

RETRACTION

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Retraction: A hierarchical Ca/TiO₂/NH₂-MIL-125 nanocomposite photocatalyst for solar visible light induced photodegradation of organic dye pollutants in water

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Retraction of 'A hierarchical Ca/TiO₂/NH₂-MIL-125 nanocomposite photocatalyst for solar visible light induced photodegradation of organic dye pollutants in water' by Najmeh Ahmadpour *et al.*, *RSC Adv.*, 2020, 10, 29808–29820, <https://doi.org/10.1039/D0RA05192F>.

The Royal Society of Chemistry hereby wholly retracts this *RSC Advances* article after being contacted by the University of Dundee regarding an investigation into the reliability of the data presented in this *RSC Advances* article.

Concerns had been raised with the integrity of XRD data in Fig. 1a and 7c, the FTIR spectra in Fig. 1b, and the TOC analysis in Fig. 8.

The University of Dundee obtained the raw data for Fig. 1a, b, and 7c, but they were not able to obtain the raw data for Fig. 8.

Their investigation concluded that in Fig. 1a, the same data was used to produce multiple XRD traces. They concluded that in Fig. 1b, the Ca data appears to be identical over a substantial range of wavelengths, that the same data was reused in all plots for wavelength beyond $\approx 2000\text{ cm}^{-1}$, and that the noise appears to be identical. They found that in Fig. 7c, independent measurements were performed only for $\approx 25^\circ < 2\theta < \approx 26^\circ$, $\approx 31^\circ < 2\theta < \approx 33^\circ$, and $\approx 34^\circ < 2\theta < \approx 35^\circ$, and potentially for $\approx 57^\circ < 2\theta < \approx 58^\circ$. The remaining spectra seem to have been copied in several areas with some rescaling.

We requested the raw data from the authors, but they have not provided it, and claim this data was provided by a third party.

Given the significance of these concerns, the Editor has lost confidence that the findings presented in this paper are reliable.

The authors were informed about the retraction of the article. Mohammad Hossein Sayadi has not agreed with the decision, the other authors have not responded.

Signed: Laura Fisher, Executive Editor, *RSC Advances*

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