Date: Oct. 26 Location: 1F Lobby Posting time: 14:10 ~ 18:00 Competition starts at 16:00

* Please remove your poster after the competition session

| TOPIC . | Photo I | Floctro | chamietry | / Floct | ronlating |
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| TOTIC . THO | to Electroch | emistry/ Electropiating | |
|-------------|--------------|---|-------------------|
| Serail No. | Paper NO. | Title | Presenter |
| PC-01-001 | 0007 | Design and fabrication of Bi2O3/WO3 composites with high efficiency in photo-electrochemistry | Shang-Hao Chen |
| PC-01-002 | 0090 | Covalent Organic Frameworks Decorated with Metal Nanoparticles for Dye-Sensitized Solar Cells | Yu-Hsuan, Chen |
| PC-01-003 | 0106 | Nanostructured TiO2 Photocatalysts with Consecutive deposition of NiO and CQD Nanoparticles for Efficient CO2 Conversion | Tarek Fawzi |
| PC-01-004 | 0152 | Self-Assembled Silane Treatment of Hole Transporting Layer for Perovskite Solar Cells | Ying-Jung Lu |
| PC-01-005 | 0162 | Desgin and Fabrication of P3HT/AZO/ZnO-based Optoelectronic Device Using Electrochemical Deposition Techniques | Yu-Ren Yang |
| PC-01-006 | 0166 | Degradation Analysis on Dye-sensitized Solar Cells Fabricated using PVP- and PVP/VA-Pt Electrodes: Electrochemical and Electrochemical Impedance Approach | 林昕儒 |
| PC-01-007 | 0176 | Bilayer semi-transparent electrode for large-area perovskite solar cells | Chia-Feng Li |
| PC-01-008 | 0181 | Efficient Photocatalysis of CO2 Reduction Using Co3O4 Nanoneedles | Cheng-Tai Lee |
| PC-01-009 | 0215 | The mechanism study and quantification of stress formation in copper with different orientations in direct current electroplating | Shih-Hua Chen |
| PC-01-010 | 0217 | Rapid Silicon Carbide Thinning via Electrochemical Etching | Chun-Huang Wu |
| PC-01-011 | 0267 | Electroepitaxy of ZnO using a rotating electrode method | Yu-Hsuan Hsiao |
| PC-01-012 | 0284 | Electrodeposition of nickel coatings containing a high density of nanotwins | HP. Chen |
| PC-01-013 | 0306 | Electrodeposited Zn-doped TiO2 Mesoporous Electron Transporting Layer For Efficient Perovskite Solar Cells | Ha-Phuong Ngo Thi |

