Electronic Supplementary Material (ESI) for New Journal of Chemistry.

Facile preparation of rubidium ion-imprinted polymer by bulk polymerization for highly efficiency separation of rubidium ions from aqueous solution

Zhiyong Zhou[a], Yulei Hu[a], Zhuo Wang[a], Hewei Zhang[a], Bing Zhang*[b] and Zhongqi Ren*[a]

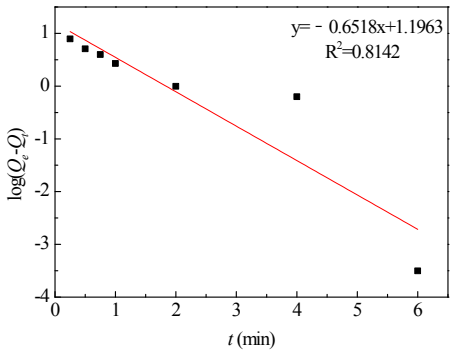
a. College of Chemical Engineering, Beijing University of Chemical Technology, No. 15, North Third Ring Road East, Beijing 100029, People's Republic of China

b. College of Mechanical and Electrical Engineering, Beijing University of Chemical Technology, No. 15, North Third Ring Road East, Beijing 100029, People's Republic of China.

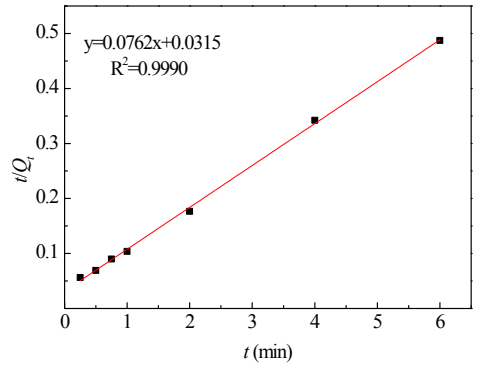
† Corresponding author: renzq@mail.buct.edu.cn (Zhongqi Ren); Tel: (+86)-10-64434818; zhangbing@mail.buct.edu.cn (Bing Zhang)

Fig. S1 Fitting curves of the pseudo-first-order (a) and pseudo-second-order (b) kinetic model.

Fig. S2 Fitting curves of Langmuir (a), Freundlich (b) and Temkin (c) adsorption isotherm models.

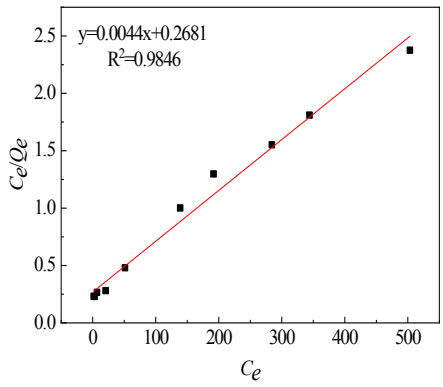


(a)

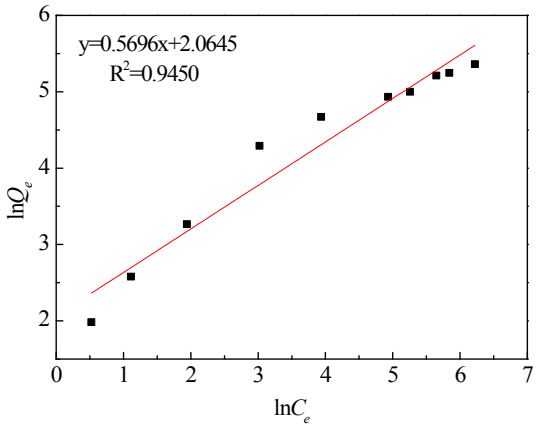


(b)

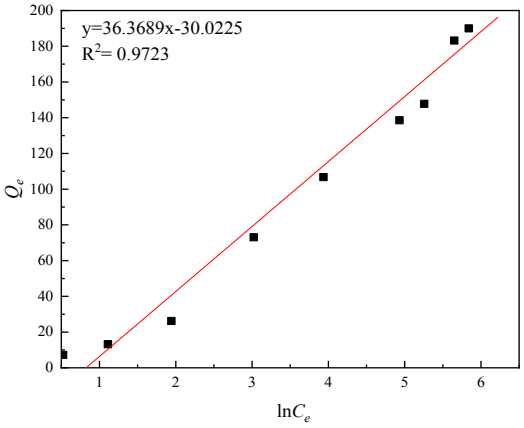
Fig. S1 Fitting curves of the pseudo-first-order (a) and pseudo-second-order (b) kinetic model.



(a)



(b)



(c)

Fig. S2 Fitting curves of Langmuir (a), Freundlich (b) and Temkin (c) adsorption isotherm models.