

PC-02-052	0055	A Simple and Highly Stable TiO ₂ /PVDF Coating Strategy for Zinc Anodes in Aqueous Zinc-ion Batteries	Yi-Xiang Zeng
PC-02-053	0071	Structure-Directing Agent Mediated Synthesis of SnS ₂ Coupled with UltrapheneTM as Highly Stable Anode Material for Sodium-ion Battery	Po-Chun Tai
PC-02-054	0091	Layered CuInP ₂ S ₆ electrodes: ferroelectric-driven enhanced ion and charge transport for superior potassium ion storage devices	Yen-Yang Tseng
PC-02-055	0092	A Novel High Valence based Ti-alloy Coated Single Crystal NMC83 for High Energy Density Batteries.	Shady Ali Ahmed
PC-02-056	0094	Binder-Free Manganese Iron Nitrides/N-doped rGO Elastic Cathode for Lithium-Sulfur Batteries	Yi-Jie Wang
PC-02-057	0100	Modulating the Chemical Stability and Electronic Conductivity of LiFeS ₂ Cathode Material Through Anion Doping	Adiane Gebreslassie Hailemariam
PC-02-058	0112	A High-Loading Cement/Polysulfide Cathode in Developing Lean-Electrolyte Lithium-Sulfur Cells	Yu-Jun Wang
PC-02-059	0119	Lithium-Sulfur Batteries with a High-loading Sulfur Cathode Derived from Biomass Porous Carbon	peng-shi yu
PC-02-060	0122	Elucidating the Structural and Chemical Evolution of Lithium Storage in BHET-Based Metal-Organic Frameworks	Chun-Yen Yang
PC-02-061	0125	First-principles study on the facile of Li-ion diffusion by tuning the anion rotation in halide and sulfide solid-state electrolyte	Suseong Hyun
PC-02-062	0160	High Entropy Spinel Oxides Catalyst for High-Performance Vanadium Redox Flow Battery	Jui-Wen Su
PC-02-063	0164	3D space-confined Co _{0.8} Sn _{0.2} architecture with effective interfacial stress relaxation as anode material reveals robust and highly loading potassium-ion batteries	Chou Chi Wei
PC-02-064	0169	Nitrogen-doped Copper Sulfide as a Cathode for Zinc-air Battery System: A First-Principles Study	Yongshik Park
PC-02-065	0175	Anisotropic Ionic Transport in PEO-LiTFSI Electrolytes	Shun-Jhih Yang
PC-02-066	0177	Synergistic promotion of wettability and conductivity by in-situ growth of CuGa ₂ on the 3D conductive host for stable sodium metal batteries	Wei Tao
PC-02-067	0178	NASICON-type electrolyte for lithium-ion batteries	Yen-Lin Chen
PC-02-068	0190	Modified PEO-LiTFSI Electrolyte with UiO-66 Based MOF Fillers	Yu-Chi Wang
PC-02-069	0207	Structural Design to Improve the Performance of Ni-Rich Layered Li(Ni _{0.92} Co _{0.04} Mn _{0.04})O ₂ Cathode Materials through Full-Concentration Gradient Strategies	Yola Bertilysa Hendri
PC-02-070	0208	Suppression of Polysulfides by Carbonized Poly-acrylonitrile Modified PP Separator for Lithium-Sulfur Battery.	Gokul Raj Deivendran
PC-02-071	0211	Metal-Organic Framework Derived Structured Copper/Carbon Current Collector for Low Nucleation Lithium Plating in Anode-Free Metal Batteries	Karthic Natarajan
PC-02-072	0244	Ultrathin Cyclic-Life LiFePO ₄ Cathode Materials via Incorporation with Foam-like Reduced Graphene Oxide Nanoribbon Additive	Juan-Tong Ke
PC-02-073	0257	Combinatorial Screening of Imidazolium-based Ionic Liquid Electrolytes in Zinc-air Battery	Geonim Kim
PC-02-074	0261	Cyclodextrin-Assisted Hydrothermal Synthesis of Manganese Oxides as Cathode Materials for Aqueous Zinc-ion Batteries	Zhi-Ting Huang
PC-02-075	0271	Application of Freestanding Sulfide-Based and Polymer Composite Solid-State Electrolyte Sheet	Tsang-I Yeh
PC-02-076	0280	Networked Solid Polymer Electrolyte for Lithium Batteries	Minh Le Nguyen
PC-02-077	0285	Electroepitaxial growth of zinc on copper substrate	Yun-Chi Tung
PC-02-078	0304	Revolutionizing Solid-State Lithium Batteries with Polymer Electrolytes	Hanh T. T. Nguyen
PC-02-079	0305	Polyaromatic Hydrocarbons as a Potential Organic Anode Material for Lithium-ion Batteries	Avi Arya
PC-02-080	0320	Enhancing LiFePO ₄ Electrodes via Creating Low-Tortuosity Micro-channels in Semi-dry State	Chun-Yang Kang
PC-02-081	0321	Lowering Li Transport Barrier in Li ₆ PS ₄ by Anion Site-exchange	傅世英
PC-02-082	0332	Lithium-Sulfur Battery with Argrodite Sulfide Solid Electrolytes	Yee Jun Quay
PC-02-083	0335	The electrochemical performance of LiNi _{0.5} Mn _{1.5} O ₄ cathode materials with recycled Li ₂ CO ₃ from spent Lithium-ion batteries	Yi-De Tsai
PC-02-084	0353	Synthesis and characterization of Na ₃ SnS ₄ solid electrolytes via Mechanochemical and sintered solid state reactions: A comparative study	Celastin Behina Thairayarar

