

Accepted Manuscript

Title: Continuous removal of tetracycline in a photocatalytic membrane reactor (PMR) with ZnIn_2S_4 as adsorption and photocatalytic coating layer on PVDF membrane

Authors: Bo Gao, Weiping Chen, Jiadong Liu, Jiajun An, Lei Wang, Ying Zhu, Mika Sillanpää



PII: S1010-6030(18)30505-7
DOI: <https://doi.org/10.1016/j.jphotochem.2018.07.008>
Reference: JPC 11374

To appear in: *Journal of Photochemistry and Photobiology A: Chemistry*

Received date: 18-4-2018
Revised date: 27-6-2018
Accepted date: 5-7-2018

Please cite this article as: Gao B, Chen W, Liu J, An J, Wang L, Zhu Y, Sillanpää M, Continuous removal of tetracycline in a photocatalytic membrane reactor (PMR) with ZnIn_2S_4 as adsorption and photocatalytic coating layer on PVDF membrane, *Journal of Photochemistry and Photobiology, A: Chemistry* (2018), <https://doi.org/10.1016/j.jphotochem.2018.07.008>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Continuous removal of tetracycline in a photocatalytic membrane reactor (PMR) with ZnIn_2S_4 as adsorption and photocatalytic coating layer on PVDF membrane

Bo Gao^{a, b, c, d*}, Weiping Chen^{a, b, c}, Jiadong Liu^{a, b, c}, Jiajun An^{a, b, c}, Lei Wang^{a, b, c}, Ying Zhu^{a, b, c}, Mika Sillanpää^d

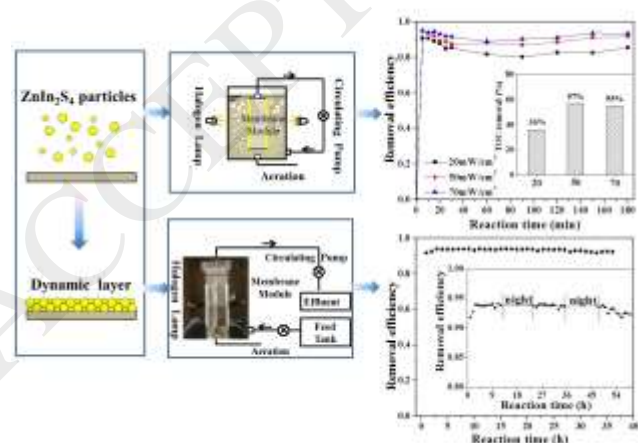
^a Shaanxi Key Laboratory of Environmental Engineering, Xi'an University of Architecture and Technology, Xi'an 710055, China

^b Key Laboratory of Northwest Water Resource, Environment and Ecology, MOE, Xi'an University of Architecture and Technology, Xi'an 710055, China

^c Key Laboratory of Membrane Separation of Shaanxi Province, Xi'an University of Architecture and Technology, Xi'an 710055, China

^d Laboratory of Green Chemistry, Faculty of Technology, Lappeenranta University of Technology, Sammonkatu 12, FIN-50130 Mikkeli, Finland

Graphical abstract



*Corresponding author. Tel. +358 0503368529, +86 15529207293;

E-mail address: gaobo@xauat.cn, gbljd1986@163.com (B. Gao).

Download English Version:

<https://daneshyari.com/en/article/6492442>

Download Persian Version:

<https://daneshyari.com/article/6492442>

[Daneshyari.com](https://daneshyari.com)