



IUMRS-ICEM 2018

AUGUST 19(SUN.) - 24(FRI.), 2018 / DAEJEON, KOREA

Session Title	Bioinspired Materials for Artificial Photosynthesis III	Session Code	Fr-D1
Date and Time	2018-08-24 / 8:30 - 10:30		
Place	Room D		
Session Chair	TBA		

Fr-D1-2

9:00 - 9:30

[Invited]Controlled, Room-Temperature Electrochemical Conversion of Metal-Organic Frameworks into Porous Metal Sulfides with Tailored Composition and Electrocatalytic Water Splitting Activity

Wenhui He, Raya Ifraemov, Arik Raslin, and Idan Hod
Ben-Gurion Univ., Israel

Fr-D1-3

9:30 - 9:45

Electrocatalytic Biomass Value-Addition on Transition Metal Oxide Nanoparticles at Neutral pH

Seungwoo Choi and Ki Tae Nam
Seoul Nat'l Univ., Korea

Fr-D1-4

9:45 - 10:00

Controlled Phase Segregation of Binary Alloy for Efficient Electrochemical CO₂ to C₂H₄ Conversion

Sang Won Im, Ki Dong Yang, Jun Ho Jang, and Ki Tae Nam
Seoul Nat'l Univ., Korea

Fr-D1-5

10:00 - 10:15

Investigation on the Nano Size Effect of Ultra-Small Manganese Oxide Nanoparticles

Kang Hee Cho, Hong Min Seo, Kang Gyu Lee, Yoon Ho Lee, and Ki Tae Nam
Seoul Nat'l Univ., Korea

Fr-D1-6

10:15 - 10:30

Impedance Analysis in Film-Type Water Oxidation Electrocatalysts using Circuit Model with Havriliak-Negami Function

Hongmin Seo¹, Kyoungsuk Jin¹, Kang Hee Cho¹, Kang-Gyu Lee¹, Dang Thanh Nguyen², Jong Sook Lee², and Ki Tae Nam¹

¹Seoul Nat'l Univ., Korea, ²Chonnam Univ., Korea