University	Electrochemical Characterization of SnP3/C Composite as a New Anode Material for Next Generation K-Ion Batteries
P	899	TUE	2563596	Akira Nasu	Osaka Prefecture University	Sodium Titanium Sulfide Na2TiS3 as Electrode Material for All-Solid-State Sodium Secondary Batteries
P	900	THR	2563780	Pravin N. Didwal	Chonnam National University	3D-Interconnected, Microporous Na3V2(P04)3@C Cathode with a Superior Cycling Stability for Na-Ion Batteries

P	Number	Presentati on Date	Receipt Number	Presenter	Affiliation	Title
P	901	MON	2564073	Huiqiao Li	Huazhong University of Science and Technology	Seeking New Ti-based Anodes for Sodium-ion Batteries
P	902	TUE	2565173	Satyanarayana Reddy Gajjela	National University of Singapore	High Energy Density In-situ Sodium Plated battery with Current Collector Foil as Anode
P	903	THR	2565304	Hari Vignesh Ramasamy	Chonnam National University	Efficient method of designing stable layered cathode material for sodium ion batteries using Aluminium doping
P	904	MON	2565891	Kangho Sin	Sungkyunkwan University	The crunch-shaped Na ₃ V ₂ (PO ₄) ₃ / rGO as a superior material for symmetric Na-ion system
P	905	TUE	2565905	Binwei Zhang	University of Wollongong	In-situ grown S nanosheets on Cu foam: An ultrahigh electroactive cathode for room-temperature Na-S batteries
P	906	THR	2566019	Tae-Hee Kim	Korea Advanced Institute of Science and Technology (KAIST)	One-step synthesis of amorphous MoO _x S _y as a high-performance anode material for Na-ion batteries
P	907	MON	2566255	Liaona She	Shaanxi Normal University / Shaanxi Key Laboratory for Advanced Energy Devices	Nb ₂ O ₅ Nanoparticles Loaded Nitrogen-Doped Graphene Anode Materials for Sodium Ion Batteries
P	908	TUE	2566382	Cecile Autret	University of Tours	New sodium ion battery positive electrodes and role of the interface on the cell electrochemical performance
P	909	THR	2566716	Hyung-Seok Kim	University of California, Los Angeles / Korea Institute of Science and Technology	A high power and high energy sodium ion battery using Na _{1.5} VP _{0.4} 8F _{0.7} nanoparticles
P	910	MON	2567207	Ranjith Thangavel	Chonnam National University	Microwave Synthesized Few Layered SnS ₂ Anode for High Power Sodium-ion Batteries
P	911	TUE	2567384	Takasumi Saito	Tokyo University of Science	Synthesis and Electrochemical Performance of Soft Carbons for Potassium-Ion Batteries
P	912	THR	2567386	Naoya Fujitani	Tokyo University of Science	High-Potential Electrode Performance and Reaction Mechanism of O ₃ -NaNi _{1/2} Mn _{1/2} O ₂
P	913	MON	2567505	Yasuyuki Kondo	Kyoto University	Electrochemical sodium-ion intercalation at graphite electrode
P	914	TUE	2567666	Lihil Uthpala Subasinghe	National University of Singapore	Thermal Characterization of 18650-type Non-flammable Sodium-ion Cells
P	915	THR	2567727	Qingbing Xia	University of Wollongong	Rational design graphitic carbon coated mesoporous TiO ₂ hollow spheres anode for high performance sodium ion batteries
P	916	MON	2568203	Kei Kubota	Tokyo University of Science	Electrode Performance and Phase Transition Mechanism of KFeSO ₄ F for K-Ion Batteries
P	917	TUE	2569175	Masaki Furusawa	Kyushu University	Electrochemical Performance of Truxenone and Related Condensed Fluorenones For Na-ion Battery
P	918	THR	2578514	Kai Zhang	Dongguk University-Seoul	Rational designation of P-based compounds with fast diffusion ability as an anode material for sodium-ion batteries
P	919	MON	2581493	Mitsunori Kitta	AIST	Discovery of the Na-substituted spinel phase generation in the Li ₄ Ti ₅ O ₁₂ electrode during high-voltage discharge reaction of Na-ion battery cycling.
