

CORRECTION

View Article Online
View Journal | View Issue



Cite this: *Energy Environ. Sci.*, 2024, 17, 1291

Correction: Simultaneous generation of furfuryl alcohol, formate, and H₂ by co-electrolysis of furfural and HCHO over bifunctional CuAg bimetallic electrocatalysts at ultra-low voltage

Liang Zhao,^a Zheng Lv,^a Yue Shi,^a Shuanglong Zhou,^a Yan Liu,^a Jiani Han,^a Qi Zhang,^a Jianping Lai^{*a} and Lei Wang^{*ab}

DOI: 10.1039/d4ee90005g

rsc.li/ees

Correction for 'Simultaneous generation of furfuryl alcohol, formate, and H₂ by co-electrolysis of furfural and HCHO over bifunctional CuAg bimetallic electrocatalysts at ultra-low voltage' by Liang Zhao *et al.*, *Energy Environ. Sci.*, 2024, <https://doi.org/10.1039/d3ee03761d>.

Multiple incorrect uses of the term 'furfuryl' occurred in several locations throughout this manuscript where the term 'furfural' should have been used instead. These are listed as follows:

The manuscript title should read: 'Simultaneous generation of furfuryl alcohol, formate, and H₂ by co-electrolysis of furfural and HCHO over bifunctional CuAg bimetallic electrocatalysts at ultra-low voltage'. This has also been corrected in the title and abstract shown above.

The second sentence of the abstract should read as follows: 'One promising approach for the simultaneous production of these chemicals is coupling cathodic furfural electrochemical hydrogenation (FEH) with anodic formaldehyde oxidation reaction (FOR) in an electrolyzer using bifunctional electrocatalysts.'

The fourth sentence of the broader context statement should read as follows: 'The bifunctional catalysts (Cu_xAg_y/CF) were designed for cathodic electroreduction from furfural to furfuryl alcohol and anodic electrooxidation from formaldehyde to formate.'

The fifth sentence of the introduction should read as follows: 'In contrast, furfural electrochemical hydrogenation (FEH) is a particularly important and environmentally friendly approach to obtaining FA,^{11–13} showing the potential to realize mass production of FA in a more sustainable manner.^{14–17}

In the supplementary information, the title underneath 'Supporting Information' should read as follows: 'Simultaneous generation of furfuryl alcohol, formate, and H₂ by co-electrolysis of furfural and HCHO over bifunctional CuAg bimetallic electrocatalysts at ultra-low voltage'.

The fourth item listed under the 'Chemicals and Materials' section of the supplementary information should read as follows: 'Furfural (99.9%, Aladdin)'.

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

^a Key Laboratory of Eco-chemical Engineering, Ministry of Education, International Science and Technology Cooperation Base of Eco-chemical Engineering and Green Manufacturing, College of Chemistry and Molecular Engineering, Qingdao University of Science and Technology, Qingdao 266042, P. R. China. E-mail: jplai@qust.edu.cn

^b Shandong Engineering Research Centre for Marine Environment Corrosion and Safety Protection, College of Environment and Safety Engineering, Qingdao University of Science and Technology, Qingdao 266042, P. R. China. E-mail: inorchemwl@126.com

