

## EXPRESSION OF CONCERN

[View Article Online](#)  
[View Journal](#) | [View Issue](#)



Cite this: *J. Mater. Chem. A*, 2025, **13**, 808

### Expression of concern: Reduced graphene oxide nanosheets decorated with Au, Pd and Au–Pd bimetallic nanoparticles as highly efficient catalysts for electrochemical hydrogen generation

Gitashree Darabdhara,<sup>ab</sup> Mohammed A. Amin,<sup>\*cd</sup> Gaber A. M. Mersal,<sup>ce</sup> Emad M. Ahmed,<sup>fg</sup> Manash R. Das,<sup>\*ab</sup> Mohamed B. Zakaria,<sup>h</sup> Victor Malgras,<sup>h</sup> Saad M. Alshehri,<sup>i</sup> Yusuke Yamauchi,<sup>hi</sup> Sabine Szunerits<sup>j</sup> and Rabah Boukherroub<sup>\*j</sup>

Expression of concern for 'Reduced graphene oxide nanosheets decorated with Au, Pd and Au–Pd bimetallic nanoparticles as highly efficient catalysts for electrochemical hydrogen generation' by Gitashree Darabdhara *et al.*, *J. Mater. Chem. A*, 2015, **3**, 20254–20266, <https://doi.org/10.1039/C5TA05730B>.

DOI: 10.1039/d4ta90214a  
[rsc.li/materials-a](http://rsc.li/materials-a)

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 data. The Royal Society of Chemistry has asked the corresponding authors' institutions to investigate this matter. An expression of concern will continue to be associated with the article until we receive conclusive evidence regarding the reliability of the reported data.

Michaela Mühlberg  
5th November 2024  
Executive Editor, *Journal of Materials Chemistry A*



<sup>a</sup>Materials Science Division, CSIR-North East Institute of Science and Technology, Jorhat 785006, Assam, India. E-mail: mnshrdas@yahoo.com

<sup>b</sup>Academy of Scientific and Innovative Research, Chennai 600113, India

<sup>c</sup>Materials and Corrosion Group, Department of Chemistry, Faculty of Science, Taif University, 888 Hawiyya, Saudi Arabia. E-mail: maaismail@yahoo.com; Tel: +966 (0) 560480239

<sup>d</sup>Department of Chemistry, Faculty of Science, Ain Shams University, 11566 Abbassia, Cairo, Egypt

<sup>e</sup>Department of Chemistry, Faculty of Science, South Valley University, Qena, Egypt

<sup>f</sup>Materials and Corrosion Group, Physics Department, Faculty of Science, Taif University, 888 Hawiyya, Saudi Arabia

<sup>g</sup>Solid State Physics Department, National Research Center, Dokki, Giza 12311, Egypt

<sup>h</sup>National Institute for Materials Science (NIMS), 1-1 Namiki, Tsukuba, Ibaraki 305-0044, Japan

<sup>i</sup>Department of Chemistry, College of Science, King Saud University, Riyadh 11451, Saudi Arabia

<sup>j</sup>Institute of Electronics, Microelectronics and Nanotechnology (IEMN), UMR-CNRS 8520, University Lille 1, Avenue Poincaré – BP 60069, 59652 Villeneuve d'Ascq Cedex, France. E-mail: rabah.boukherroub@iemn.univ-lille1.fr