TOPIC : Batteries

| Serail No. | Paper NO. | Title | Presenter |
|------------|-----------|--|------------------------|
| PC-02-001 | 0043 | Unveiling Accelerated Desolvation Kinetics Enabled by Polyimide Nanofabric for Zinc Metal Electrodes | Chi-Yu Lai |
| PC-02-002 | 0044 | Universal Alkali-ion Storage in Closed Pore-rich Hard Carbon towards Nonflammable High Voltage Dual-ion Batteries | Liang-Chieh Tseng |
| PC-02-003 | 0045 | An Investigation of Solid Polyelectrolyte To a Binder Additive And Its Affection On Lithium-Ion Battery | Ruben Foeng |
| PC-02-004 | 0051 | Temperature effects on sodium-ion storage behaviors of hard carbon microspheres derived from phenolic resin as prospective anode materials for sodium ion batteries | Zhi-Ting Liu |
| PC-02-005 | 0053 | An Electrospun Sandwiched – Structural Separator/Electrolyte for the Lithium-Sulfur Battery | Tzu-Ching Chan |
| PC-02-006 | 0060 | Comparative Study of Biomass-derived Carbons as Sulfur Hosts for Lithium-Sulfur Batteries | Yung-Hsun Chu |
| PC-02-007 | 0073 | Well-controlled Compositional Homogeneity in NMC Cathodes for Li-ion Batteries | 黄政颖 |
| PC-02-008 | 0074 | The Comparison of Ionic/Electronic Conductor in the Cathode for High-loading Lithium-Sulfur Batteries | Bo-Xian Ye |
| PC-02-009 | 0081 | Low Self-discharged High-loading Polysulfide Cathode Design for Lithium-Sulfur Battery | Cheng-Che Wu |
| PC-02-010 | 0082 | Application of Copper Nitride Foil Films Prepared by Atmospheric Plasma Sputtering in Reducing Dendrite Formation in Anode Free Li-ion Batteries | Fu-Ming Wang |
| PC-02-011 | 0084 | Multilayer and Annealing Strategy Enabling Fluorinated Garnet-type LLZO Solid Electrolyte to improve Li-ion transportation and Interfacial Chemistry | Hoong-Zheng Siew |
| PC-02-012 | 0095 | Ab-initio Interfacial Chemical Stability between Cathodes and Solid-state Electrolytes in Solid-state Lithium Batteries | Chao-Hsiang Hsu |
| PC-02-013 | 0101 | Li1.3Al0.3Ti1.7(PO4)3 solid electrolytes synthesized by microwave-assisted hydrothermal reaction for Li all-solid-state battery | Cheng-En Yu |
| PC-02-014 | 0109 | Metal-Organic Frameworks Derived Tungstate Zirconia Catalyst for High-Performance All Vanadium Redox Flow Battery | Chun-Hong, Kuo |
| PC-02-015 | 0114 | A Study on Electrochemical Properties of Modified Lithium-rich Cathode Materials with Surface Coating | Zong-Xiao Jiang |
| PC-02-016 | 0116 | Improving Propylene Carbonate Tolerance for Natural Graphite Anode via artificial SEI of Functionalized Sulfonted Chitosan | Heng-Li Wang |
| PC-02-017 | 0120 | Electrochemical kinetics of polycrystalline and single-crystalline NMC811 cathode powder for Li-ion batteries | Chen-Hao Tu |
| PC-02-018 | 0123 | Application of a Nickel/Sulfur Composite Energy-storage Materials in Developing Long-live Lithium-Sulfur Cells | Yu-Pei Chiang |
| PC-02-020 | 0129 | Silicon/hard carbon composite anode derived from phenolic resin as anode materials for lithium-ion batteries | 李郁宣 |
| PC-02-021 | 0144 | 2D NiFe MOF/N-doped rGO as Bifunctional Catalyst for Rechargeable Zinc Air Batteries | Yi-Pin Chan |
| PC-02-022 | 0158 | Synchronous regulation of Schottky/p-n dual junction in Prussian blue-derived Janus heterostructures: a path to ultrafast long life potassium ion batteries | Jia-Sheng Lin |
