Accepted Manuscript

Title: Hybrid sonocatalysis/electrolysis process for intensified decomposition of amoxicillin in aqueous solution in the presence of magnesium oxide nanocatalyst

Authors: Reza Darvishi Cheshmeh SoltaniSoltani, Masumeh Mashayekhi, Alireza Khataee, Mohammad-Javad Ghanadzadeh, Mika Sillanpää

PII: S1226-086X(18)30159-X

DOI: https://doi.org/10.1016/j.jiec.2018.03.038

Reference: JIEC 3938

To appear in:

Received date: 14-10-2017 Revised date: 22-3-2018 Accepted date: 30-3-2018



Please cite this article as: Reza Darvishi Cheshmeh SoltaniSoltani, Masumeh Mashayekhi, Alireza Khataee, Mohammad-Javad Ghanadzadeh, Mika Sillanpää, Hybrid sonocatalysis/electrolysis process for intensified decomposition of amoxicillin in aqueous solution in the presence of magnesium oxide nanocatalyst, Journal of Industrial and Engineering Chemistry https://doi.org/10.1016/j.jiec.2018.03.038

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.

ACCEPTED MANUSCRIPT

Hybrid sonocatalysis/electrolysis process for intensified decomposition of amoxicillin in aqueous solution in the presence of magnesium oxide nanocatalyst

Reza Darvishi Cheshmeh Soltani,^a Masumeh Mashayekhi,^a Alireza Khataee, ^{b,c*} Mohammad-Javad Ghanadzadeh,^a Mika Sillanpää ^{d,e}

- ^a Department of Environmental Health Engineering, School of Health, Arak University of Medical Sciences, Arak, Iran
- ^b Research Laboratory of Advanced Water and Wastewater Treatment Processes, Department of Applied Chemistry, Faculty of Chemistry, University of Tabriz, 51666-16471 Tabriz, Iran
- ^c Department of Materials Science and Nanotechnology Engineering, Faculty of Engineering, Near East University, 99138 Nicosia, North Cyprus, Mersin 10, Turkey
- ^d Lappeenranta University of Technology, School of Engineering Science, Laboratory of Green Chemistry, Sammonkatu 12, FI-50130 Mikkeli, Finland
- ^e Department of Civil and Environmental Engineering, Florida International University, Miami FL-33174, USA

Download English Version:

https://daneshyari.com/en/article/6666281

Download Persian Version:

https://daneshyari.com/article/6666281

<u>Daneshyari.com</u>