

RETRACTION

View Article Online
View Journal | View IssueCite this: *J. Mater. Chem. A*, 2023, 11, 461**Retraction: Magnetic polydopamine decorated with Mg–Al LDH nanoflakes as a novel bio-based adsorbent for simultaneous removal of potentially toxic metals and anionic dyes**Jie Li,^{acd} Qiaohui Fan,^b Yijin Wu,^c Xiangxue Wang,^{acd} Changlun Chen,^{de} Zhiyong Tang^{*c} and Xiangke Wang^{*aef}

DOI: 10.1039/d2ta90293a

rsc.li/materials-a

Retraction of 'Magnetic polydopamine decorated with Mg–Al LDH nanoflakes as a novel bio-based adsorbent for simultaneous removal of potentially toxic metals and anionic dyes' by Jie Li *et al.*, *J. Mater. Chem. A*, 2016, 4, 1737–1746, <https://doi.org/10.1039/C5TA09132B>.

The Royal Society of Chemistry, with the agreement of the authors, hereby wholly retracts this *Journal of Materials Chemistry A* article due to concerns with the reliability of the data in the published article.

The XPS spectra of MP-Cu(II) and MPL₃-Cu(II) in Fig. 5B are identical except for scaling along the vertical axis, and in the regions 940–945 and 962–964 eV.

The image showing magnetic separation of the particles of the MPL₃ assembly in the inset of Fig. 7A, has been previously published in ref. 1, but represents different materials.

An independent expert was consulted who was not satisfied with the explanation provided by the authors.

Given the significance of the concerns about the validity of the data, the findings presented in this paper are no longer reliable.

Prof. Zhiyong Tang only participated in the discussion of the results, but did not participate in the collection and analysis of the experimental data as well as manuscript writing and revision.

Signed: Jie Li, Qiaohui Fan, Yijin Wu, Xiangxue Wang, Changlun Chen, Zhiyong Tang* and Xiangke Wang*

Date: 24th November 2022

Retraction endorsed by Michaela Mühlberg, Executive Editor, *Journal of Materials Chemistry A*

References

- 1 J. Li, Z. Shao, C. Chen and X. Wang, *RSC Adv.*, 2014, 4, 38192–38198.

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