

عنوان مقاله:

Preparation and Characterization of TiO₂ Nanowires by Hydrothermal Method

محل انتشار:

دومین کنگره بین المللی علوم و فناوری نانو (سال: 1387)

تعداد صفحات اصل مقاله: 2

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خلاصه مقاله:

TiO₂ nanowires are interesting candidate for photo-catalytic and dye-sensitized solar cell applications. Several methods such as solvothermal, sol-gel and hydrothermal have been applied to prepare TiO₂ nanowires [1-3]. In this research approach, we have prepared TiO₂ nanowires by hydrothermal method and characterized titanium oxide nanowires by XRD, SEM and TEM. Experimental results confirmed that this technique is reliable for preparation of narrow size distribution and controlled shape and morphology of TiO₂ nanomaterials

کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

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