

RETRACTION

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Retraction: Integration of photovoltaic organic materials into mm-wave technologies: towards self-powered phase shifters

Suraj Manikandan and Jens Wenzel Andreasen*

Retraction of 'Integration of photovoltaic organic materials into mm-wave technologies: towards self-powered phase shifters' by Suraj Manikandan et al., *J. Mater. Chem. C*, 2024, <https://doi.org/10.1039/D4TC02828G>.

The Royal Society of Chemistry, with the agreement of the corresponding author, hereby wholly retracts this *Journal of Materials Chemistry C* article due to concerns with the reliability of the data.

When preparing to conduct reproducibility tests on the samples that were reported as used in the experiment, the corresponding author realized that the physical dimensions and layout of the supposed co-planar waveguides did not correspond to the description in the paper, nor the microscope image shown in the supplementary information. Further investigation by the corresponding author revealed that the microscope image used in the publication is taken from the internet and is unrelated to any of the work done for this publication.

Given the significance of these concerns, the corresponding author and the Editor have lost confidence that the findings presented in this paper are reliable.

The first author was informed about the retraction of the article. They have not responded.

Signed: Jens Wenzel Andreasen

Date: 7th January 2025

Retraction endorsed by Michaela Mühlberg, Executive Editor, *Journal of Materials Chemistry C*

