

Room A #101 8:30-10:30**[Fr-A1] Meta-air Batteries****Session Chairs:**

Hye Ryung Byon (KAIST, Korea),
Naoaki Yabbuchi (Yokohama Nat'l Univ., Japan)

Fr-A1-1 [Invited] 8:30-9:00

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

Hye Ryung Byon
KAIST, Korea

Fr-A1-2 [Invited] 9:00-9:30

Cationic/Anionic Redox with Li-Excess Cation-Disordered Rocksalt Oxides for Non-Aqueous Batteries

Yabuuchi Naoaki
Yokohama Nat'l Univ., Japan

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

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

Room B #102 8:30-10:30

[Fr-B1] Topological Insulators : Materials, Electronic Structure, and Transport Properties I

Session Chair:

Dohun Kim (Seoul Nat'l Univ., Korea)

Fr-B1-1 [Invited] 8:30-9:00

Towards Topological Electronics: Epitaxial Thin Films of Topological Dirac Semimetal Na_3Bi

Michael Fuhrer^{1,2,3}
¹Future Low-Energy Electronics Tech., Australia, ²Monash Centre for Atomically Thin Materials, Australia, ³ Monash Univ., Australia

Fr-B1-2 [Invited] 9:00-9:30

Recent Progress of Topological Phases in Graphene Systems

Zhenhua Qiao
ICQD/HFNL Univ. of Sci. and Tech., China

Fr-B1-3 9:30-9:45

Quasiparticle Interference of The Nodal Line Dirac Semimetal ZrSi

Bent Weber
Nanyang Technological Univ., Singapore

Fr-B1-4 9:45-10:00

Experimental Realization of Stable Topological Insulator by Ion Beam Irradiation

Jun Kue Park, Chan Young Lee, and Chorong Kim
KAERI, Korea

Fr-B1-5 10:00-10:15

Anisotropic Magnetoresistance in a $\text{Ni}_{81}\text{Fe}_{19}/\text{Ca-Bi}_2\text{Se}_3$ Hybrid Structure

Sung Jong Kim^{1,2}, Youn Ho Park², Chaun Jang², Andrzej Hruban³, Stanislaw Strzelecka⁴, Andrzej Materna⁴, and Hyun Cheol Koo^{1,2}
¹KU-KIST Graduate School, Korea, ²KIST, Korea, ³Inst. of Physics Polish Academy of Sci., Poland, ⁴Inst. of Electronic Materials Tech., Poland