



제 30회 한국반도체학술대회

The 30th Korean Conference on Semiconductors

2023년 2월 13일(월) ~ 15일(수) | 강원도 하이원리조트(그랜드호텔 컨벤션타워)

2023년 2월 15일(수), 10:45-12:30

Room F (스페이스 I, 6층)

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

[WF2-P] 태양광 및 전하이동기술

좌장: 유상우 교수(경기대학교), 김형우 박사(KERI)

WF2-P-1 10:45-11:15 [초청]	4H-SiC Lateral MOSFETs for SiC Integrated Circuits Hyoung Woo Kim, Jeong Hyun Moon, Jae Hwa Seo, and Wook Bahng <i>Advanced Semiconductor Research Center, KERI</i>
WF2-P-2 11:15-11:30	Transition Metal Ion Doping on ZIF-8 for Enhanced the Electrochemical CO₂ Reduction Reaction Jin Hyuk Cho and Soo Young Kim <i>Korea University</i>
WF2-P-3 11:30-11:45	Visualization of the Evidence for Defects in Charge Transport Layers of Perovskite Solar Cells by Fluorescence Quenching Hannah Kwon ¹ , Hyun Chul Kim ¹ , Seok Joon Kwon ² , and In Soo Kim ^{1,3} <i>¹Nanophotonics Research Center, KIST, ²School of Chemical Engineering, Sungkyunkwan University, ³KIST-SKKU Carbon Neutral Research Center, Sungkyunkwan University</i>
WF2-P-4 11:45-12:00	Silicon-hydrogen Bonding Configuration Modified by Layer Stacking Sequence in Silicon Heterojunction Solar Cells Jeong-Ho An ¹ , Joon Ho Oh ¹ , Kyung Taek Jeong ² , Hee-eun Song ² , and Ka-Hyun Kim ³ <i>¹Ulsan Advanced Energy Technology R&D Center, KIER, ²Photovoltaics Laboratory, KIER, ³Department of Physics, Chungbuk National University</i>
WF2-P-5 12:00-12:30 [초청]	Quantitative Visualization of Electronic Transfer at the Metal/Oxide Interfaces of Nanocatalyst Hyosun Lee <i>University of Seoul</i>