

Accepted Manuscript

Title: Rapid and efficient removal of heavy metal and cationic dye by carboxylate-rich magnetic chitosan flocculants: Role of ionic groups

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PII: S0144-8617(17)31253-5
DOI: <https://doi.org/10.1016/j.carbpol.2017.10.089>
Reference: CARP 12938

To appear in:

Received date: 11-8-2017
Revised date: 20-10-2017
Accepted date: 26-10-2017

Please cite this article as: Liu, Bingzhi., Chen, Xin., Zheng, Huaili., Wang, Yili., Sun, Yongjun., Zhao, Chuanliang., & Zhang, Shixin., Rapid and efficient removal of heavy metal and cationic dye by carboxylate-rich magnetic chitosan flocculants: Role of ionic groups. *Carbohydrate Polymers* <https://doi.org/10.1016/j.carbpol.2017.10.089>

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**Rapid and efficient removal of heavy metal and cationic dye by carboxylate-rich
magnetic chitosan flocculants: Role of ionic groups**

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