

عنوان مقاله:

Photocatalytic degradation of reactive blue 19 using magnetic MnOY/ZIF-A

محل انتشار:

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خلاصه مقاله:

The present study offers a novel magnetic MnOY/ZIF-A heterojunction photocatalyst for the degradation of reactive blue 19 (RB19) under visible light irradiation. Morphology and structure characterization of the prepared photocatalyst indicated that polyhedral ZIF-λ (ca. Δοο nm) was coated by MnOY/Fe۳OF nanorods. The synergy effect of magnetic MnOY/ZIF-A nanocomposite exhibited an excellent photocatalytic activity toward RB19 degradation of 99.6% after 50 min of irradiation due to high surface area and heterojunction formation. Besides, FerOf/MnOY/ZIF-A showed a high .removal efficiency of 91.4% even after ten repeated cycles

كلمات كليدي:

Photocatalytic degradation, ZIF-A, magnetic MnOY, Nanocomposite, Reactive blue 19

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