



IUMRS-ICEM 2018

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

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|----------------------|--|---------------------|--------------|
| Session Title | Fuel Cell & Electrolyzer Materials II | Session Code | We-J1 |
| Date and Time | 2018-08-22 / 10:30 - 12:30 | | |
| Place | Room J | | |
| Session Chair | TBA | | |

We-J1-1

10:30 - 11:00

[Invited]Unravelling the Oxygen Reduction Mechanism of Fe-N-C Catalysts

Hyung-Kyu Lim¹, Chang Hyuck Choi², and Hyungjun Kim³
¹Kangwon Nat'l Univ., Korea, ²GIST, Korea, ³KAIST, Korea

We-J1-2

11:00 - 11:30

[Invited]Oxygen Evolution Reaction on Ni-based Two-Dimensional (2D) Titanate Nanosheets

Rahul Ramesh and Jinwoo Lee
POSTECH, Korea

We-J1-3

11:30 - 11:45

Heterogeneous Doping, a Novel in-situ Synthesis of Supported Metal Nanocatalysts

No Woo Kwak¹, SeungJin Jeong¹, WooChul Jung¹, Pilgyu Byeon¹, and Sung-Yoon Chung¹
¹KAIST, Korea

We-J1-4

11:45 - 12:15

[Invited]Breakthrough Performance and Scalability of Protonic Ceramic Fuel Cells

Jong-Ho Lee¹, Byung-Kook Kim¹, Hae-Weon Lee¹, Hyegsoon An^{1,2}, Ho-Il Ji¹, Dongwook Shin², Kyung Joong Yoon¹,
Mansoo Park¹, Hyoungchul Kim¹, and Ji-Won Son¹
¹KIST, Korea, ²Hanyang Univ., Korea

We-J1-5

12:15 - 12:30

Effects of Pd Incorporation on Internal Steam Reforming of n-Butane in Thin-Film-based Solid Oxide Fuel Cell at Low Temperatures (≤ 600 °C)

Cam-Anh Thieu^{1,2}, Mansoo Park¹, Ho-Il Ji¹, Hyoungchul Kim¹, Kyung Joong Yoon¹, Jong-Ho Lee^{1,2},
and Ji-Won Son^{1,2}
¹KIST, Korea, ²Korea Univ. of Sci. and Tech., Korea