

عنوان مقاله:

Sol- gel syntheses and characterization of zirconia nanoparticles by using ultrasonic radiation

محل انتشار:

همایش ملی نانو فناوری و شیمی سبز (سال: 1391)

تعداد صفحات اصل مقاله: 4

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خلاصه مقاله:

nano-ZrO₂ particles were prepared by sol-gel method under ultrasonic irradiation . During this study, zirconium dioxide was prepared in ethanol using zirconium(IV) chloride as precursors.. Nano-size zirconia was obtained by thermal decomposition of alcohol mediated of zirconium(IV) hydroxide at 800°C. The phase purity was confirmed by furrier transfer- Infrared spectroscopy (FT-IR) . particle size was determined from Scanning electron microscopy (SEM) was found to be 20–50 nm

کلمات کلیدی:

ZrO₂; Sol-gel; Ultrasonic irradiation nanoparticle

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