



Cite this: *Nanoscale*, 2023, **15**, 18939

Expression of concern: Versatile plasmonic-effects at the interface of inverted perovskite solar cells

Ahmed Esmail Shalan,^a Tomoya Oshikiri,^a Hiroki Sawayanagi,^a Keisuke Nakamura,^a Kosei Ueno,^a Quan Sun,^a Hui-Ping Wu,^b Eric Wei-Guang Diau^{*b} and Hiroaki Misawa^{*a,b}

DOI: 10.1039/d3nr90212a

rsc.li/nanoscale

Expression of concern for 'Versatile plasmonic-effects at the interface of inverted perovskite solar cells' by Ahmed Esmail Shalan, *et al.*, *Nanoscale*, 2017, **9**, 1229–1236, <https://doi.org/10.1039/C6NR06741G>.

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 XRD data in Fig. S2 and S7a, the extinction curves in Fig. S3 and the XPS data in Fig. S7b. An investigation is underway, and an Expression of Concern will continue to be associated with the article until a final outcome is reached.

Heather Montgomery
 30th October 2023
 Managing Editor, *Nanoscale*

^aResearch Institute for Electronic Science, Hokkaido University, N21, W10, Kita-ku, 001-0021 Sapporo, Japan

^bDepartment of Applied Chemistry & Institute of Molecular Science, National Chiao Tung University, 1001 Ta Hsueh R., Hsinchu 30010, Taiwan, Republic of China.
 E-mail: misawa@es.hokudai.ac.jp, diau@mail.nctu.edu.tw

