



IUMRS-ICEM 2018

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

Session Title	Catalyst Materials for Super Capacitors	Session Code	Fr-A2
Date and Time	2018-08-24 / 10:45 - 12:45		
Place	Room A		
Session Chair	TBA		

Fr-A2-1

10:45 - 11:15

[Invited] Nature-Inspired Biomolecules as Oxygen Evolving Catalysts for Sustainable and Efficient Lithium-Oxygen Batteries

Won-Hee Ryu
Sookmyung Women's Univ., Korea

Fr-A2-2

11:15 - 11:30

Atomically Distributed, Oxygen-Deficient Ge-Zn Hybrid Nanofibers for Excellent High Rate Cyclability

Jun Young Cheong¹, Gyujin Song², Chihyun Hwang², Jaegeon Ryu², Sungho Choi², Chanhon Kim¹, Sungho Kim², Hyun-Kon Song², Chongmin Wang³, Il-Doo Kim¹, and Soojin Park²
¹KAIST, Korea, ²UNIST, Korea, ³Pacific Northwest Nat'l Laboratory, Korea

Fr-A2-3

11:30 - 11:45

BiMn₂O₈/Activated Carbon Nanocomposite Materials for High Performance Supercapacitors

Benjaporn Yotburut^{1,2}, Worawat Meevasana^{1,2}, and Santi Maensiri¹
¹Suranaree Univ. of Tech., Thailand, ²Chiang Mai Univ., Thailand

Fr-A2-4

11:45 - 12:00

Morphology - Conserved Metal Organic Framework-Derived Porous Carbons/CNT Composites for High Performance Supercapacitor

Songgue Choi and Kwang-Bum Kim
Yonsei Univ., Korea

Fr-A2-5

12:00 - 12:15

Improved Electrochemical Performance and Density of ZIF-8/graphene Composites for EDLCs

Hun Seok Choi and Kwang-Bum Kim
Yonsei Univ., Korea

Fr-A2-6

12:15 - 12:30

Sulfonated-Poly(Aniline-co-p-Phenylenediamine) Nanofiber-Decorated Nitrogen-Doped Reduced Graphene Oxide with Fe(CN)₆⁴⁺/Fe(CN)₆³⁺ in Sulfuric Acid for High Performance Supercapacitor

Chatwarin Poochai^{1,2}, Chakrit Sriprachubwong^{1,2}, Nirachawadee Srisamrarn^{1,2}, Jutarat Sudchanham^{1,2}, and Adisorn Tuantranont^{1,2}
¹NECTEC, Thailand, ²NSTDA, Thailand

Fr-A2-7

12:30 - 12:45

Ni₃(VO₄)₂ Nanosheet Arrays on Aminated r-GO Sheets for Supercapacitor Applications

Prabhakar Rai, Rudra Kumar, and Ashutosh Sharma
IIT Kanpur, India