

عنوان مقاله:

Improvement in photocatalysts and photocatalytic reactors for water and wastewater treatment: A review

محل انتشار:

فصلنامه علوم و فناوری ذرات, دوره 2, شماره 3 (سال: 1395)

تعداد صفحات اصل مقاله: 23

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خلاصه مقاله:

During recent years, many advanced oxidation techniques have been investigated for water and wastewater treatment to overcome the shortage of clean water. This review summarizes the background and principles of photocatalysis applied as an advanced oxidation technology. In particular, this paper focuses on modification of photocatalysts with various dopants as well as the novel photocatalytic reactors to improve the oxidation efficiency of the pollutants in water and wastewater

کلمات کلیدی:

„Semiconductor, Photocatalyst, Photocatalytic reactor, Water and wastewater treatment, Pollutants

لینک ثابت مقاله در پایگاه سیویلیکا:

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