



IUMRS-ICEM 2018

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

Session Title	New Battery Systems	Session Code	Th-A2
Date and Time	2018-08-23 / 13:30 - 15:30		
Place	Room A		
Session Chair	TBA		

Th-A2-1

13:30 - 14:00

[Invited] Development of Rechargeable Seawater Battery

Youngsik Kim
UNIST, Korea

Th-A2-2

14:00 - 14:30

[Invited] Mixed Anion Compounds as a New Direction for the Promotion of New Battery Materials Chemistry

Nobuyuki Zettsu, Dae-wook Kim, Hiromasa Shiiba, and Katsuya Teshima
Shinshu Univ., Japan

Th-A2-3

14:30 - 14:45

High Energy Density Rechargeable Metal-Free Seawater Batteries: a Phosphorus/Carbon Composite as a Promising Anode Material

Yongil Kim, Soo Min Hwang, Hyein Yu, and Youngsik Kim
UNIST, Korea

Th-A2-4

14:45 - 15:00

Chemical Bath Deposited ZnO/Cu₂SnS₃ (CTS) Electrocatalysts on the Nickle Foam for the Applications of Zn-Air Batteries

Yu-Min Chou¹, Po-Yen Chen¹, and Kong-Wei Cheng^{1,2}
¹Chang Gung Univ., Taiwan, ²Chang Gung Memorial Hospital, Taiwan

Th-A2-5

15:00 - 15:15

Chlorination and Dechlorination for Seawater Disinfection during Seawater Battery Operation

Jeong-Sun Park, JeHee Park, Soo Min Hwang, and Youngsik Kim
UNIST, Korea

Th-A2-6

15:15 - 15:30

Porous Activated Graphene as an Anode Material for High-Performance Sodium-Ion Batteries

Ha-Kyung Roh, Young Hwan Kim, and Kwang-Bum Kim
Yonsei Univ., Korea

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15:30 - 15:45

Structural and Electrochemical Changes of Dual Doped Holey Graphene during Heat Treatment at Various Temperatures

Masoud Nazarian-Samani^{1,2}, Safa Haghghat-Shishavan¹, Mahboobeh Nazarian-Samani¹, Ha-Kyung Roh¹, Seyed Farshid Kashani-Bozorg², and Kwang-Bum Kim¹
¹Yonsei Univ., Korea, ²Univ. of Tehran, Iran