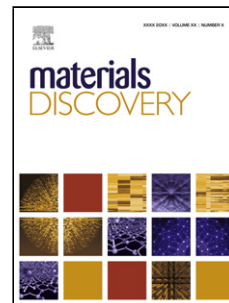


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Authors: V.B. Pawade, R. Birmod, Aishwarya Waghmare, K.V. Dabre, S.J. Dhoble



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UV -Visible Downshifting in CdWO₄:Ce³⁺ Nanosized Phosphor

#V.B.Pawade, *R.Birmod, *Aishwarya Waghmare, **K.V.Dabre, S.J.Dhoble

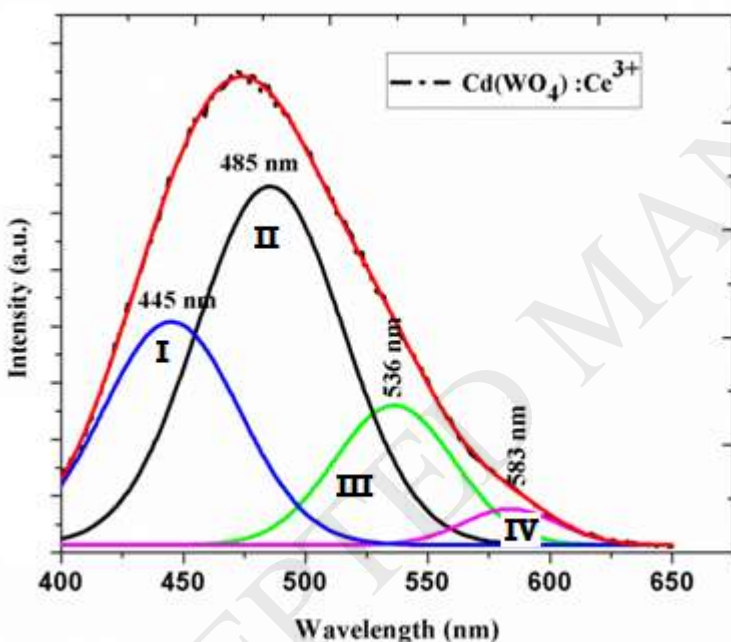
#Department of Applied-Physics, Laxminarayan Institute of Technology, Nagpur-440033, India

*Department of Chemical Engineering, Laxminarayan Institute of Technology, Nagpur-440033, India.

**Department of Physics, Taywade College, Koradi, Nagpur-441111, India

Department of Physics, R.T.M. Nagpur University, Nagpur-440033, India

GRAPHICAL ABSTRACT



Abstract

In this paper, the synthesis of Ce³⁺ doped CdWO₄ nanophosphor and its downshifting properties is presented. The reported nanosized phosphor was synthesized by low cost and low-temperature wet chemical method. Phase purity and crystallite size were measured by XRD and HRTEM techniques, and photoluminescence characterization was carried out for its downshifting properties. The XRD pattern reveals that the CdWO₄ has a monoclinic structure in good agreement with standard PDF pattern. HRTEM images reveal that the phosphor has nanoflakes

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