

عنوان مقاله:

Removal of organic dye from aqueous solution using nano Fe₀-ZnO/Vis. System

محل انتشار:

همایش ملی شیمی پاک (سال: 1393)

تعداد صفحات اصل مقاله: 1

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خلاصه مقاله:

In order to improve the efficiency further, researchers have loaded some metals or metal oxides on semiconductors such as TiO₂ and ZnO surface for modification of their photocatalytic activity. In this work, the degradation of methyl orange (MO) from aqueous solution by prepared nanosized Fe₀-ZnO as a photocatalyst in the presence of visible light was investigated. The results showed the photocatalytic activity of prepared photocatalyst compared with nanosized ZnO as a standard photocatalyst was increased in same operational condition. The effective parameters on MO degradation which included the amount of photocatalyst, initial concentration of MO, pH and temperature were evaluated in designed batch reactor.

کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/368754>