TOPIC : Basic Electrochemistry

Serial No.	Paper NO.	Title	Presenter
PC-06-001	0041	Synthesis of W-Ni(OH) ₂ via One-Step Electrodeposition for Urea Oxidation	Chung-Sheng Lin
PC-06-002	0059	Enhanced Light-Driven Photoelectrochemical Catalysis of Water Splitting by TiO ₂ Nanotubes Grown on Acid-etched Titanium Foils	Bo-Yang Chuang
PC-06-003	0077	Electrochemical Process of Metal Carbonates to Hydroxides for Net-Zero Emissions	Wei-Cheng Lai
PC-06-004	0078	Chemically bonded Au nano particle on carbon nanotube as a composite material for CA125 detection	Pai-Yun Kao
PC-06-005	0086	Heterogeneous electro-Fenton treatment of tannery wastewater using Ti/TiO ₂ -NT-SnO ₂ -Sn-PSiO ₂ anode and CoFe ₂ O ₄ supported graphite felt cathode: Batch and continuous operations	Devendra Rai
PC-06-006	0115	Effects of Metal Ratios and Post Treatments on Energy Storage Ability of Cobalt Manganese Metal Organic Frameworks	Yi-Chun Lai
PC-06-007	0140	Mixed Proton-Electron Conduction of Metal-Organic Frameworks	An-Rong Huang
PC-06-008	0142	Space Charge Storage at Heterogeneous Junctions	Sha-Han Shue
PC-06-009	0153	Stability Study of Complex Inhibitors on Copper Corrosion	Po-Cheng Chou
PC-06-010	0170	The Effect of Polyetherimide for Oxygen Evolution Reaction on Alkaline Water Electrolysis	Rui En Li
PC-06-011	0185	Enhancement of Electrochemical Desalination Performance of CNT-Doped Copper Hexacyanoferrate (CuHCF) and the Effect of Voltage on Selectivity	Yu-Hsiang Yang
PC-06-012	0224	Co and Sn codoped NiSSZ catalyst for electro-oxidation of urea	Mang-Jie Zhang
PC-06-013	0230	Superficial CO ₂ -Assisted Surface Modification on LiFePO ₄ Cathode with Nitrogen-Doped Carbon Coating for Lithium-Ion Batteries	Jen-Wei Teng
PC-06-014	0231	Design and Synthesis of Sulfonated Polyethersulfone Membrane with Asymmetric Porous Structure for High-Performance Lithium Metal Batteries	Meng-Wen Chau
PC-06-015	0266	Improved performance and long-term stability of activated carbon doped with nitrogen for capacitive deionization	Wei-Lin Lee
PC-06-016	0269	Bimetallic modified carbon nanotube-based for low-concentration formaldehyde sensing	Yu-Han Shiu
PC-06-017	0290	Study of potentiometric and galvanostatic control on PEDOT-based ion-selective electrodes through in situ optoelectrochemical analysis	Yi-Min Wu
PC-06-018	0301	Exploring electro-optical properties and redox behavior of electrochromic species using density functional theory	Gaurav Kumar Silori
PC-06-019	0326	Microplasma Nanoelectroengineering of Plasmonic Nanostructures for Ultrasensitive Surface-Enhanced Raman Scattering Sensing	Yi-Jui Yeh
PC-06-020	0328	Probing Defect with AC Admittance Spectroscopy	Ting-Wei Chen