Dalton Transactions

ROYAL SOCIETY OF CHEMISTRY

CORRECTION

View Article Online
View Journal | View Issue

Cite this: *Dalton Trans.*, 2025, **54**, 9097

Correction: Construction of ternary $TiO_2/CdS/IrO_2$ heterostructure photoanodes for efficient glycerol oxidation coupled with hydrogen evolution

Chenfeng Jiang,[a] Yibo Ding,[a] Jiayu Lin,[a] Yi Sun,[b] Wei Zhou,[a] Xiaoyan Zhang,*[a] Hongbin Zhao,[a] Weimin Cao[a] and Danhong Cheng[a]

DOI: 10.1039/d5dt90077h

rsc.li/dalton

Correction for 'Construction of ternary $TiO_2/CdS/IrO_2$ heterostructure photoanodes for efficient glycerol oxidation coupled with hydrogen evolution' by Chenfeng Jiang *et al.*, *Dalton Trans.*, 2025, **54**, 2460–2470, https://doi.org/10.1039/D4DT03048F.

In the abstract and on page 2467 (right column), the production rate of glycerol conversion to formic acid (FA) on the TiO_2/CdS surface was given as ~603.0 mmol m^{-2} h^{-1}. The correct value is 367.6 mmol m^{-2} h^{-1} within 1 h.

Additionally in the abstract, on page 2467 (right column) and in the Conclusion section, the production rate of FA after loading of IrO_2 nanoparticles was given as 863.4 mmol m^{-2} h^{-1}. The correct value is 551.4 mmol m^{-2} h^{-1} within 1 h.

On page 2466, it is stated that the stabilities of the TiO_2/CdS and $TiO_2/CdS/IrO_2$ photoanodes were investigated using the transient currents (I–t) with an applied bias of 0.3 V *vs.* RHE. The correct value is 1.23 V *vs.* RHE. Here it was also stated that Fig. S5 showed that the photocurrent density of the TiO_2/CdS photoanode decreased to 78.6% of its initial value after irradiation of 5500 s. This should read as follows: "As shown in Fig. S8, the photocurrent density of the $TiO_2/CdS/IrO_2$ photoanode decreased to 78.6% of its initial value after irradiation of 3600 s."

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

[a]*Department of Chemistry, College of Sciences, Shanghai University, Shanghai 200444, China. E-mail: xyzhang_dd@shu.edu.cn*
[b]*Aerospace Hydrogen Energy (Shanghai) Technology Co., Ltd, Shanghai, 200241, China*