

Topic Title: 16. Quantum Dots

Session Title: 01. Photophysical Properties of QDs

[01_16_1365] [Invited]

Learnings from Fluorescence Lifetime and Intensity Distribution of Quantum Dots

Sungmin Park, Jeongmin Lee, Sanghwa Moon, and Kyoungwon Pak (KETI, Korea)

[01_16_1482]

III-V Semiconductor Nanocrystal Quantum Emitters

Donghyo Hahm, Seong Pil Huh, Jisoo Park, Joonha Hwang, Kee Young Lee, Dongju Jung, and Wan Ki Bae (Sungkyunkwan Univ., Korea)

[01_16_1614]

Highly Lattice Mismatched ZnSe_{1-x}Te_x Alloy Quantum Dots for Blue to Yellow Light-Emitting Diodes

Jun Hyuk Chang, Hak June Lee, Jeong Woo Park, Doyoon Shin, and Wan Ki Bae (Sungkyunkwan Univ., Korea)

[01_16_1699]

Facile Synthesis of ZnSe Based Blue Quantum Dots with High Color Purity Using Gradient Shelling Method and their Display Devices

Woon-Ho Jung, Chil Won Lee, Jong-Gyu Kim, Jang Sub Kim, and Byung Doo Chin (Dankook Univ., Korea)

[01_16_1770] [Invited]

Colloidal Quantum Dot Light-Emitting Diodes with an Integrated Optical Cavity toward Solution Processable Laser Diodes

Jeongkyun Roh (Pusan Nat'l Univ., Korea, and Los Alamos Nat'l Lab., USA), Young-Shin Park (Los Alamos Nat'l Lab., USA and Univ. of New Mexico, USA), Jaehoon Lim (Los Alamos Nat'l Lab., USA and Sungkyunkwan Univ., Korea), and Victor I. Klimov (Los Alamos Nat'l Lab., USA)