Oral Presentation

[FMC7] Quantum Dot

Special Topics of Interest on Quantum Dot Technologies
Chair: Takao Tomono (Toppan Printing)
Co-Chair: Yukito Saitoh (FUJIFILM Corporation)
Fri. Nov 29, 2019 1:20 PM - 2:20 PM Room 206 (2F)

2:00 PM - 2:20 PM

[FMC7-3] A Novel Display Technology—Perovskite Quantum Dot Display with Blue OLEDs
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Keywords: Perovskite, Quantum dot, Color conversion, AMOLED, Inkjet printing

We fabricated 6.6-inch perovskite quantum dot display panel by inkjet printing technology, being cooperated with active matrix organic light emitting diodes. Here, 3-stack blue OLEDs with top-emission structure acted as backlight and green perovskite layer acted as color downconverter, which exhibited excellent performances such as high color purity.