

Accepted Manuscript

Title: Synthesis and characterization of magnetic molecularly imprinted polymers for enrichment of sanguinarine from the extraction wastewater of *M. cordata*

Authors: Ming Zhong, Yan-Hong Wang, Lu Wang, Rui-Qing Long, Chun-Lin Chen

PII: S1226-086X(18)30248-X
DOI: <https://doi.org/10.1016/j.jiec.2018.05.019>
Reference: JIEC 4003

To appear in:

Received date: 26-12-2017
Revised date: 9-5-2018
Accepted date: 11-5-2018

Please cite this article as: Ming Zhong, Yan-Hong Wang, Lu Wang, Rui-Qing Long, Chun-Lin Chen, Synthesis and characterization of magnetic molecularly imprinted polymers for enrichment of sanguinarine from the extraction wastewater of *M.cordata*, Journal of Industrial and Engineering Chemistry <https://doi.org/10.1016/j.jiec.2018.05.019>

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.



Synthesis and characterization of magnetic molecularly imprinted polymers for enrichment of sanguinarine from the extraction wastewater of *M. cordata*

Ming Zhong^{a,*}, Yan-Hong Wang^a, Lu Wang^a, Rui-Qing Long^a, Chun-Lin Chen^{b,*}

^a*School of Chemistry and Chemical Engineering, Hunan Institute of Science and Technology, Yueyang, Hunan 414006, China*

**E-mail: zhongming2613@163.com*

^b*Ningbo Institute of Materials Technology & Engineering, Chinese Academy of Sciences, 1219 Zhongguan West Road, Ningbo 315201, China*

**E-mail: chenchunlin@nimte.ac.cn*

Highlights

- A monodisperse MIPs for sanguinarine by molecular imprinted technology
- MMIPs were well characterized and their adsorption capacities were well investigated
- MMIPs were used to enrich the sanguinarine from extraction wastewater of *Macleaya cordata* (Willd) R. Br.
- The proposed method was showing the properties of efficient and selective enrichment

Download English Version:

<https://daneshyari.com/en/article/10150519>

Download Persian Version:

<https://daneshyari.com/article/10150519>

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