

Photocatalytic degradation of organic contaminants in water with TiO₂ supported on polythene films.

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Abstract

TiO₂ is known to be an excellent photocatalyst for complete mineralization of organic contaminants in water. However, the separation of TiO₂ particles creates problems in practical application of the process. It is found that TiO₂ can be readily supported on polythene films without inhibiting the photocatalytic activity. As an example, data on photocatalytic degradation of phenol by TiO₂ supported on polythene films is presented.

Keywords: Photocatalytic degradation; Organic contaminants; Polythene films
