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RETRACTION

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Retraction: Effect of Ca^{2+} doping on the upconversion luminescence properties of $NaYF_4$:Yb^{3+}/Tm^{3+} nanoparticles and study of its temperature measurement performance

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Retraction of 'Effect of Ca^{2+} doping on the upconversion luminescence properties of $NaYF_4$:Yb^{3+}/Tm^{3+} nanoparticles and study of its temperature measurement performance' by Mingzhou Meng *et al.*, *CrystEngComm*, 2022, **24**, 4887–4898, https://doi.org/10.1039/D2CE00562J

The Royal Society of Chemistry, with the agreement of the authors, hereby wholly retracts this *CrystEngComm* article due to concerns with the reliability of the data.

Fig. 3a-c are identical to Fig. 3a-c of ref. 1. The authors originally requested a correction, however, as they have not been able to provide the raw data, they have requested to retract the article.

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

Signed: Mingzhou Meng, Rui Zhang, Zhenlong Cheng, Xinmeng Fa, Jianghua Yang, Anees A. Ansari, Jun Ou, Christian Wurth and Ute Resch-Genger.

Date: 28th July 2023.

Retraction endorsed by Sally Howells-Wyllie, Executive Editor, *CrystEngComm*.

References

1 M. Meng, *et al.*, 'Preparation of core–shell structured $NaYF_4$:Yb^{3+}/Tm^{3+}@$NaYF_4$:Yb^{3+}/Er^{3+} nanoparticles with high sensitivity, low resolution and good reliability and application of their fluorescence temperature properties', *CrystEngComm*, 2022, **24**, 1752–1763, DOI: 10.1039/D1CE01729B.

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