P	920	TUE	2588357	Hyeongwoo Kim	Korea Institute of Science and Technology / Korea University	Enhanced electrochemical performances by carbon surface modification on the Li ₄ Ti ₅ O ₁₂ anode material for sodium-ion batteries
P	921	THR	2591421	Xiaohui Rong	Chinese Academy of Sciences	Structural Origins of the Reversible Anionic Redox Activity in Na Layered Oxide Cathode
P	922	MON	2591450	Xingguo Qi	Chinese Academy of Sciences / University of Chinese Academy of Sciences	Layered Oxides with O ₃ /P ₂ Hybrid Phases for Na-Ion Batteries
P	923	TUE	2591463	Hyojun Lim	Korea Institute of Science and Technology / Korea University of Science and Technology	Sb Nanocrystals Embedded in SiOC Ceramic Materials as a High-Capacity and Long-life Anode for Sodium-ion Batteries
P	924	THR	2595564	Ke Du	Central South University	i-Substituted Layered O ₃ NaCr _{1-x} Ti _x O ₂ as High-Rate-Capability Cathode Materials for Sodium Ion Batteries
P	925	MON	2595655	Joanna Maria Conder	Institut de Science des Matériaux de Mulhouse-CNRS	Hard carbons for Na-ion batteries: the role of the electrode formulation
P	926	TUE	2536552	Si Hyoung Oh	Korea Institute of Science and Technology	Investigation on the electrolytes containing Grignard reagents and allyl-functionalized ionic liquids for magnesium batteries
P	927	THR	2539934	Jing Zeng	Xiamen University	The electrochemical performance of Na ₃ V ₂ (PO ₄) ₃ as high-voltage cathode material for rechargeable magnesium batteries
P	928	MON	2546872	Giang Thi Huong Nguyen	Chungnam National University	Magnesium Stannide as a High Capacity Anode and its Performance Improvement for Mg-ion Batteries
P	929	TUE	2547270	Yu Gao	Jilin University	Pseudocapacitive Mg ²⁺ Storage Properties of Interlayer-expanded VS ₂ Nanosheets by Electrochemical In-situ Doping of PP14+
P	930	THR	2550691	Fumihiro Sagane	Shizuoka University	The effect of cyclic ethers on Mg plating/stripping reaction in ionic liquid electrolytes
P	931	MON	2551353	Giuseppe Antonio Elia	Technische Universität Berlin	A high performances aluminum/graphite battery
P	932	TUE	2552016	Nobuko Yoshimoto	Yamaguchi University	Electrochemical Behavior of Mg Alloy in Organic Solution Containing Magnesium Bis(trifluoromethanesulfonyl)amide
P	933	THR	2552322	Mario Wachtler	Chalmers University of Technology / Warsaw University of Technology	Electrochemical Stability and Speciation of a Magnescene / THF Electrolyte
P	934	MON	2552417	Hyun Deog Yoo	Pusan National University	Fast Intercalation and Diffusion Kinetics of Magnesium Monochloride Cations in Interlayer-Expanded Titanium Disulfide
P	935	TUE	2552440	Naoya Ishida	Tokyo University of Science	Crystal structure Analysis and Electrochemical for Chemically Delithiated Li _x Mn _{0.54} Ni _{0.13} Co _{0.13} O _{2-d} of Mg Rechargeable Battery Cathode Materials
P	936	THR	2553120	Doron Aurbacha	Bar-Ilan University	TFSI based electrolyte solutions for secondary magnesium batteries
P	937	MON	2553140	Joachim Hacker	German Aerospace Center, Institute of Engineering Thermodynamics	EIS investigation of intrinsic processes in Mg-S batteries
P	938	TUE	2554216	Yoshiaki Murata	Toyohashi University of Thechnology	Effect of Water in Electrolyte on Ca ²⁺ Intercalation/De-intercalation Properties of α -V ₂ O ₅
P	939	THR	2554606	Henning Kaland	Norwegian University of Science and Technology	Two-Dimensional Titanium Carbide (Ti ₂ CTx) as Cathode Material for Mg-Ion Batteries
P	940	MON	2554622	Hiroaki Kobayashi	Tohoku University	Cathode Performances of Ultrasmall Mg-Mn Binary Oxides for Magnesium-ion Batteries Operated at Room Temperature
P	941	TUE	2554729	Ashu Choudhary	National Institute for Materials Science (NIMS)	Revisiting Grignard Reagent Based Electrolytes in Magnesium-Ion Battery : A First-Principles Study
P	942	THR	2554763	Fride Vullum-Bruer	Norwegian University of Science and Technology	High capacity magnesium batteries using solvent-controlled charge storage
