



Contribution ID: 279

Type: Oral Presentation

Enhanced green emission from UV down-converting Ce³⁺-Tb³⁺ co-activated ZnAl₂O₄ phosphor

Thursday, 14 July 2011 09:00 (15 minutes)

Rare-earths (Tb³⁺

or Ce³⁺) doped zinc aluminate (ZnAl₂O₄) nanocrystals were successfully prepared by a modified combustion method using urea (CH₄N₂O, 99–99.5

Level (Hons, MSc, PhD, other)?

PhD

Consider for a student award (Yes / No)?

Yes

Would you like to submit a short paper for the Conference Proceedings (Yes / No)?

Yes

Primary authors: Mr TSHABALALA, Kamohelo George (University of the Free State); Prof. NTWAE-ABORWA, Odireleng Martin (University of the Free State)

Co-authors: Prof. SWART, Hendrick (University of the Free State); Dr PARK, Jung-Ku (Korea Institute of Science and Technology (KIST)); Dr CHO, So-Hye (Korea Institute of Science and Technology (KIST))

Presenter: Mr TSHABALALA, Kamohelo George (University of the Free State)

Session Classification: CMPMS1

Track Classification: Track A - Condensed Matter Physics and Material Science