

Poster Presentation

## [PHp1]Phosphors and Devices

Thu. Nov 28, 2019 10:40 AM - 1:10 PM Main Hall (1F)

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10:40 AM - 1:10 PM

### [PHp1-2]Polarized light from in-plane aligned $\text{Y}_2\text{WO}_6\text{:Gd}$ nanorod films prepared by dip coating method

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Keywords:  $\text{Y}_2\text{WO}_6\text{:Gd}$ , nanorod film, dip coating, polarization

In-plane aligned  $\text{Y}_2\text{WO}_6\text{:Gd}$  nanorod films were prepared by dip coating method. Weakly polarized emission band around 460 nm was observed from the films. The observed polarization was found to be explained by the theory of emission affected by the light confinement effect in nanorods.