

Oral Presentation

[OLED4]QD Material & Devices

Special Topics of Interest on Quantum Dot Technologies

Chair: Takeo Wakimoto (Merck Performance Materials)

Co-Chair: Toshiaki Ikuta (JNC Corp.)

Thu. Nov 28, 2019 9:00 AM - 10:35 AM Room 204 (2F)

10:00 AM - 10:20 AM

[OLED4-4]Ambient Contrast Ratio Study of QD-OLED Devices

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Keywords: Ambient Contrast Ratio, Quantum dot, Circular polarizer

Quantum dots are promising color conversion materials to achieve high resolution full color display with wide color gamut and low cost. In this work, we studied the ambient contrast ratio of QD-OLED devices and demonstrated an optimal structure to realize high contrast displays