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Retraction Note: Investigating the Heteronjunction between ZnO/Fe_2O_3 and g-C_3N_4 for an Enhanced Photocatalytic H_2 production under visible-light irradiation

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Retraction of: *Scientific Reports* https://doi.org/10.1038/s41598-019-48730-z, published online 27 August 2019

The Editors have retracted this Article.

After publication the Editors were made aware of concerns about the data presented. Specifically:

- There are four similar XRD patterns in Figure 2a (7-ZnO/Fe ~ 2 ~ O ~ 3 ~ /g-C ~ 3 ~ N ~ 4 ~ , 5-ZnO/Fe ~ 2 ~ O ~ 3 ~ /g-C ~ 3 ~ N ~ 4 ~ , 3-ZnO/Fe ~ 2 ~ O ~ 3 ~ /g-C ~ 3 ~ N ~ 4 ~ and 1-ZnO/Fe ~ 2 ~ O ~ 3 ~ /g-C ~ 3 ~ N ~ 4 ~);
- The XRD patterns appear to be similar between Figure 2a and Supplementary Figure S8a.

In addition, there are similarities between figures in this Article and in another publication[1] by the same author group. Specifically:

- Figure 2b appears to be similar to Figure 1b in[1] where different compounds are used;
- Figure 6c appears to be similar to Figure 5c in[1] where different compounds are used.

The Editors therefore no longer have confidence in the reliability of the data presented.

Na Mao agrees with this retraction.

Reference

1. Mao, N. *et al.* Enhanced photocatalytic activity of g-C_3N_4/MnO composites for hydrogen evolution under visible light. *Dalton Trans.* **48**, 14864–14872. https://doi.org/10.1039/C9DT02748C (2019).

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