سیویلیکا - ناشر تخصصی مقالات کنفرانس ها و ژورنال ها
گواهی ثبت مقاله در سیویلیکا
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عنوان مقاله:

Investigation of Zn1-XMgxo Stoichiometry Effects on Sol Chemical Stability

محل انتشار:

پنجمین کنگره بین المللی نانو و فناوری نانو (ICNN2014) (سال: 1393)

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خلاصه مقاله:

This paper investigated a solution composed of 1 Molar zinc oxide and magnesium oxide solutions withdifferent compound percentages provided through sol-gel method which is stable for long time. The solution densityplays a key role in preparing the uniform thin films. In order to obtain this purpose, we use the acetated precursors andTriethylamine as a stabilizer with a novel sol-gel method. To characterize the optical properties of the obtainedspecimen, estimating band gap energies and particle sizes the absorbance and transmission was measured using UVVISdouble beam spectrophotometer in the wavelength range 200–800 nm. Scanning electron microscopy .was used fordetermination of the nanoparticle size and sample morphology

کلمات کلیدی:

Zn1-XMgxO; Sol-gel method; Stoichiometry; Sol stability; UV-Vis spectroscopy

لینک ثابت مقاله در پایگاه سیویلیکا:

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