| PC-02-023 | 0179 | Lithium-ion Storage Mechanism in Closed Pore-rich Hard Carbon with Ultrahigh Extra Plateau Capacity | Chen-Wei Tai |
| PC-02-024 | 0193 | Achieving superior lithium-Ion battery performance with a high-efficiency oxygen plasma modification of hard carbon derived from phenolic resin. | Wei-Chu, Hsu |
| PC-02-025 | 0194 | An Effective Hybrid Solid Electrolyte Membrane Based on LiTa2PO8 for High-Performance Quasi-Solid-State Lithium-Sulfur Batteries | Ammaiyappan Anbunathan |
| PC-02-026 | 0204 | Understanding Capacity Roll-Over on Cathode Material for Lithium Ion Battery | Salva Salshabilla |
| PC-02-027 | 0223 | Polypyrrole/Zn electrode with specially designed zinc ion gel electrolyte for fast chemically self-charging and smart electrochromic flexible electrochemical battery. | Wan-Tien Huang |
| PC-02-028 | 0229 | Tailoring of gold nanoparticles and pre-lithiated sulfonic acid group on functionalized boron-doped silicon as anode for high-energy-density lithium-ion batteries | Sanjana K. |
| PC-02-029 | 0234 | Ag Decorated Layered MnO2 for Enhanced Energy Storage Performance in Zn-Ion Batteries | Shao-Chun Liao |
| PC-02-030 | 0236 | In Situ XRD and Electrochemical Performance of Gallium Infused Mesoporous Carbon CMK-3 as an Anode for Lithium-Ion Batteries | Ajayan Mano |
| PC-02-031 | 0237 | Quaternary Prussian blue analogs as Cathode materials for Sodium-ion Batteries | Hao-Hsiang Chang |
| PC-02-032 | 0243 | Solvent-free UV-crosslinked Polymer Electrolyte with Semi-interpenetrating network for All-Solid-State Lithium Batteries | Ghufira Ghufira |
| PC-02-033 | 0245 | Enhancing the Cycling Stability of Anode-Less Lithium-Metal Batteries Using Thermal-treated Copper Current Collectors | Kainat Darwaish |
| PC-02-034 | 0246 | Graphene coating by Chemical Vapor Deposition on Graphite Felt for Vanadium Redox Flow Batteries | Feng Li Tea |
| PC-02-035 | 0259 | Si-doped Li7La3Zr2O12 Filler Incorporated Composite Solid Electrolyte Membrane for All-Solid-State Lithium Metal Batteries | Ajith K |
| PC-02-036 | 0260 | Inhibition of Shuttle Effect in Aqueous Zinc-Iodine Batteries Using Conductive Polymers | 吳亞璇 |
| PC-02-037 | 0262 | Li1.2Ni0.13Mn0.54Co0.13O2 decorated with Li3PO4 layer as a high-voltage cathode material for lithium-ion batteries | Chih-Han Wang |
| PC-02-038 | 0282 | Microstructure and Evolution of Sulfur Cathode along Cycling in a Nucleophilic Electrolyte for Rechargeable Magnesium-Sulfur (Mg-S) Battery | Wei-Hsiang Tsai |
| PC-02-039 | 0289 | Improved Ionic Conductivity of PEO Composite Electrolyte by Bi-Doped BaTiO3 Nanofillers | Yu-Yao Huang |
| PC-02-040 | 0309 | Long-cycled Lithium Metal Batteries with Additive Incorporated Lithium Salt Deep Eutectic Electrolyte | 林千平 |
| PC-02-041 | 0311 | Zinc-Lithium-Urea Deep Eutectic Mixture as Electrolyte for Rechargeable Zinc-based Hybrid Batteries | Sin-Yi Syu |
| PC-02-042 | 0377 | Preparation of composite solid-state electrolyte for lithium-ion batteries | Sheng-Lun Chou |
| PC-02-043 | 0378 | Research on recycling of lithium iron phosphate cathode materials from spent lithium-ion batteries | Hao-Chin Chiu |

