

Date : Oct. 26
 Location : 2F (in front of IB-201)
 Posting time : 14:10 – 18:00

* For posters belonging to "Electrochemical Conversion" and "Photoelectrochemistry / Electroplating", please remove your poster before 6 pm.

TOPIC : Batteries

Serial No.	Paper No.	Title	Presenter
PO-02-001	0008	Oxygen Vacancy-Tailored Schottky Heterojunction Activates Interface Dipole Amplification and Carrier Inversion for High-Performance Potassium Ion Batteries	Yi-Yen Hsieh
PO-02-002	0011	Copper telluride nanotube as promising anode material for potassium ion storage	Che-Bin Chang
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PO-02-005	0061	Glutamine as electrolyte additives and electrode binder for high capacity and stability in lithium-sulfur batteries	Chaehyeon Lee
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PO-02-022	0198	High Performance LiTa2PO8-based Lithium-ion Conductor Hybrid Solid Electrolytes for Solid-State Lithium-Metal Batteries	Kumilchew Zelalem Walle
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PO-02-030	0233	Neural Network Parameterization of Analytical Bond-order Potential for Simulating Atomic Decomposition of Electrolyte	Minjion Hong
PO-02-031	0253	Low-temperature symmetrical solid oxide fuel cells with LNCA-SDC composite semiconductor electrolyte	蔡文昌
PO-02-032	0256	Novel Fe3V3O8 Material as an Efficient Anode for Energy Storage Applications	Rasu Muruganathanam
PO-02-033	0263	Application of MOF-74@La1-xSrxCeO3-δ (X=0 or 0.5) as cathode materials for lithium-air batteries	Yi-Hsi Chu
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PO-02-044	0336	Synthesis of single crystal LiNi0.6Mn0.2Co0.2O2 cathode material using Laminar Continuous Taylor Reactors (LCTR) for lithium-ion batteries applications	Ho-Cheng Chang
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TOPIC : Electrochemical Conversions

Serial No.	Paper No.	Title	Presenter
PO-03-001	0056	High selectivity C3+ multi-carbon fuel production from CO2 electrolysis	Minjun Choi
PO-03-002	0161	Optimization of dispersion process for a Cyclohexanol majority-based Pt-C catalyst paste for Proton Exchange Membrane Fuel Cells produced by screen-print method	Kassim Mendoza
PO-03-003	0173	Enhanced Catalytic Performance of Heteroatom-doped WS2-Enriched MoS2 Nanocatalyst for Hydrogen Evolution Reaction and Dye Degradation	Da-Ren Hwang
PO-03-004	0278	Analysis of Electrodeposition and Self-Heating Effect under Different Gate Insulator Processes of Dual-Gate InGaZnO TFTs	Kuan-Wei Lu
PO-03-005	0310	Regulating the Selectivity of Ag-In Binary Catalysts to C1 Products in CO2 Reduction Reaction	Shih-Hsuan Chen
PO-03-006	0319	Revealing the Synergistic Effect of CuO-SnO2 Interface on Electrochemical CO2 Reduction Reaction Performance	Ting-Wei Kuo
PO-03-007	0330	Potassium Tantalate with rod-like structure coated with reduced graphene oxide as long term durability catalyst for fuel cell	Chieh-Hao Wan
PO-03-008	0057	The induce of P and S composition of Cu metal catalyst for enhancing Electrochemical Ammonia Synthesis	Cho Mokyeon

TOPIC : Photo Electrochemistry / Electroplating

Serial No.	Paper No.	Title	Presenter
PO-01-001	0010	High-efficiency photoelectrochemical properties of hetero-phase Bi2O3 composite crystals	Keng-Wei Liang
PO-01-002	0133	Effect of Sulfidation on Arrayed ZnO/ZnS Nanorods for Enhanced Photoelectrochemical Properties	Yi-Nam Lee
PO-01-003	0137	Synthesis, Photoelectrochemical Performance and Capacitive Behavior of Arrayed TiO2 Nanorods Grown by a Microwave Method	Bo-Liu Chen
PO-01-004	0186	Ag-Incorporated g-C3N4 Prepared by Gel-Like Networks for Photocatalytic H2 Evolution	Ze-Jun Lin
PO-01-005	0268	Photoelectrochemical Detection of Serotonin with Graphene Oxide Nanoribbon	Chia-Liang Sun
PO-01-006	0286	Synthesis of BaTiO3 Thin Films with Different Preferred Orientations by a Hydrothermal-Galvanic Method on TiN-coated Substrates for Photoelectrochemical and Piezoelectric Evaluations	Xin-Xian Yang
PO-01-007	0300	Enhancement of Photoelectrochemical Response for SrTiO3/TiO2/TiN Heterostructure Thin Films Produced by Hydrothermal-Galvanic Couple Synthesis with Annealing in Reducing Atmosphere	Yu-Tone Chien
PO-01-008	0354	Photocatalytic Activity of Gold with Cuprous Oxide Co-loaded on Hydrogenated TiO2	Tsai-Te Wang

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TOPIC : Capacitor and High-Power Energy Storage

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PO-04-001	0058	Development and Application of High Power Lithium-ion Capacitor Materials	Chia-Min Lai
PO-04-002	0134	Preparation of VS2/g-C3N4 heterostructured composite for supercapacitor electrodes with superior performance and stability	Da-Ren Hwang
PO-04-003	0225	Preparation of MoS2/TiO2 thin films on activated carbon spheres by hydrothermal method for low-electrode capacitive deionization system	Jung-Jie Huang
PO-04-004	0317	Tailoring hierarchical structures in cellulose carbon aerogels from sugarcane bagasse using different crosslinking agents for enhancing electrochemical desalination capability	Thai Hoang Nguyen

TOPIC : Basic Electrochemistry

Serial No.	Paper No.	Title	Presenter
PO-06-001	0012	Analysis of an electrolyte imbalance in a vanadium redox flow battery by UV-Vis spectroscopy and potentiometric titration	Kai-Wei Lin
PO-06-002	0013	Effect of 1, 2, 4-triazole and glycine on galvanic corrosion of copper and molybdenum during chemical mechanical polishing	Xuan-Mao Huang
PO-06-003	0021	A Study on Fe Separation from Selectively Oxidized Nd-Fe-B Magnet Waste in Sulfate Electrolyte by Electrorefining Process	Hyunjae Heo
PO-06-004	0022	Function of Complexing Agent on Seedless Electrodeposition of Cu Thin Film for Microelectronic Application	Yunhwa Jung
PO-06-005	0023	Electrorefining of Fe from Selectively Oxidized Nd-Fe-B Magnet Waste with Electrolyte Additive Control	Hyeyoung Jo
PO-06-006	0068	An investigation of cell death induced by electrochemical stimulation in ovarian cancer	Zong-Yu Yang
PO-06-007	0128	Preparation and Characterization of ZnO Films by Two-Step Electrodeposition	陳澤輝
PO-06-008	0135	A Bimetallic Metal-Organic Framework Electrochemical Sensor for Simultaneous Detection of Ascorbic Acid, Uric Acid, and Dopamine	Da-Ren Hang
PO-06-009	0196	An operando Lab-on-a-chip biosensor system for ovarian cell observation	Ching-Tzu Liu
PO-06-010	0222	Honeycomb-shaped carbon nanotubes decorated with molybdenum trioxide as a non-enzymatic electrochemical sensor for glucose	Chun-Chieh Chou
PO-06-011	0277	Effect of electrodeposition solvent on morphology and electrocatalytic properties of PEDOT	Wei-Li Shih