

عنوان مقاله:

Fabrication of ZnFe₂O₄/GO nanocatalyst with enhanced and stable photocatalytic performance

محل انتشار:

پنجمین کنگره ملی شیمی و نانوشیمی از پژوهش تا فناوری (سال: 1401)

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خلاصه مقاله:

In this work, GO/ZnFe₂O₄ has been synthesized as a novel nanocomposite to investigate its performance on photocatalytic activity. Then, the magnetic nanocomposite was characterized by FT-IR and UV-Vis. So, the nanocomposite was applied to degrade methylene blue. The dye degradation process attained ۹۶% promising efficiency in only ۶۰ min and just ۲.۷% degradation after ۳۰ min in dark conditions.

کلمات کلیدی:

Environmental application, graphene oxide, ZnFe₂O₄ NPs

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