

iMiD 2020

The 20th International Meeting on Information Display
August 25 - 28, 2020 / Online Conference

Topic Title: 05. Active-Matrix Devices

Session Title: 02. High Performance Oxide TFT

[02_05_1726] [Invited]

High-Mobility Zn-Ba-Sn-O TFTs with Metal Capping Layers

Ji-Min Park (Chungnam Nat'l Univ., Korea), Ho-Hyun Nahm (KAIST, Korea), and Hyun-Suk Kim (Chungnam Nat'l Univ., Korea)

[02_05_1751] [Invited]

Development of High-Mobility Self-Aligned IGZTO-TFTs Utilizing Laser Irradiation Process

Hiroshi Tsuji, Mitsuru Nakata (NHK Science and Tech. Research Lab., Japan), Mototaka Ochi (Kobe Steel, Ltd., Japan), Tatsuya Takei, Masashi Miyakawa (NHK Science and Tech. Research Lab., Japan), Kohei Nishiyama (Kobe Steel, Ltd., Japan), Yoshiki Nakajima, and Takahisa Shimizu (NHK Science and Tech. Research Lab., Japan)

[02_05_1239]

CuCrZr Ternary Alloy Electrode of NdIZO-TFT for High-Performance Flexible Display

Honglong Ning, Kuankuan Lu, Zhennan Zhu, Weijian Yuan, Qunjie Li, Bin Qiu, Rihui Yao, and Junbiao Peng (South China Univ. of Tech., China)

[02_05_1461]

High Quality and Reliability Characterization of IGZO Device for Competitive Display Performance

Junehwan Kim, Hyuncheol Hwang, Yoonho Kim, Hyeokjae Kwon, Hyojung Kim, Kiju Im, Taeyoung Khim, Youngtae Choi, and Jongwoo Park (Samsung Display Co., Ltd., Korea)

[02_05_1467]

Device Scalability of TFTs down to 1 μ m Channel Length

Su Hyun Kim, Sang Min Yu, Mingoo Kim, Kihwan Kim (Hanyang Univ., Korea), Joon Seok Park, Jun Hyung Lim (Samsung Display Co., Ltd., Korea), and Saeroonter Oh (Hanyang Univ., Korea)