

عنوان مقاله:

Comparison investigation on photocatalytic efficiency of TiO₂ nanosheets doped by cobalt and silver for tetracycline degradation under visible light

محل انتشار:

ششمین کنفرانس بین المللی کامپوزیت، مشخصه سازی، ساخت و کاربرد (سال: 1397)

تعداد صفحات اصل مقاله: 2

نویسندگان:

A Ebrahimi Pirbazari, - Assistant Professor

S Jamali Alyani, - MSc student in Chemical Engineering, Fouman Faculty of Engineering, College of Engineering, University of Tehran, Fouman ۴۳۵۱۶-۶۶۴۵۶ Iran

F.S Tabatabai Yazdi, - MSc student in Chemical Engineering, Fouman Faculty of Engineering, College of Engineering, University of Tehran, Fouman ۴۳۵۱۶-۶۶۴۵۶ Iran

N Gilani, - Assistant Professor

خلاصه مقاله:

TiO₂ nanosheets (TNs) doped by two transition metals (Co and Ag), were successfully prepared and their application was studied for tetracycline photodegradation under visible light. The structural and morphological properties of the samples were characterized using different techniques such as: FESEM/EDX, DRS, XRD and Raman. We obtained 48.60, 62.03 and 25.62 % photocatalytic degradation for tetracycline in the presence of TNs, TNs-Co and TNs-Ag samples respectively under visible light.

کلمات کلیدی:

TiO₂ nanosheets, Cobalt, Silver, Tetracycline antibiotic

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