

TICC 2022

JULY 20-22, 2022
Taipei, Taiwan

Oral Competition Award

TICC 2022

Oral Competition Award

JULY 20-22, 2022
Taipei, Taiwan

Sol-Gel Overcoating — An Emerging strategy for Tailoring Metal-Metal Oxide Interface for Catalyst Design

Yuan-Peng Du (Academia Sinica, Taiwan); Jeremy Luterbacher (Swiss Federal Institute of Technology Lausanne, Switzerland)

WOx Support Directed Synthesis of Ultra-Fine Core@Shell Ir@IrOx Nanocatalyst with Compelling OER Activity and Durability

Lu-Yu Chueh, Chun-Han Kuo, Ren-Hao Yang, Ding-Hui Tsai, Han-Yi Chen (National Tsing Hua University Taiwan); Chia-Hsin Wang (National Synchrotron Radiation Research Center, Taiwan); Yung-Tin Pan (National Tsing Hua University Taiwan)

Electrosynthesis of Adiponitrile by Utilizing Metal–Organic Framework-Derived Electrocatalysts

Yi-Ching Wang, Jia-Hui Yen, Chi-Wei Huang, Tzu-En Chang, You-Liang Chen, Yu-Hsiu Chen, Chia-Yu Lin, Chung-Wei Kung (National Cheng Kung University, Taiwan)

Mechanistic Investigations of Isopropanol-Mediated Transfer Hydrodeoxygenation of 5-Hydroxymethylfurfural on Cu-Pd/ZrO₂ Catalyst

Hao-Chuan Ku (National Taiwan University & Advanced Research Center for Green Materials Science and Technology, Taiwan); Shih-Cheng Li (National Taiwan University, Taiwan); Sudeep Mudhulu (National Taiwan University & Advanced Research Center for Green Materials Science and Technology, Taiwan); Yi-Pei Li (National Taiwan University, Taiwan); Wen-Yueh Yu (National Taiwan University & Advanced Research Center for Green Materials Science and Technology, Taiwan)

TICC 2022

Oral Competition Award

JULY 20-22, 2022
Taipei, Taiwan

Designing a Highly Active and Selective G-C₃N₄ Photocatalyst for CO₂RR and HER: Experimental and Theoretical Insights

Mahmoud Kamal Hussien, Amr Sabbah (Academia Sinica, Taiwan); Mohammad Qorbani, Mohamed Hammad Elsayed (National Taiwan University, Taiwan); Putikam Raghunat, Ming-Chang Lin (National Yang Ming Chiao Tung University, Taiwan); Ho-Hsiu Chou (National Tsing Hua University, Taiwan); Li-Chyong Chen (National Taiwan University, Taiwan); Kuei-Hsien Chen (Academia Sinica, Taiwan)

Prussian Blue Analog-derived Bimetallic CoFe Phosphides Decorated with N-doped Graphene Quantum Dots for Electrocatalytic Hydrogen Evolution Reaction

Wei-Shiang Lin, Mia Rinawati, Yu-Chi Lin, Yao-Sheng Cheng, Ching-Cheng Chang, Chia-Yu Chang, Wei-Nien Su, Min-Hsin Yeh (Feng Chia University, Taiwan)

Catalytic Glycolysis of Polyethylene Terephthalate (PET) by Solvent-Free Mechanochemically Synthesized MFe₂O₄ (M= Co, Ni, Cu and Zn) Spinel

Philip Anggo Krisbiantoro (National Taiwan University & Academia Sinica, Taiwan); Yu-Wen Chiao, Weisheng Liao, Jih-Peng Sun (National Taiwan University, Taiwan); Daiki Tsutsumi, Hideki Yamamoto (Kansai University, Japan); Yuichi Kamiya (Hokkaido University, Japan); Kevin C.-W. Wu (National Taiwan University, Taiwan)

Tailoring the Electroactive Sites of Prussian Blue Analogues-Derived Oxygen Electrocatalyst for Rechargeable Zinc-Air Battery

Sofiannisa Aulia, Mia Rinawati, Yao-Sheng Cheng (National Taiwan University of Science and Technology, Taiwan); Ming-Hsien Lin (National Defense University, Taiwan); Min-Hsin Yeh (National Taiwan University of Science and Technology, Taiwan)