

Oral Presentation

[PH1]Phosphors and Devices

Chair: Rong-Jun Xie (Xiamen University)

Co-Chair: Koutoku Ohmi (Tottori University)

Fri. Nov 29, 2019 10:40 AM - 11:55 AM Room 204 (2F)

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[PH1-4L]Development of $(\text{La},\text{Y})_3\text{Si}_6\text{N}_{11}:\text{Ce}^{3+}$ Nitride Yellow Phosphors for High-Power Excitation

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Keywords:Nitride yellow phosphor, Color variation, White LED, Laser excitation

$(\text{La},\text{Y})_3\text{Si}_6\text{N}_{11}:\text{Ce}^{3+}$ (LSN) phosphor has been used for white LEDs in back light units (BLUs). We have succeeded in developing LSN phosphors with wide color variations and excellent luminescence properties. We expect that LSN phosphors will be used not only in BLUs but also in other lighting and laser devices.