TOPIC : Electrochemical Conversions

| TOFIC . Ele | ctrochemica | Conversions | |
|-------------|-------------|--|----------------------------|
| Serail No. | Paper NO. | Title | Presenter |
| PC-03-001 | 0025 | Photoelectrochemical Reaction Activity of Two-dimensional Materials by Microdroplet Analysis Method | Pin-Syuan Haung |
| PC-03-002 | 0037 | Yttrium Doped Nickel Hydroxide Catalysts for Electro-Oxidation of Urea | Yi-Ying Lee |
| PC-03-004 | 0089 | Harnessing Ni SACs on cogently designed nanofiber-based catalysts for CO2 electroreduction | Varad Modak |
| PC-03-005 | 0103 | Copper Installed Metal-Organic Framework-Derived Materials for Electrocatalytic Nitrate-to-Ammonia Reduction | Shang-Cheng Yang |
| PC-03-006 | 0110 | Ru decorated CuO heterostructure with NiMn layered double hydroxides for Electrochemical Urea Oxidation | Madhuri Birare |
| PC-03-007 | 0118 | Nickel Single Atom Catalyst for Efficient CO2 Reduction Reaction under Acidic Medium | Mengstu Etay |
| PC-03-008 | 0127 | Ozone-Assisted Hydrothermal Synthesis Method of Sb-Doped SnO2 Conductive Nanoparticles for Carbon-free ORR Catalysts in Proton-Exchange-Membrane Hydrogen Fuel Cells | Takeshi Fukuda |
| PC-03-009 | 0143 | The study of micro-patterned non-enzymatic glucose sensor | Wen-Ya Lee |
| PC-03-010 | 0149 | Effect of Gold Modification on Platinum Catalyst Electrocatalysis of Dimethoxymethane | Wen-Li Chen |
| PC-03-011 | 0155 | Pulsed Potential CO2 Electroreduction of Cuprous Oxide Nanocubes Boosts the Ethanol Selectivity | Yi-Yu Chen |
| PC-03-012 | 0156 | Cr and Fe Decorating Chemical-Vapor-Deposited ZIF67 Derivatives for Neutral Seawater Electrolysis in Membrane Electrode Assemblies | Jian-Jie Ma |
| PC-03-013 | 0163 | Spatial Confinement Enhancement of Copper-Aluminum Alloys inside the Carbon Nanofiber for Carbon Dioxide Reduction Reaction | Kang-Shun Peng |
| PC-03-014 | 0165 | Carbon Nanofiber-supported Neatly-Arranged Nickel Single Atom Catalyst for CO2-to-CO Conversion | Meng-Cheng Chen |
| PC-03-015 | 0168 | First-Principles Studies on the Impact of Ruthenium on the Hydrogen Evolution Reaction Activity for Pt-Ru-based Nanoparticles in Alkaline Condition | Haeshik Lee |
| PC-03-016 | 0210 | Low Temperature Anodization: A Route to Directly Fabricate Low-Resistivity Silicon Nanocrystals | Yu-Sheng Chiou |
| PC-03-017 | 0216 | Enhanced N-type Si Anodization via Temporary PN Junction Bonding | Shu-Cheng Li |
| PC-03-018 | 0238 | High-Entropy Prussian blue analogues derivative on Functional CNT as Bifunctional Oxygen Electrocatalyst for Rechargeable Zinc-Air Batteries | Wuttichai Tanmathusorachai |
| PC-03-019 | 0258 | MgO/(OH)2: A Sacrificial Booster for Cu-based Cathodes in Anion MEA CO2 Electrolysis | Ding-Huei, Tsai |
| PC-03-020 | 0272 | Advancing Acidic PGM-Free OER Catalysis: The Role of Stable Element Doping in Co304 Crystalline Structures | Shin-Yu Hung |
| PC-03-021 | 0287 | Platinum Single-Atom on Defective and Highly- conductive Layered MXene for Enhanced Electrocatalytic Hydrogen Production | Wei-Sheng Liao |
| PC-03-022 | 0299 | Catalyst Layer Engineering by Varying Ink Concentration Under Different Catalyst Loadings | Zun-Wei, Wang |
| PC-03-023 | 0312 | Tuning the Primary and Secondary Coordination Sphere of Transition Metal-Single Atom Catalysts for Electrochemical Hydrogen Peroxide Synthesis in an Acidic Medium | Saravanakumar Muthusamy |
| PC-03-024 | 0331 | Electrochemically-assisted method to synthesize single-atom catalysts with N4 sites applied to CO2 reduction reaction | Chia-Yu Chang |
| | | | |

Date: Oct. 27 Location: 1F Lobby Posting time: 11:10 ~ 17:30 Competition starts at 13:30

