

RETRACTION

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Retraction: Novel ethynyl-pyrene substituted phenothiazine based metal free organic dyes in DSSC with 12% conversion efficiency

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Retraction of 'Novel ethynyl-pyrene substituted phenothiazine based metal free organic dyes in DSSC with 12% conversion efficiency' by Bhanumathi Nagarajan *et al.*, *J. Mater. Chem. A*, 2017, 5, 10289–10300, <https://doi.org/10.1039/C7TA01744H>.

The Royal Society of Chemistry hereby wholly retracts this *Journal of Materials Chemistry A* article due to concerns with the reproducibility and reliability of the data.

There is strong similarity between the absorption data for dyes 1–4 in Fig. 2 and the IPCE data for dyes 1–4 in Fig. 6.

An independent expert was consulted who concluded that the authors had overestimated the J_{sc} value, and therefore the reported power conversion efficiency is also unlikely to be correct.

The authors are not able to reproduce their results or provide their original data.

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

The authors were informed about the retraction of the article. Dhamodharan Raghavachari, Kothandaraman Ramanujam, Suman Kushwaha, Sudip Mandal, Bhanumathi Nagarajan and Ramachandran Elumalai have not agreed with the decision.

Signed: Michaela Muehlberg, Executive Editor, *Journal of Materials Chemistry A*

Date: 31st January 2024

