

Accepted Manuscript

Title: A novel method for pullulanase immobilized onto magnetic chitosan/Fe₃O₄ composite nanoparticles by in situ preparation and evaluation of the enzyme stability

Author: Jie Long Aiquan Jiao Benxi Wei Zhengzong Wu
Yujing Zhang Xueming Xu Zhengyu Jin



PII: S1381-1177(14)00229-X
DOI: <http://dx.doi.org/doi:10.1016/j.molcatb.2014.08.007>
Reference: MOLCAB 3005

To appear in: *Journal of Molecular Catalysis B: Enzymatic*

Received date: 10-3-2014
Revised date: 4-8-2014
Accepted date: 11-8-2014

Please cite this article as: J. Long, A. Jiao, B. Wei, Z. Wu, Y. Zhang, X. Xu, Z. Jin, A novel method for pullulanase immobilized onto magnetic chitosan/Fe₃O₄ composite nanoparticles by in situ preparation and evaluation of the enzyme stability, *Journal of Molecular Catalysis B: Enzymatic* (2014), <http://dx.doi.org/10.1016/j.molcatb.2014.08.007>

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.

1 **A novel method for pullulanase immobilized onto magnetic chitosan/Fe₃O₄**
2 **composite nanoparticles by in situ preparation and evaluation of the enzyme**
3 **stability**

4
5 Jie Long ^{a,b}, Aiquan Jiao ^{a*}, Benxi Wei ^{a,b}, Zhengzong Wu ^{a,b}, Yujing Zhang ^{a,b}, Xueming Xu ^b,
6 Zhengyu Jin ^{a,b*}

7
8 ^aThe State Key Laboratory of Food Science and Technology, School of Food Science and
9 Technology, Jiangnan University, 1800 Lihu Road, Wuxi 214122, China

10 ^bSynergetic Innovation Center of Food Safety and Nutrition, Jiangnan University, Wuxi 214122,
11 China

12 *Corresponding authors

13 Zhengyu Jin

14 Tel/Fax: +86-510-85913299

15 E-mail address: jinlab2008@yahoo.com

16 Aiquan Jiao

17 Tel/Fax: +86-510-85320225

18 E-mail address: jiaoaq@jiangnan.edu.cn

19

Download English Version:

<https://daneshyari.com/en/article/6531157>

Download Persian Version:

<https://daneshyari.com/article/6531157>

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