TOPIC: Capacitor and High-Power Energy Storage

| 1011c. Capacitot and might ower Energy Storage | | | | | |
|--|-----------|---|---------------------|--|--|
| Serial No. | Paper No. | Title | Presentor | | |
| PC-04-001 | 0019 | High proportional 1T phase nitrogen-doped MoS2/HPAC nanocomposites: electrochemical performance and Li+-storage mechanism | Mohamed M. Abdelaal | | |
| PC-04-002 | 0028 | Construction of a multifunctional composite layer for efficient protection of zinc anode | Rene Mary Amirtha | | |
| PC-04-003 | 0054 | Novel Synthesis of Copper Sulfide Plate-assembled Hollow Cages as Efficient Electrocapacitive Material of Battery Supercapacitor Hybrids | Yu-Hsuan Chiu | | |
| PC-04-004 | 0062 | Constructing metal organic framework derived manganese cobalt layered double hydroxide nanosheets on Ni foam as cost-effective binder-free electrodes of high-performance supercapacitors | Yi Lin Hsu | | |
| PC-04-005 | 0065 | Active sites-induced decoration of nickel hydroxide nanosheets on copper oxide nanocubes as electroactive material of battery supercapacitor hybrids | Pin-Chun Lee | | |
| PC-04-006 | 0067 | Facile Synthesis of Ammonium Hydrogen Fluoride and Ammonia Borane Fluoride Induced Zeolitic Imidazolate Framework 67 Derivatives as Efficient Active Materials of Supercapacitor | Shen-Fa Dung | | |
| PC-04-007 | 0070 | Empowering Remote Communities: An Eco-friendly, Portable, Self-powered Integrated Desalination System | Zi-Fan He | | |
| PC-04-008 | 0102 | Cerium-Based Metal-Organic Framework-Conducting Polymer Nanocomposites as Pseudocapacitive Materials | Yan-Ling Chang | | |
| PC-04-009 | 0113 | Systematic Designs of Single Metal Compounds Synthesized Using Ammonia Fluoride-based Complex as Structure Directing Agents for Energy Storage | Yu-Cheng Cao | | |
| PC-04-010 | 0184 | Intercalation of Hydrogen in Perovskite Oxide for Pseudocapacitive Energy Storage | Meng-Hua Lin | | |
| PC-04-011 | 0205 | Bioinspired Prolonged Lifespan Enhancement of Wearable Batteries with Chemically Self-Powered and Smart Color-Changing Capabilities by Utilizing Sulfonated Polyaniline (SPANI)/Zn Electrodes and Ion Gel Electrolyte | Yi-Ting Huang | | |
| PC-04-012 | 0212 | Flourinated Graphite Nanoparticles Synthesis via Electrochemical Etching of Silicon Carbide | Wei-Chi Huang | | |
| PC-04-013 | 0242 | Honeycomb-shaped porous carbon as a lithium-ion capacitor electrode | Nurulhuda Shah | | |
| PC-04-014 | 0249 | Palm waste-derived carbon dots as a performance booster for aqueous supercapacitors | Gayathry Ganesh | | |
| PC-04-015 | 0251 | Constructing carbon nanomaterials derived from organic compounds for supercapacitors | 張漢威 | | |
| PC-04-016 | 0264 | Optimization of dimethyl sulfoxide-based deep eutectic solvent hybrid electrolytes for high-voltage supercapacitors | Han-Lin Wang | | |
| PC-04-017 | 0265 | Iron sulfide microspheres supported on cellulose-carbon nanotube conductive flexible film as an electrode material for aqueous-based symmetric supercapacitors with high voltage | Tzu-Ting Chen | | |
| PC-04-018 | 0293 | Ni-Co-O nanosheets grown on 3D porous Ni template for solid-state symmetric supercapacitor | Han-Wei Chang | | |
| PC-04-019 | 0333 | Combining Flexible V2O5 Energy Storage Electrodes with Novel Piezoelectric Electrolytes for Self-Powering Electrochemical Capacitor Applications | Yi-Ni Jhang | | |
| PC-04-020 | 0365 | Nanostructured MoO2/MoS2/MoP Heterojunction and N/S Dual-Doped Reduced Graphene as High-Performance Electrode for Supercapacitors | Kasira Kaewplod | | |
| PC-04-021 | 0366 | The Fabrication of Ru2P Nanoparticle Decorated P-doped Vegetable Root-derived Hierarchical Porous Carbon for Supercapacitors with Ultrahigh Capacitance | Sudarat | | |

