

Accepted Manuscript

Facile one-pot strategy to prepare Ag/Fe₂O₃ decorated reduced graphene oxide nanocomposite and its catalytic application in chemoselective reduction of nitroarenes

Bappi Paul, Debraj Dhar Purkayastha, Siddhartha Sankar Dhar, Subhankar Das, Sudipta Haldar

PII: S0925-8388(16)31207-5

DOI: [10.1016/j.jallcom.2016.04.229](https://doi.org/10.1016/j.jallcom.2016.04.229)

Reference: JALCOM 37427

To appear in: *Journal of Alloys and Compounds*

Received Date: 23 February 2016

Revised Date: 6 April 2016

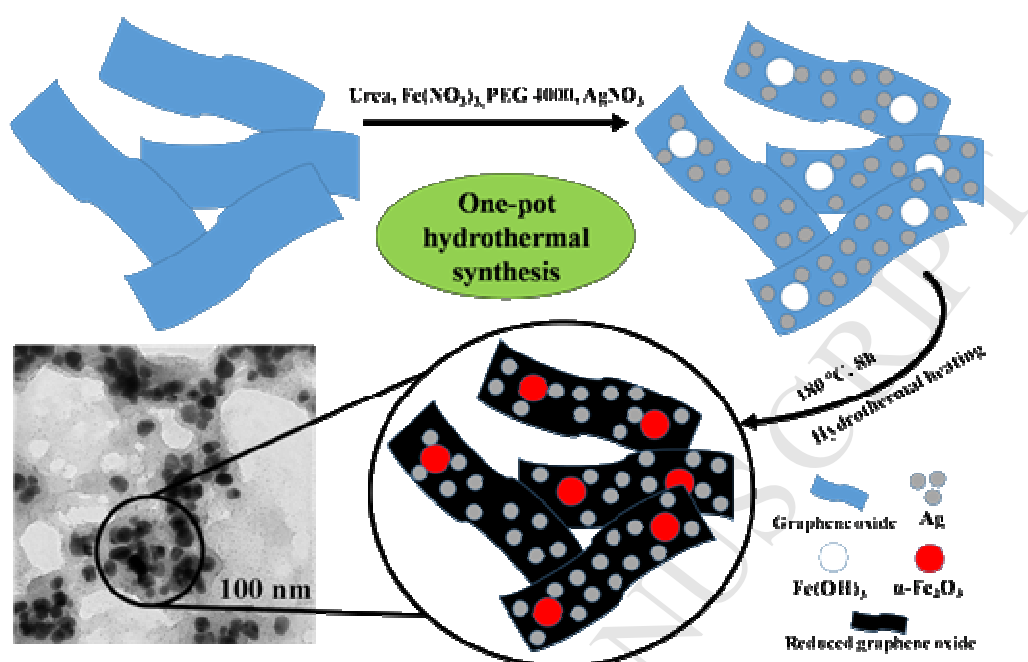
Accepted Date: 22 April 2016

Please cite this article as: B. Paul, D.D. Purkayastha, S.S. Dhar, S. Das, S. Haldar, Facile one-pot strategy to prepare Ag/Fe₂O₃ decorated reduced graphene oxide nanocomposite and its catalytic application in chemoselective reduction of nitroarenes, *Journal of Alloys and Compounds* (2016), doi: [10.1016/j.jallcom.2016.04.229](https://doi.org/10.1016/j.jallcom.2016.04.229).

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.



Graphical abstract



One pot in-situ synthesis of $\text{Ag}/\text{Fe}_2\text{O}_3$ anchored rGO assisted by urea and PEG 4000 is described. The novel nanohybrid material ($\text{Ag}/\text{Fe}_2\text{O}_3$ -rGO) is used as highly efficient magnetically separable heterogeneous catalyst for chemoselective reduction of nitroarenes to corresponding amines.

Download English Version:

<https://daneshyari.com/en/article/1605569>

Download Persian Version:

<https://daneshyari.com/article/1605569>

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