
Poster Presentation

[PHp1]Phosphors and Devices

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

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[PHp1-6L]Preparation of Mn Doped Mg_2TiO_4 Deep Red Emitting Phosphor by Liquid Phase Synthesis

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$\text{Mg}_2\text{TiO}_4\text{:Mn}$ deep red emitting phosphor was synthesized by a liquid phase synthesis using urea and PEG. The inhomogeneous and agglomeration of the particle decreased, and fine particle phosphor was obtained. Mg_2TiO_4 phase was preferentially formed and observed at 658 nm and 670 nm under 450 nm excitation.