TOPIC · Batteries

| TOTIC . Dat | teries | | |
|-------------|-----------|---|------------------|
| Serial No. | Paper No. | Title | Presenter |
| PC-02-044 | 0027 | Metal-Organic Frameworks-Based Heterogeneous Membranes with High Pore Geometry Gradient for Boosting Lithium Ion Transport and Efficient Osmotic Energy Generation in Organic Solutions | Fery Prasetyo |
| PC-02-045 | 0031 | High-entropy two-dimensional metal phosphorus trichalcogenides boost high-performance potassium ion storage devices via electrochemical reconstruction | Kai-Siang Jhang |
| PC-02-046 | 0036 | Ammonium Ion Preintercalated MnO2 for Aqueous Zinc-ion Batteries | Jian-Xue Huang |
| PC-02-047 | 0039 | Regulating Li deposition with different morphology of fibers | Ai Ling Huang |
| PC-02-048 | 0040 | Highly Electrically Conductive VO2(P)/MWCNTs for High-Rate Aqueous Zn-ion Batteries | Cao-Feng Chen |
| PC-02-049 | 0042 | Revealing Bimetallic Synergy in van der Waals AgInP2Se6 Nanosheets for Alkali Metal Ion Battery Electrodes | TZU-CHI Lin |
| PC-02-050 | 0046 | Study of Cathode-Electrolyte Interphase (CEI) Formation by Adding Fluorinated Benzimidazole Salt Additive in Spinel LiNi0.5Mn1.5O4 High Voltage Cathodes | Chusnul Khotimah |
| PC 02 051 | 0050 | Microstructure of Magnesium Matal Nagative Electrode after Discharge Cycles at Different Current Densities for Rechargeable Magnesium Retteries | Ving-Chen Wu |

| PC-02-052 | 0055 | A Simple and Highly Stable TiO2\PVDF Coating Strategy for Zinc Anodes in Aqueous Zinc-ion Batteries | Yi-Xiang Zeng |
|-----------|------|--|---------------------------------|
| PC-02-053 | 0071 | Structure-Directing Agent Mediated Synthesis of SnS2 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. | Shadab 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 Li2FeS2 Cathode Material Through Anion Doping | Adane Gebresilassie 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-chih yu |
| PC-02-060 | 0122 | Elucidating the Structural and Chemical Evolution of Lithium Storage in BHET-Based Metal-Organic Frameworks | Chun-Yen Yang |
| C-02-061 | 0125 | First-principles study on the facile of Li-ion diffusion by tunning the anion rotation in halide and sulfide solid-state electrolyte | Suseong Hyun |
| C-02-062 | 0160 | High Entropy Spinel Oxides Catalyst for High-Performance Vanadium Redox Flow Battery | Jui-Wen Su |
| C-02-063 | 0164 | 3D space-confined Co0.85Se 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 | Yonghak Park |
| C-02-065 | 0175 | Anisotropic Ionic Transport in PEO-LiTFSI Electrolytes | Shun-Jhih Yang |
| C-02-066 | 0177 | Synergistic promotion of sodiophilicity and conductivity by in-situ growth of CuGa2 on the 3D conductive host for stable sodium metal batteries | Wei Tao |
| C-02-067 | 0178 | NASICON-type electrolyte for lithium-ion batteries | Yen-Lin Chen |
| PC-02-068 | 0190 | Modified PEO-LTFSI 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[Ni0.92Co.0.04Mn0.04]O2 Cathode Materials through Full-Concentration Gradient Strategies | Yola Bertilsya 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 |
| C-02-072 | 0244 | Ultralong Cycle-Life LiFePO4 Cathode Materials via Incorporation with Foam-like Reduced Graphene Oxide Nanoribbon Additive | Jian-Tong Ke |
| PC-02-073 | 0257 | Computational Screening of Imidazolium-based Ionic Liquid Electrolytes in Zinc-air Battery | Geuna 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 | Tsung-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 LiFePO4 Electrodes via Creating Low-Tortuosity Micro-channels in Semi-dry State | Chun-Yang Kang |
| PC-02-081 | 0321 | Lowering Li Transport Barrier in Li6PS5Cl by Anion Site-exchange | 楊景森 |
| C-02-082 | 0332 | Lithium-Sulfur Battery with Argyrodite Sulfide Solid Electrolytes | Yee Jun Quay |
| PC-02-083 | 0335 | The electrochemical performance of LiNi0.5Mn1.5O4 cathode materials with recycled Li2CO3 from spent Lithium-ion batteries | Yi-De Tsai |
| C-02-084 | 0353 | Synthesis and characterization of Na3SbS4 solid electrolytes via Machanochemical and sintered solid state reactions: A comparative study | Celastin Bebina Thairiyarayar |

