

## Accepted Manuscript

Title: Green Synthesis of the Reduced Graphene Oxide-CuI Quasi-Shell-Core Nanocomposite: A Highly Efficient and Stable Solar-Light-Induced Catalyst for Organic Dye Degradation in Water

Author: Jiha Choi D. Amaranatha Reddy M. Jahurul Islam  
Bora Seo Sang Hoon Joo Tae Kyu Kim



PII: S0169-4332(15)01737-7  
DOI: <http://dx.doi.org/doi:10.1016/j.apsusc.2015.07.170>  
Reference: APSUSC 30897

To appear in: *APSUSC*

Received date: 16-6-2015  
Revised date: 22-7-2015  
Accepted date: 23-7-2015

Please cite this article as: J. Choi, D.A. Reddy, M.J. Islam, B. Seo, S.H. Joo, T.K. Kim, Green Synthesis of the Reduced Graphene Oxide-CuI Quasi-Shell-Core Nanocomposite: A Highly Efficient and Stable Solar-Light-Induced Catalyst for Organic Dye Degradation in Water, *Applied Surface Science* (2015), <http://dx.doi.org/10.1016/j.apsusc.2015.07.170>

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.

## Research highlights

*Jiha Choi et al., Green Synthesis of the Reduced Graphene Oxide-CuI Quasi-Shell-Core Nanocomposite: A Highly Efficient and Stable Solar-Light-Induced Catalyst for Organic Dye Degradation in Water*

- Green synthesis of RGO-CuI Quasi-Shell-Core nanocomposites without any surfactant
- Promising candidates as solar light active photocatalyst for dye degradation
- Significant improvement of the photocatalytic activity in RGO wrapped composites
- The best photocatalytic activity to RhB has been attained for CuI-RGO (2 mg. mL<sup>-1</sup>)

Download English Version:

<https://daneshyari.com/en/article/5357781>

Download Persian Version:

<https://daneshyari.com/article/5357781>

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