



IUMRS-ICEM 2018

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

Session Title	Meta-air Batteries	Session Code	Fr-A1
Date and Time	2018-08-24 / 8:30 - 10:30		
Place	Room A		
Session Chair	TBA		

Fr-A1-1

8:30 - 9:00

[Invited]Towards Controlling of Li_2O_2 Structures for Improvement of Charging Overpotential in Lithium-Oxygen Batteries

Hye Ryung Byon
KAIST, Korea

Fr-A1-2

9:00 - 9:30

[Invited]Toward High-Energy-Density Redox-Flow Batteries: Redox Processes and Design Strategies

Yi-Chun Lu, Guangtao Cong, and Zhejun Li
The Chinese Univ. of Hong Kong, China

Fr-A1-3

9:30 - 9:45

Synthesis and Characterization of ZnSe/Silver Nano-Composites Air Cathode in The Zn-Air Batteries

Yi-Ying Chung¹, Po-Yen Chen¹, and Kong-Wei Cheng^{1,2}
¹Chang Gung Univ., Taiwan, ²Chang Gung Memorial Hospital, Taiwan

Fr-A1-4

9:45 - 10:00

MOF-Derived Ultrasmall Iridium Oxide Nanoparticles Encapsulated Co_3O_4 Nanosheets with High Activity for Electrocatalytic Oxygen Evolution

Seokwon Song, Su-Ho Cho, Won-Tae Koo, Ki-Ro Yoon, Ji-Won Jung, and Il-Doo Kim
KAIST, Korea

Fr-A1-5

10:00 - 10:15

Efficient Photoelectrochemical Hydrogen Generation using Molybdenum Disulfide Film on Black Si Photocathode via Wafer-Scale Atomic Layer Deposition

Dae Woong Kim, Dae Hyun Kim, and Tae Joo Park
Hanyang Univ., Korea

Fr-A1-6

10:15 - 10:30

The Influences of the Amounts of Ag_8SnS_6 Electrocatalyst at the ZnO Nano-arrays Air Cathode of Zn-Air Batteries.

Yun-Chen Wu¹, Pei-Jung Wu¹, and Kong-Wei Cheng^{1,2}
¹Chang Gung Univ., Taiwan, ²Chang Gung Memorial Hospital, Taiwan