

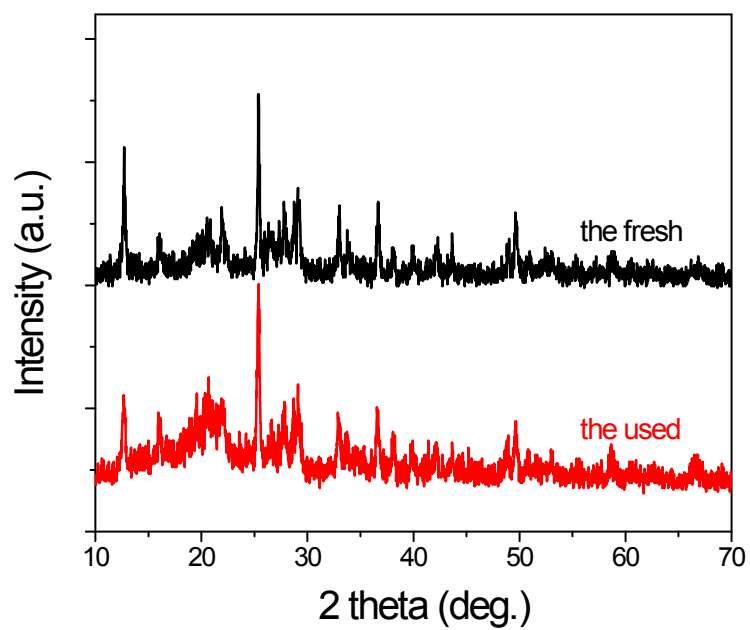
## Supporting Information

# **Conversion of cellulose to lactic acid catalyzed by erbium-exchanged montmorillonite K10**

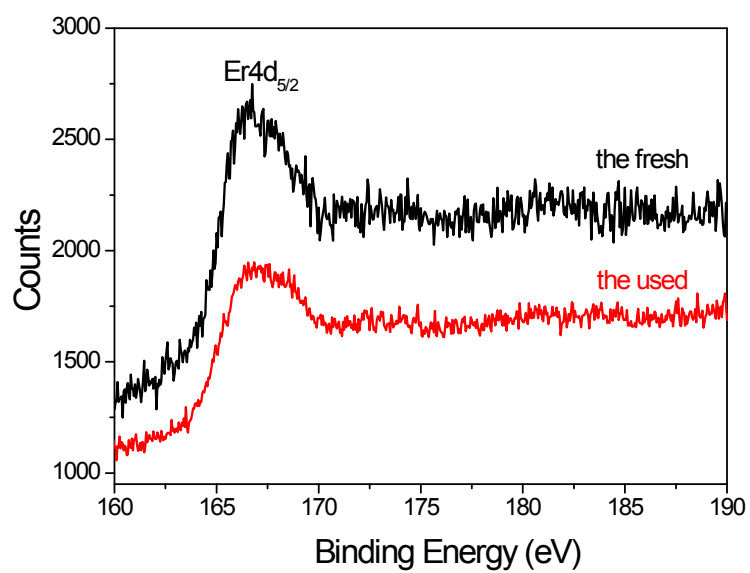
Fen-Fen Wang, Jie Liu, Hao Li, Chun-Ling Liu, Rong-Zhen Yang, Wen-Sheng Dong\*

*Key Laboratory of Applied Surface and Colloid Chemistry (SNNU), MOE, School of Chemistry and  
Chemical Engineering, Shaanxi Normal University, Xi'an, 710062, China*

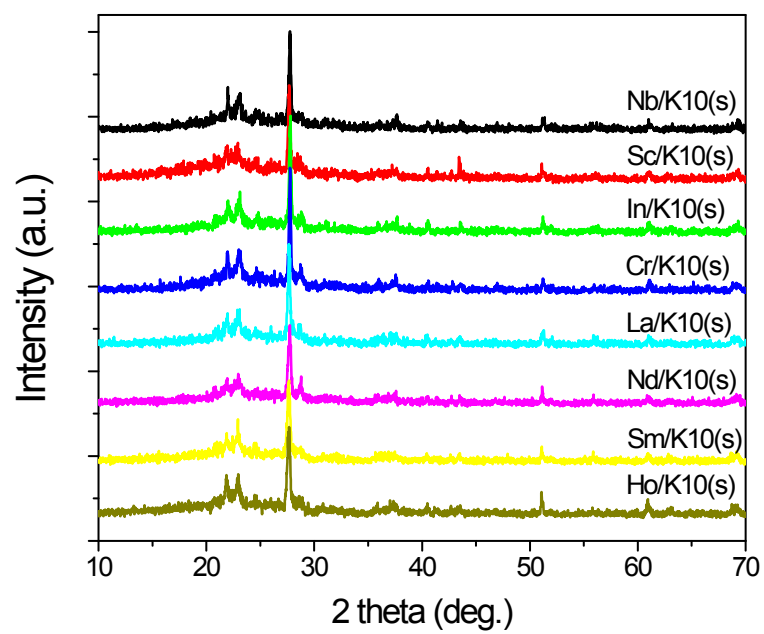
\* To whom correspondence should be addressed. E-mail: [wsdong@snnu.edu.cn](mailto:wsdong@snnu.edu.cn)



**Figure s1.** X-ray diffraction patterns of Er/K10(S)-3 before and after use.



**Figure s2.** Er 4d XPS profiles of Er/K10(S)-3 before and after use.



**Figure s3.** X-ray diffraction patterns of various catalysts.