

IMiD 2020

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Topic Title: 07. Display Electronics and Systems

Session Title: 02. Emerging Devices and Circuits

[02_07_1602]

Multi-Level NOR and NAND Memory Arrays Comprising Oxide Thin-Film Transistors and their Driving Methods

Jongbin Kim (Kyung Hee Univ., Korea), Hoon-Ju Chung (KIT, Korea), and Seung-Woo Lee (Kyung Hee Univ., Korea)

[02_07_1525]

A Self-Sensing Electroactive Soft Photonic Device for Improvement of Color Expression Performance

Im bo Gong, Hyeon seok Eo, and Wook sung Kim (POSTECH, Korea)

[02_07_1395]

Optoelectronic Memristors Consisting of Sol-Gel Based Metal-Oxide Films for Artificial Neural Networks

Sang-Joon Park, Jun-Young Jeon, and Tae-Jun Ha (Kwangwoon Univ., Korea)

[02_07_1623]

An Inverting Amplifier with Higher Gain Using Corbino-TFTs

Woo-Rim Lee, Jae-Hee Joe, Mallory Mativenga (Kyung Hee Univ., Korea), Hoon-Ju Chung (Kumoh Nat'l Inst. of Tech., Korea), Soo Ji Nam, Su Jung Kim, Chun-Won Byun (ETRI, Korea), and Seung-Woo Lee (Kyung Hee Univ., Korea)

[02_07_1616]

Tunable Piezoelectric Nanogenerators Using Flexoelectricity of Well-Ordered Hollow 2D MoS₂ Shells Arrays for Wearable Device

Sungho Kim (KRICT, Korea and Sungkyunkwan Univ., Korea), Sang-Woo Kim (Sungkyunkwan Univ., Korea), Jongsun Lim, and Sung Myung (KRICT, Korea)