



P. Device for Energy (Solar Cell, Power Device, Battery, etc.) 분과

2019년 2월 14일(목), 11:00-12:30

Room J (란실, 5층)

[TJ2-P] Photovoltaic and Device Fabrication Technology

좌장: 김수영 교수(중앙대학교), 류학기 교수(아주대학교)

<p>TJ2-P-1 11:00-11:15</p>	<p>Enhanced Photoconversion in Band-Structure Engineered 2D Monolithic Heterojunctions Seunghoon Yang¹, Janghwan Cha², Jong Chan Kim³, Seong Won Lee⁶, Gwan-Hyoung Lee⁵, Hong-Gyu Park⁶, Hu Young Jeong⁴, Suklyun Hong², and Chul-Ho Lee¹ <i>¹KU-KIST Graduate School of Converging Science and Technology, Korea University, ²Department of Physics and Graphene Research Institute, Sejong University, ³School of Materials Science and Engineering, UNIST, ⁴UCRF, UNIST, ⁵Department of Materials Science and Engineering, Yonsei University, ⁶Department of Physics, Korea University</i></p>
<p>TJ2-P-2 11:15-11:45</p>	<p>[초청] Oxide-Halide Material Engineering for Efficient and Stable Perovskite Solar Cells Jun Hong Noh^{1,2} <i>¹School of Civil, Environmental and Architectural Engineering, ²Green School, Korea University</i></p>
<p>TJ2-P-3 11:45-12:00</p>	<p>Novel Field-Effect Passivation for Nanostructured Black Si Solar Cells Using Interfacial Sulfur Incorporation Dae Woong Kim, Jae-Won Song, Jung-Ho Lee, and Tae Joo Park <i>Department of Materials Science and Chemical Engineering, Hanyang University</i></p>
<p>TJ2-P-4 12:00-12:15</p>	<p>Efficiency Enhancement in Perovskite Solar Cells with Ferroelectricity C. W. Bark¹, S. Kim¹, N. T. Nguyen¹, D. H. Truyen¹, D. H. Sul², and Y. S. Kim² <i>¹Department of Electronic Engineering, Gachon University, ²Department of Materials Science, Sungkyunkwan University</i></p>
<p>TJ2-P-5 12:15-12:30</p>	<p>Germanium Surface Texturing by Metal-Assisted Chemical Etching Seunghyo Lee and Sangwoo Lim <i>Yonsei University</i></p>