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## Retraction: Time-controllable roll-up onset of polythiophene sheets into nanotubes that exhibit circularly polarized luminescence

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Retraction of 'Time-controllable roll-up onset of polythiophene sheets into nanotubes that exhibit circularly polarized luminescence' by N. Kameta and T. Shimizu, *Nanoscale*, 2020, **12**, 2999–3006, <https://doi.org/10.1039/C9NR08032E>.

We the named authors hereby wholly retract this *Nanoscale* article due to the fact that the paper has a wrong electron microscopy image in Fig. 1b on the part of the first author, who is affiliated with the National Institute of Advanced Industrial Science and Technology (AIST).

Fig. 1b displays the sheets of the intermediate of the nanotube but had an incorrect scale bar, which was approximately 13 times longer than the actual. The sentence on page 3000, left column, line 32, "In contrast, PTB-GlcSte self-assembled into square sheets a few micrometers on each side (Fig. 1b)." would correctly be "In contrast, PTB-GlcSte self-assembled into square sheets several tens of micrometers on each side (Fig. 1b)." Although such an error regarding the sheet sizes does not affect this paper's assertion that the sheets roll up in a timely manner to form the nanotubes, it will undermine the reliability of this paper.

We respectfully retract this paper, because the event was determined to amount to scientific misconduct and the retraction of this paper was recommended by AIST. AIST verified that the first author was responsible for the misconduct and the co-author was not involved in it.

Signed: N. Kameta and T. Shimizu, 4th October 2024.

Retraction endorsed by Heather Montgomery, Managing Editor, *Nanoscale*.

