RSC Advances



RETRACTION

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Cite this: RSC Adv., 2024, 14, 1673

Retraction: Novel biocompatible core/shell $Fe_3O_4@NFC@Co(II)$ as a new catalyst in a multicomponent reaction: an efficient and sustainable methodology and novel reusable material for one-pot synthesis of 4H-pyran and pyranopyrazole in aqueous media

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Retraction of 'Novel biocompatible core/shell $Fe_3O_4@NFC@Co(II)$ as a new catalyst in a multicomponent reaction: an efficient and sustainable methodology and novel reusable material for one-pot synthesis of 4H-pyran and pyranopyrazole in aqueous media' by Pouya Ghamari Kargar et al., RSC Adv., 2020, 10, 37086–37097, https://doi.org/10.1039/D0RA04698A.

DOI: 10.1039/d3ra90127k

rsc.li/rsc-advances

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

The XRD patterns in Fig. 2a contain repeating sections.

The authors provided the raw XRD data for Fe_3O_4 in Fig. 2a of this article and it was found to be identical in a number of different regions to the raw data provided by the authors for CuO in Fig. 4b of ref. 1 and Fig. 3 of ref. 2.

The authors have stated that they outsourced the XRD data collection to an external company.

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

The authors were informed about the retraction of the article. Pouya Ghamari Kargar and Ghodsieh Bagherzade have not agreed with the decision.

Signed: Hossein Eshghi Date: 13th December 2023

Retraction endorsed by Laura Fisher, Executive Editor, RSC Advances

References

- 1 P. Ghamari Kargar, et al., RSC Adv., 2020, 10, 32927–32937, DOI: 10.1039/D0RA06251K.
- 2 P. Ghamari Kargar, et al., RSC Adv., 2021, 11, 19203-19220, DOI: 10.1039/D1RA01913A.

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