

Accepted Manuscript

Title: Effect of MgO shell on electron transfer from Cu doped ZnInS quantum dots to FePt nanoparticles

Authors: Yang Liu, Jie Hua, Kewei Zhang, Jialong Zhao, Haibo Li



PII: S0025-5408(17)34345-3
DOI: <https://doi.org/10.1016/j.materresbull.2018.02.053>
Reference: MRB 9877

To appear in: *MRB*

Received date: 20-11-2017
Revised date: 28-2-2018
Accepted date: 28-2-2018

Please cite this article as: Liu Y, Hua J, Zhang K, Zhao J, Li H, Effect of MgO shell on electron transfer from Cu doped ZnInS quantum dots to FePt nanoparticles, *Materials Research Bulletin* (2010), <https://doi.org/10.1016/j.materresbull.2018.02.053>

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.

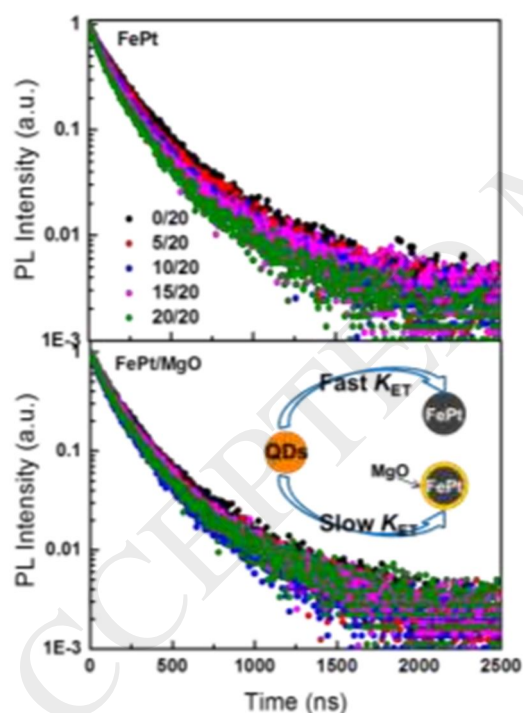
Effect of MgO shell on electron transfer from Cu doped ZnInS quantum dots to FePt nanoparticles

Yang Liu, Jie Hua, Kewei Zhang, Jialong Zhao, Haibo Li*

Key Laboratory of Functional Materials Physics and Chemistry of the Ministry of Education, Jilin Normal University, Siping 136000, China

*Corresponding author. Tel.: +86 434 3290232; Fax: +86 434 3292233 E-mail address: lihaibo@jlnu.edu.cn (Haibo Li).

Graphical abstract



The formation of interfacial MgO barriers could efficiently restrain the electron transfer at Cu doped ZnInS QD-FePt NP interface.

Download English Version:

<https://daneshyari.com/en/article/7904703>

Download Persian Version:

<https://daneshyari.com/article/7904703>

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