

RETRACTION

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Retraction: A layered double hydroxide assembled on a g-C₃N₄-modified hollow carbon sphere as an adsorbent for the removal of uranium(vi)

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Retraction of 'A layered double hydroxide assembled on a g-C₃N₄-modified hollow carbon sphere as an adsorbent for the removal of uranium(vi)' by Xiaoyu Yuan *et al.*, *Inorg. Chem. Front.*, 2019, DOI: 10.1039/c9qj00590k.

We, the named authors, hereby wholly retract this *Inorganic Chemistry Frontiers* article to maintain the accuracy of the scientific record and avoid misleading readers.

After careful re-examination of the article, we found that the current analysis of the U(vi) adsorption mechanism does not explain clearly the interactions between C₃N₄ and LDH and their role in U(vi) adsorption. Synchrotron radiation has been considered as an efficient method to analyze the adsorption mechanism, however, it is difficult for us to perform synchrotron radiation tests according to our current conditions.

In addition, Fig. 1b and f were previously published in our *Scientific Reports* paper,¹ as Fig. S1b and 1d respectively, but the original source was not referenced. Fig. 1b was previously published as the TEM image of SiO₂@RF; it was reused by mistake in this article for a different composite, SiO₂@M-RFP. Fig. 1d was used for the same structure as in Ref. 1; a designation that is different from before was given to the composite in this article.

Given these issues, we have concluded that the published data do not accurately support the conclusions of the article.

Signed: Xiaoyu Yuan, Xiaoyan Jing, Jing Yu, Hongsen Zhang, Rongrong Chen, Shouzheng Su, Qi Liu, Milin Zhang and Jun Wang, 10th August 2019.

Retraction endorsed by Wenjun Liu, Executive Editor, *Inorganic Chemistry Frontiers*.

References

- 1 X. Yuan, C. Yin, Y. Zhang, Z. Chen, Y. Xu and J. Wang, *Sci. Rep.*, 2019, **9**, 5807.

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