

عنوان مقاله:

Decreasing of band gap TiO₂ nanoparticle for application as a visible photocatalyst

محل انتشار:

چهارمین کنگره ملی شیمی و نانوشیمی از پژوهش تا فناوری (سال: 1400)

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خلاصه مقاله:

Due to many advantages for the TiO₂ compared to other semiconductor photocatalysts and its large band gap that is used in UV-region, the development of visible-light active titanium dioxide is one of the key challenges in the field of semiconductor photocatalysis. In this work we investigated on the new developments on the modification of TiO₂ for application as a visible photocatalyst in degradation of organic pollutants.

کلمات کلیدی:

TiO₂, Photocatalyst, visible, doping

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