



제 31회 한국반도체학술대회

The 31st Korean Conference on Semiconductors

2024년 1월 24일(수)-26일(금) | 경주화백컨벤션센터(HICO)

2024년 1월 25일(목), 09:00-10:45

Room D(104), 1층

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

[TD1-P] 태양광 / 파워 디바이스

좌장: 유상우 교수(경기대학교), 박정웅 교수(가천대학교)

TD1-P-1 09:00-09:15	Chip Size Dependent Turn-off Behavior of SiC MOSFETs Yeonjun Kim and Hyemin Kang Department of Energy Engineering, KENTECH
TD1-P-2 09:15-09:30	Microstructure Design of n-type Bi ₂ Te ₃ Alloys via Selective Dissolution of KCl: Influence of Bi ₂ TeO ₅ Formation over an Eutectic Point Gwang Min Park ^{1,2} , Seunghyeok Lee ^{2,3} , Jun-Yun Kang ⁴ , Seung-Hyub Baek ² , Heesuk Kim ¹ , Jin-Sang Kim ¹ , and Seong Keun Kim ^{1,2} ¹ KU-KIST, Korea University, ² KIST, ³ Hanyang University, ⁴ KIMS
TD1-P-3 09:30-09:45	MoS _{2(1-x)} Te _{2x} / MoS ₂ Van Der Waals Heterojunctions for Ultra-Thin Photovoltaic Application Dong Hyun Seo ^{1,2} , Guen Hyung Oh ^{1,2} , Jong Min Song ^{1,2} , and TaeWan Kim ^{1,2} ¹ Department of Electrical Engineering, Jeonbuk National University, ² Smart Grid Research Center, Jeonbuk National University
초청발표 TD1-P-4 09:45-10:15	Efficient, Stable and Scalable Perovskite Solar Cells Jangwon Seo Department of Chemical & Biomolecular Engineering, KAIST
TD1-P-5 10:15-10:30	산화갈륨 기반 수직형 고전압 쇼트키 다이오드 구조 설계를 위한 해석적 모델 제안 Min-Jeoung Kim, Sung-Hoon Lee, Won-Chul Chol, Seung-Jun Oh, Ji-Ho Kim, and Ho-Young Cha School of Electronic and Electrical Engineering, Hongik University
TD1-P-6 10:30-10:45	ALD BeO Grown on (-201) and (001) β-Ga ₂ O ₃ Substrates for Power Devices Dohwan Jung ¹ , Yoonseo Jang ¹ , Sangoh Han ¹ , Christopher W. Bielawski ² and Jungwoo Oh ¹ ¹ School of Integrated Technology, Yonsei University, ² CMCM, IBS, Department of Chemistry, UNIST