

عنوان مقاله:

Fabrication of ceric dioxide nanostructures via a simple way

محل انتشار:

دومین همایش بین المللی علوم و فناوری نانو دانشگاه تهران (سال: 1400)

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خلاصه مقاله:

In this research, ceric dioxide nanostructure was produced through a novel and easy route. In order to find the optimal conditions for the synthesis of ceric dioxide nanostructure, the role of some production parameters was examined. Results of this investigation displayed that the particle size and shape of ceric dioxide nanostructure were strikingly affected by the examined parameters. The as-produced ceric dioxide nanostructure was characterized with FT-IR, FESEM, EDS and XRD. Based on our outcomes, it was found that with the help of this novel route can be fabricated ceric dioxide nanostructure with proper homogeneity. Furthermore, the photocatalyst activity of as-formed ceric dioxide nanostructure was examined via elimination of the organic contamination under visible light

کلمات کلیدی:

.Nanostructure, Ceric dioxide, FESEM, Photocatalytic activity

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<https://civilica.com/doc/1274850>