P	943	MON	2554774	Masaki Matsui	Kobe University	Surface Stability of Mg ₃ Bi ₂ Zintl Phase as Negative Electrode for Magnesium-ion Batteries
P	944	TUE	2554815	Georg Bieker	University of Muenster	Understanding Mg/S Batteries: The Different Electrochemistry of Lithium and Magnesium Polysulfide Solutions
P	945	THR	2554922	Yaosen Tian	Lawrence Berkeley National Laboratory / Massachusetts Institute of Technology	High magnesium mobility in ternary spinel chalcogenides
P	946	MON	2566398	Keiko Kato	Rice University	Multivalent-ion active organic materials toward development of sustainable battery technology
P	947	TUE	2567126	Yoshitomo Yamaguchi	Ritsumeikan University	FePO ₄ -Carbon Composite Electrode for Calcium Rechargeable Battery Cathode
P	948	THR	2567152	Yusuke Yamaguchi	Ritsumeikan University	Magnesium Intercalation Host of Defective FePO ₄ -Carbon Composite
P	949	MON	2568579	Munseok S Chae	DGIST	Double-Sheet Vanadium Oxide Cathode for Rechargeable Calcium-Ion Batteries
P	950	TUE	2568595	Jongwook W Heo	DGIST	Electrochemical calcium ion intercalation into Na _x V ₂ (PO ₄) ₃ , as a cathode material for calcium batteries
P	951	THR	2530451	Mingyue Zhou	National University of Singapore	Nernstian-Potential-Driven Redox-Targeting Reactions of Battery Materials for Large-scale Energy Storage
P	952	MON	2535054	Djamel Mourzagh	CEA - Grenoble LITEN/DEHT	Innovative assembly of gelled system for lithium ion batteries
P	953	TUE	2547251	Yingjin Wei	Jilin University	H ₂ V ₃ O ₈ Nanowire/Graphene Electrodes for Aqueous Zinc-ion Batteries with Ultrahigh Rate Capability and Large Capacity
P	955	MON	2548505	Michael Breedon	CSIRO	High throughput robotically assisted electrolyte development
P	956	TUE	2550895	Shinya Watanabe	Mie University	A Novel Aqueous Lithium-Tin Chloride Rechargeable Battery
P	957	THR	2551394	Diana Golodnitsky	Tel Aviv University	New developments in printable three-dimensional microbatteries
P	958	MON	2553647	Fangyuan Su	Chinese Academy of Sciences	Theoretical Study on Capacitance Origin of Modified Graphene Cathode in Lithium Ion Capacitor
P	959	TUE	2553789	Samsul Hafiz -	Indonesian Institute of Sciences	A Simple Automatic Balancing Technique For Series Connected Lithium Ion Batteries Using Combination of Modified Shunting Resistor and Switched Capacitor
P	960	THR	2554244	Zhenbing Wang	Chinese Academy of Sciences	Graphene Based Supercapacitor with High Energy Density and Power Density
P	961	MON	2554619	Antje Schilling	University of Braunschweig	Investigations on electrolyte distribution in Lithium Ion Batteries influenced by filling process
P	962	TUE	2556942	Veronika Pregartner	Graz University of Technology	Fast Interfacial Li ⁺ Diffusion in Nanostructured LiF and LiF-Al ₂ O ₃ composites as Seen by NMR Spectroscopy
P	963	THR	2557071	Daniel Devan Hauck	Physikalisch-Technische Bundesanstalt	Calorimetric Method for Accurate Determination of Heat Capacity of Lithium-Ion Battery Cells
P	964	MON	2562950	Roberto Sommerville	WMG, University of Warwick	Physical processes for material recovery from Li-ion batteries
P	965	TUE	2567078	Shaikshavali Petnikota	Nanyang Technological University	Vanadium Oxide Cathodes for Al-ion Battery

P	Number	Presentati on Date	Receipt Number	Presenter	Affiliation	Title
P	966	THR	2567725	Samir Briche	Moroccan Foundation for Advanced Science, Innovation & Research, (MAScIR)	Development of expander for Moroccan SLI Lead-acid battery
P	967	MON	2567778	Sheng-Shu Hou	National Cheng Kung University	Electrochemical Study of Poly(N-vinylformamide) as a Binder for LiFePO ₄ in Li-Ion Batteries
P	968	TUE	2580318	Katsumi Katakura	National Institute of Technology, Nara College	Electrochemical behavior of Zn in Carbonate Aqueous Solutions
P	969	THR	2595334	Youn Cheol Joe	Kyung Hee University	Preliminary Studies on Electrode Ink for Rechargeable Lithium-ion Batteries using 3D Printing Technology