


# Author Correction: Diffusion-mediated synthesis of high-quality organic–inorganic hybrid perovskite nanocrystals

Correction to: *Nature Synthesis*

<https://doi.org/10.1038/s44160-024-00678-3>,  
published online 14 November 2024.

<https://doi.org/10.1038/s44160-025-00739-1>

Published online: 13 January 2025

 Check for updates

Xiang Sun<sup>1</sup>, Lin Yuan, Yang Liu, Guozheng Shi, Yumin Wang, Chunmeng Liu, Xuliang Zhang<sup>2</sup>, Yaxin Zhao, Chenyu Zhao, Mengmeng Ma, Boyuan Shen, Yaxing Wang<sup>3</sup>, Qing Shen<sup>4</sup>, Zeke Liu<sup>5</sup> & Wanli Ma<sup>6</sup>

In the version of this article initially published, there were several labeling and typographical errors in Fig. 6 and its caption. The errors are in presentation only, and the images and data remain unaffected. In the Fig. 6a left-hand y-axis label, “Delay time (ps)” originally read “Decay time (ps)”, while the Fig 6a,b right-hand y-axis labels “ $\Delta A$  (OD)” originally read “ $-\Delta T/T$ ”. In Fig. 6c,d x-axis labels “Delay time (ns)” and “Delay time (ns)” originally read “Decay time (ps)” and “Decay time (ns)”, while the Fig 6d y-axis label “Normalized  $-\Delta A$ ” originally read “Intensity (a.u.)”. The Fig. 6e y-axis label “Time (ns)” originally read “Decay time (ns)”, while the Fig. 6h y-axis label “Normalized PL” originally read “Intensity (a.u.)”. The Fig. 6c keys reading “TA control” and “TA diffusion” originally read “TRPL control” and “TRPL diffusion”, while the Fig. 6c x-axis units in ns, now ranging from 0–1.0, appeared originally as 0–1,000. Abbreviations:  $\Delta A$ , differential absorbance; OD, optical density; PL, photoluminescence.

The Fig. 6 caption has been updated to now read “**a,b**, Two-dimensional pseudocolour TA spectra of control (**a**) and diffusion (**b**) PNC films. **c**, The peak position differences over delay time obtained from 2D TA spectra. **d**, TA delay spectra of control and diffusion PNC films. **e,f**, Two-dimensional pseudocolour TRPL spectra of control (**e**) and diffusion (**f**) PNC films. **g**, The peak position differences over time extracted from the 2D TRPL spectra. **h**, TRPL decay of control and diffusion PNC films” from the original “**a,b**, Two-dimensional TA PL decay of control (**a**) and diffusion (**b**) PNC films. **c**, The peak position differences over decay time obtained from 2D transient PL decay. **d**, TRPL decay of control and diffusion PNC films. **e,f**, Two-dimensional pseudocolour TA PL spectra of control (**e**) and diffusion (**f**) PNC films. **g**, The peak position differences over decay time extracted from the 2D pseudocolour TA spectra. **h**, TA PL decay of control and diffusion PNC films.” The text edits have been made in the HTML and PDF versions of the article.

© The Author(s), under exclusive licence to Springer Nature Limited 2025