


 Cite this: *RSC Adv.*, 2023, **13**, 32927

Expression of Concern: Solid-state dye-sensitized solar cells based on $Zn_{1-x}Sn_xO$ nanocomposite photoanodes

 Ayat Nasr El-Shazly,^{*a} Ahmed Esmail Shalan,^{*a} Mohamed Mohamed Rashad,^a Elsayed Ali Abdel-Aal,^a Ibrahim Ahmed Ibrahim^a and Mohamed F. El-Shahat^b

DOI: 10.1039/d3ra90109b

rsc.li/rsc-advances

 Expression of Concern for 'Solid-state dye-sensitized solar cells based on $Zn_{1-x}Sn_xO$ nanocomposite photoanodes' by Ayat Nasr El-Shazly *et al.*, *RSC Adv.*, 2018, **8**, 24059–24067, DOI: <https://doi.org/10.1039/c8ra02852d>.

The Royal Society of Chemistry is publishing this expression of concern in order to alert readers that concerns have been raised regarding the reliability of the IPCE data in Fig. 6b, the Nyquist data in Fig. 6c, the EDX data in Fig. S1c and the XPS data in Fig. S2. An investigation is underway, and an Expression of Concern will continue to be associated with the article until a final outcome is reached.

Laura Fisher
 02/11/2023
 Executive Editor, *RSC Advances*



^aCentral Metallurgical Research and Development Institute, P.O. Box 87, Helwan, 11422, Cairo, Egypt. E-mail: a.shalan133@gmail.com; a.shalan@cmrdi.sci.eg; ayatelshazly@gmail.com; Fax: +202-25010639; Tel: +202-25010640-43

^bChemistry Department, Faculty of Science, Ain Shams University, 11566, Cairo, Egypt