



IUMRS-ICEM 2018

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

Session Title	Big Ideas in Novel Sensors II	Session Code	Mo-A2
Date and Time	2018-08-20 / 13:30 - 15:30		
Place	Room A		
Session Chair	TBA		

Mo-A2-1

13:30 - 14:00

[Invited] Recent Advances in Tailored Nanofibers for Selective Sensing

Il-Doo Kim
KAIST, Korea

Mo-A2-2

14:00 - 14:15

Au-Loaded Cr₂O₃ Yolk-Shell Spheres with Highly Sensitive and Selective Detection of Trimethylamine

Tae-Hyung Kim, Ji-Wook Yoon, Yun Chan Kang, and Jong-Heun Lee
Korea Univ., Korea

Mo-A2-3

14:15 - 14:30

Highly Selective and Sensitive SnS₂/rGO Hybrid Composite based Chemoresistive Gas Sensors

Seo Yun Park, Yeon Hoo Kim, Tae Hoon Kim, and Ho Won Jang
Seoul Nat'l Univ., Korea

Mo-A2-4

14:30 - 15:00

[Invited] Chemoresistive Gas Sensor Array based on 2D Materials: Recent Advances and Issues

Ho Won Jang
Seoul Nat'l Univ., Korea

Mo-A2-5

15:00 - 15:15

Facile Synthesis of Pt Functionalized PdO NWs for Room Temperature Hydrogen Gas Sensor

Hee-Jin Cho¹, Vivian Chen², Shaopeng Qiao², Won-Tae Koo¹, Il-Doo Kim¹, and Reginald Penner²
¹KAIST, Korea, ²Univ. of California, USA

Mo-A2-6

15:15 - 15:30

Design of Ultrasensitive and Sensitive Xylene Sensor using Cr₂O₃/ZnCr₂O₄ Hetero-Nanostructures

Jae-Hyeok Kim, Hyun-Mook Jeong, Chan Woong Na, Ji-Won Yoon, and Jong-Heun Lee
Korea Univ., Korea