

Oral Presentation

[MEET4]Emerging Quantum Dots and Nanotechnologies (2)

Special Topics of Interest on Quantum Dot Technologies

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Fri. Nov 29, 2019 10:40 AM - 11:40 AM Conference Hall (1F)

10:40 AM - 11:00 AM

[MEET4-1(Invited)]In-situ Fabricated Perovskite Quantum Dots for Display Applications

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Keywords:quantum dots, display , perovskite, LCD backlights, electroluminescence

Halide perovskite quantum dots exhibit desired photoluminescence properties with high quantum yields, wide wavelength tunability, and ultra-narrow emissions, which are suitable for display technology. Here we describe the in-situ fabrication of perovskite quantum dots and their use in prototype devices and display system.