


 Cite this: *RSC Adv.*, 2020, 10, 15924

 DOI: 10.1039/d0ra90040k
rsc.li/rsc-advances

Retraction: Tuning the chemistry of graphene oxides by a sonochemical approach: application of adsorption properties

 Yubing Sun,^{*abc} Shubin Yang,^b Congcong Ding,^b Zhongxiu Jin^b and Wencai Cheng^{de}

 Retraction of 'Tuning the chemistry of graphene oxides by a sonochemical approach: application of adsorption properties' by Yubing Sun *et al.*, *RSC Adv.*, 2015, 5, 24886–24892, DOI: 10.1039/C5RA02021B.

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

The TEM image in Fig. 1B duplicates data published in another publication by Pan *et al.*, but presented as different materials.¹

The AFM images in Fig. 1C and D illustrate duplication of data, given that these experiments were reported under different reaction conditions.

The EXAFS spectra in Fig. 4 duplicate data in another publication, but reported as different materials.²

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

Signed: Yubing Sun, Shubin Yang, Congcong Ding and Wencai Cheng

Date: 27th March 2020

Zhongxiu Jin was contacted but did not respond.

Retraction endorsed by Laura Fisher, Executive Editor, *RSC Advances*

References

- 1 M. Pan, G. Wu, L. Chang, X. Lin and X. Huang, *Nanomaterials*, 2018, **8**, 806.
- 2 Y. Sun, S. Yang, Y. Chen, C. Ding, W. Cheng and X. Wang, *Environ. Sci. Technol.*, 2015, **49**, 4255–4262.

^aInstitute of Plasma Physics, Chinese Academy of Science, P.O. Box 1126, Hefei, 230031, P. R. China. E-mail: sunyb@ipp.ac.cn; Fax: +86 551 65591310; Tel: +86 551 65592788

^bSchool of Environment and Chemical Engineering, North China Electric Power University, Beijing 102206, P. R. China

^cSchool for Radiological and Interdisciplinary Sciences, Soochow University, 215123, Suzhou, P. R. China

^dCollaborative Innovation Center of Radiation Medicine of Jiangsu Higher Education Institutions, P. R. China

^eFaculty of Engineering, King Abdulaziz University, Jeddah 21589, Saudi Arabia

