



제 29회 한국반도체학술대회

The 29th Korean Conference on Semiconductors

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

2022년 1월 25일(화), 10:45-12:30

Room I (하트 II, 6층)

P. Device for Energy (Solar Cell, Power Device, Battery, etc.) 분과 [T12-P] Solar Energy Conversion & Next Generation Battery

좌장: 박성은 박사(KIER), 유상우 교수(경기대학교)

<p>T12-P-1 10:45-11:15</p>	<p>Epitaxially Grown Crystalline Silicon Wafer Using a Self-Releasing Bottom-Up Seed Layer Ji-Eun Hong¹, Yonghwan Lee², Sung-In Mo¹, Hye-Seong Jeong^{1,3}, Jeong-Ho An¹, Hee-eun Song⁴, Jihun Oh⁵, Junhyeok Bang³, Joon-Ho Oh¹, and Ka-Hyun Kim³ ¹Ulsan Advanced Energy Technology R&D Center, KIER, ²Convergence Materials Research Center, Innovative Technology Research Division, GERI, ³Department of Physics, Chungbuk National University, ⁴Photovoltaics Laboratory, KIER, ⁵Department of Materials Science and Engineering, KAIST</p>
<p>T12-P-2 11:15-11:30</p>	<p>다양한 광 조건에 대한 역구조 유기 태양전지의 안정성 연구 이형원¹, 최효정¹, 이용주^{1,2}, Biswas Swarup¹, 김혁¹ ¹서울시립대학교 전자전기컴퓨터공학부, ²한국생산기술연구원</p>
<p>T12-P-3 11:30-11:45</p>	<p>기능성 중간층을 적용한 자가발전형 근적외선 광다이오드 이용주^{1,2}, 장효원¹, 이형원¹, Biswas Swarup¹, 김혁¹ ¹서울시립대학교 전자전기컴퓨터공학부, ²한국생산기술연구원</p>
<p>T12-P-4 11:45-12:00</p>	<p>1,200V급 Field Stop IGBT 후면에 형성된 SiO₂에 의한 전기적 특성 변화에 관한 연구 Hyeong-Seong Jo, Chang Hyeon Jo, and Ey Goo Kang Department Energy IT Engineering, Far East University</p>
<p>T12-P-5 12:00-12:15</p>	<p>Hierarchical Heterostructured Anode Materials for High-Performance Sodium-Ion Batteries Hyojun Lim^{1,2} and Sang-Ok Kim^{1,2} ¹Energy Storage Research Center, KIST, ²Division of Energy & Environment Technology, Korea University of Science and Technology</p>
<p>T12-P-6 12:15-12:30</p>	<p>N Controlled Lithium Phosphorous Oxy-nitride(LiPON) Electrolyte Coating by LiPON:LiN ALD Cycle Ratio for Enhancing Ionic Conductivity Ha Yeon Kwon, Seong Hwan Hong, and Tae Joo Park Department of Materials Science and Chemical Engineering, Hanyang University</p>