



제 31회 한국반도체학술대회

The 31st Korean Conference on Semiconductors

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

2024년 1월 25일(목), 10:55-12:40

Room B(102), 1층

H. Display and Imaging Technologies 분과

[TB2-H] Display and Imaging Technologies II

좌장: 정예환 교수(한양대학교), 권혁인 교수(중앙대학교)

초청발표 TB2-H-1 10:55-11:25	Bio-inspired Electronic Eyes Using Flexible and Synaptic Optoelectronics Changsoon Choi Center for Opto-Electronic Materials and Devices, KIST
TB2-H-2 11:25-11:40	Effective Mg Doping in ZnO Nanoparticles via the Ultrasonic-assisted Synthesis for Quantum Dot Light-emitting Diodes Hyeonseung Ban ¹ , Yeongho Choi ^{2,3} , Hyo Geun Lee ¹ , Woon-ho Jung ^{2,3} , Jaehoon Lim ^{2,3,4} , and Seong-Yong Cho ¹ ¹ Department of Photonics and Nanoelectronics, Hanyang University ERICA, ² Department of Energy Science, Sungkyunkwan University, ³ Center for Artificial Atoms, Sungkyunkwan University, ⁴ SIEST, Sungkyunkwan University
TB2-H-3 11:40-11:55	P-type Cul Stacked IGZO-TFTs with Broadband Spectrum Responsivity Hyeon Jong Lee, Yun Sung Lee, Jong Joon Park, Gun Ho Bang, Jae Min Han, and Sung Hun Jin Department of Electronic Engineering, and I-Nanofab Center, Incheon National University
TB2-H-4 11:55-12:10	Wavelength - Tunable Grating - Resonance InGaAs Narrowband Photodetector with Infrared Optical PCM, Antimony Triselenide (Sb ₂ Se ₃) Junho Jang ¹ , Il-Suk Kang ² , and SangHyeon Kim ¹ ¹ School of Electrical Engineering, KAIST, ² NNFC
TB2-H-5 12:10-12:25	Analyzing the Luminance Drop and Voltage Behavior of Indium Phosphide Quantum Dot Light-emitting Diodes Yeongmin Moon and Jeonghun Kwak ¹ Department of Electrical and Computer Engineering, Seoul National University, ² ISRC, Seoul National University



제 31회 한국반도체학술대회

The 31st Korean Conference on Semiconductors

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

TB2-H-6
12:25-12:40

ALD-Based Multinary Metal Oxide Electron Transport Layer for Quantum Dot Light-emitting Diodes

Hyo Geun Lee^{1,2}, Yong Woo Kwon², Woon Ho Jung², Hyeonjun Lee⁴, Min Seok Kim¹, Hyun-Mi Kim⁵, Hyeongkeun Kim⁵, Hae Jin Kim⁶, Doh. C. Lee⁴, Jaehoon Lim^{2,3}, and Seong Yong Cho¹

¹Department of Photonics and Nanoelectronics, Hanyang University, ²Department of Energy Science and Center for Artificial Atoms, Sungkyunkwan University,

³Institute of Energy Science and Technology (SIEST), Sungkyunkwan University,

⁴Department of Chemical and Biomolecular Engineering, KAIST Institute for the Nanocentury, KAIST, ⁵Korea Electronics Technology Institute, ⁶Department of Materials Science and Engineering, College of Engineering, Myongji University