



제 29회 한국반도체학술대회

The 29th Korean Conference on Semiconductors

2022년 1월 24일(월)~ 26일(수) | 강원도 하이원 그랜드호텔(컨벤션타워)

2022년 1월 26일(수), 09:00-10:30

Room L (다이아몬드 II, 6층)

C. Material Growth & Characterization 분과

[WL1-C] 산화물 II

좌장: 이정우 교수(연세대학교)

<p>WL1-C-1 09:00-09:30</p>	<p>Rational Design of Semiconducting Metal Oxides for Highly Selective Chemical Sensors Ji-Soo Jang <i>¹Center for Electronic Materials, KIST</i></p>
<p>WL1-C-2 09:30-09:45</p>	<p>Hot Electron Tunneling in Ultrathin Oxide Heterostructures for Enhanced Photodetection Jaeyoung Jeon and Hyungwoo Lee <i>Ajou University</i></p>
<p>WL1-C-3 09:45-10:00</p>	<p>Atomic-Scale Observation of Interfacial Reconstruction at Bi₂O₂Se/SrTiO₃ Heterostructure Using Aberration-Corrected TEM Han Beom Jeong¹, Yoonsu Shim¹, Minsoo Kang¹, Kibum Kang¹, Jong Min Yuk¹, and Hu Young Jeong² <i>¹KAIST, ²UNIST</i></p>
<p>WL1-C-4 10:00-10:15</p>	<p>In situ Probing of Tunneling Electroresistance Switching on Ferroelectric Tunnel Junction Min-Hyoung Jung¹, Hyun il Seo¹, Paniathan Sriboriboon¹, Yunseok Kim¹, Woo Seok Choi¹, Young-Min Kim¹, and Hu Young Jeong² <i>¹Sungkyunkwan University, ²UNIST</i></p>
<p>WL1-C-5 10:15-10:30</p>	<p>Electrocatalytic Surface with Sub-surface Activity in Manganese Oxide Heterostructures Jegon Lee¹, Prajwal Adiga², Sang A Lee³, Seung Hyun Nam¹, Hyeon-Ah Ju⁴, Min-Hyong Jung⁴, Hu Young Jeong⁵, Young-Min Kim⁴, Cindy Wong², Radwan Elzein², Rafik Addou², Kelsey A. Stoerzinger², and Woo Seok Choi¹ <i>¹Department of Physics, Sungkyunkwan University, ²School of Chemical, Biological and Environmental Engineering, Oregon State University, ³Department of Physics, Pukyong National University, ⁴Department of Energy Science, Sungkyunkwan University, ⁵Central Research Facilities and School of Materials Science and Engineering, UNIST, ⁶Physical Sciences Division, Pacific Northwest National Laboratory</i></p>