### **Accepted Manuscript**

Title: Cellulose nanocrystal/hexadecyltrimethylammonium bromide/silver nanoparticle composite as a catalyst for reduction of 4-Nitrophenol

Author: Xingye An Yunduo Long Yonghao Ni

PII: S0144-8617(16)31051-7

DOI: http://dx.doi.org/doi:10.1016/j.carbpol.2016.08.099

Reference: CARP 11524

To appear in:

Received date: 1-8-2016 Revised date: 27-8-2016 Accepted date: 30-8-2016

Please cite this article as: An, Xingye., Long, Yunduo., & Ni, Yonghao., Cellulose nanocrystal/hexadecyltrimethylammonium bromide/silver nanoparticle composite as a catalyst for reduction of 4-Nitrophenol. *Carbohydrate Polymers* http://dx.doi.org/10.1016/j.carbpol.2016.08.099

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

# Cellulose nanocrystal/ hexadecyltrimethylammonium bromide/ silver nanoparticle composite as a catalyst for reduction of 4-Nitrophenol

Xingye An $^{a,b}$ , Yunduo Long $^{b}*$  and Yonghao Ni $^{a,b}*$ 

<sup>a</sup>Tianjin Key Laboratory of Pulp and Paper, Tianjin University of Science and Technology, Tianjin 300457, China.

<sup>b</sup>Department of Chemical Engineering, University of New Brunswick, Fredericton, New Brunswick, E3B 5A3, Canada.

#### Download English Version:

## https://daneshyari.com/en/article/5157484

Download Persian Version:

https://daneshyari.com/article/5157484

<u>Daneshyari.com</u>