| rial No. | Paper NO. | Title | Presenter |
|------------------|-----------|--|---------------------|
| -06-001 | 0041 | Synthesis of W-Ni(OH)2 via One-Step Electrodeposition for Urea Oxidation | Chung-Sheng Lin |
| -06-002 | 0059 | Enhanced Light-Driven Photoelectrochemical Catalysis of Water Splitting by TiO2 Nanotubes Grown on Acid-etched Titanium Foils | Bo-Yang Chuang |
| C-06- 003 | 0077 | Electrochemical Process of Metal Carbonates to Hydroxides for Net-Zero Emissions | Wei-Cheng Lai |
| C-06-004 | 0078 | Chemically bonded Au nano particle on carbon nanotube as a composite material for CA125 detection | Pei-Yun Kao |
| C-06-005 | 0086 | Heterogenous electro-Fenton treatment of tannery wastewater using Ti/TiO2-NT/SnO2-Sb/PbO2 anode and CoFe3O4 supported graphite felt cathode: Batch and continuous operations | Devendra Rai |
| C-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 |
| C-06-008 | 0142 | Space Charge Storage at Heterogeneous Junctions | Shu-Han Chen |
| C-06-009 | 0153 | Stability Study of Complex Inhibitors on Copper Corrosion | Po-Cheng Chou |
| C-06-010 | 0170 | The Effect of Polyetherimide for Oxygen Evolution Reaction on Alkaline Water Electrolysis | Rui En Li |
| C-06-011 | 0185 | Enhancement of Electrochemical Desalination Performance of CNT-Doped Copper Hexacyanoferrate (CuHCF) and the Effect of Voltage on Selectivity | Yu-Hsiang Yang |
| C-06-012 | 0224 | Co and Sn codoped Ni3S2 catalyst for electro-oxidation of urea | Ming-Jie Zhang |
| PC-06-013 | 0230 | Supercritical CO2-Assisted Surface Modification on LiFePO4 Cathode with Nitrogen-Doped Carbon Coating for Lithium-Ion Batteries | Jen-Wei Teng |
| C-06-014 | 0231 | Design and Synthesis of Sulfonated Polyethersulfone Membrane with Asymmetric Porous Structure for High-Performance Lithium Metal Batteries | Meng-Wen Chiu |
| C-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 |
| C-06-017 | 0290 | Study of potentiometric and galvanostatic control on PEDOT-based ion-selective electrodes through in situ optoelectrochemical analysis | Yi-Min Wu |
| C-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 Nanoengineering of Plasmonic Nanostructures for Ultrasensitive Surface-Enhanced Raman Scattering Sensing | Yi-Jui Yeh |
| C-06-020 | 0328 | Probing Defect with AC Admittance Spectroscopy | Ting-Wei Chen |