

CORRECTION

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



Cite this: *J. Mater. Chem. A*, 2019, 7, 13412

Correction: Low-voltage alternating current powered polydopamine-protected copper phosphide nanowire for electroporation-disinfection in water

Zheng-Yang Huo,^{ab} Hai Liu,^a Wen-Long Wang,^a Yun-Hong Wang,^a Yin-Hu Wu,^a Xing Xie^{*b} and Hong-Ying Hu^{*ac}

DOI: 10.1039/c9ta90120e

www.rsc.org/MaterialsA

Correction for 'Low-voltage alternating current powered polydopamine-protected copper phosphide nanowire for electroporation-disinfection in water' by Zheng-Yang Huo *et al.*, *J. Mater. Chem. A*, 2019, 7, 7347–7354.

The authors regret an error in Fig. 5 of the published article (the first and second panels of Fig. 5i were misplaced; these should have been placed in the opposite order). A corrected version of Fig. 5 is provided below.

^aEnvironmental Simulation and Pollution Control State Key Joint Laboratory, State Environmental Protection Key Laboratory of Microorganism Application and Risk Control (SMARC), School of Environment, Tsinghua University, Beijing 100084, People's Republic of China. E-mail: hyhu@tsinghua.edu.cn; Tel: +86-10-6279-4005

^bSchool of Civil and Environmental Engineering, Georgia Institute of Technology, Atlanta, Georgia 30332, USA. E-mail: xing.xie@ce.gatech.edu; Tel: +1-404-894-9723

^cShenzhen Environmental Science and New Energy Technology Engineering Laboratory, Tsinghua-Berkeley Shenzhen Institute, Shenzhen 518055, People's Republic of China



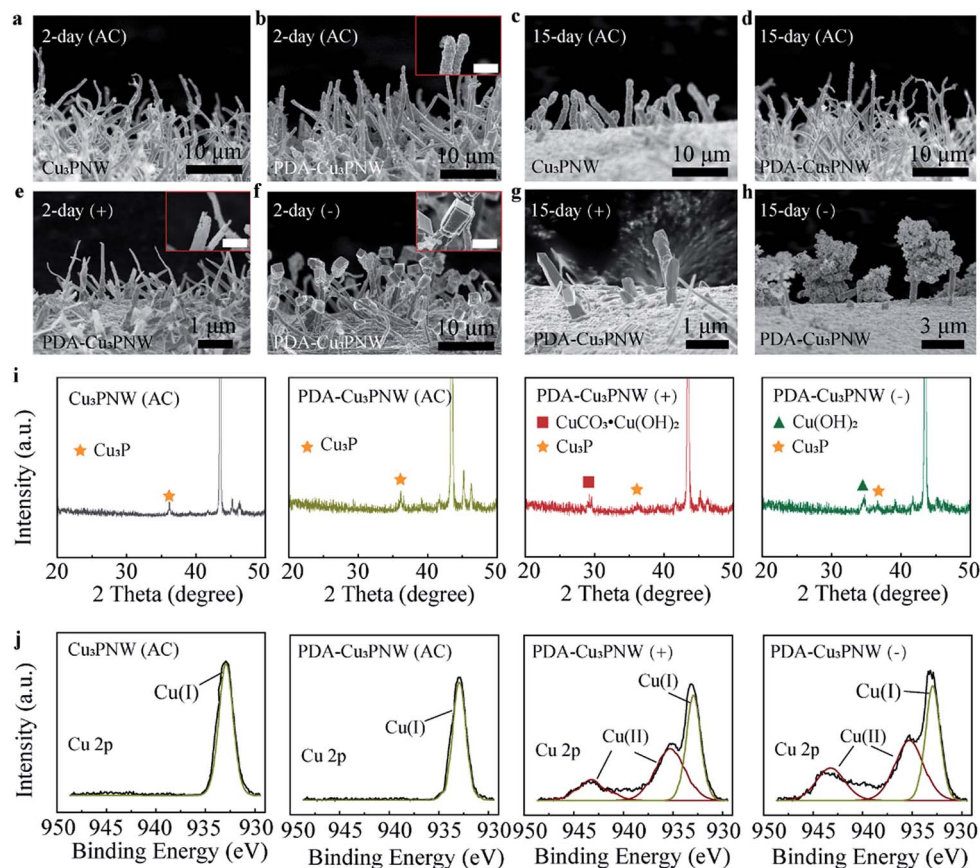


Fig. 5 Electrode degradation analysis during long-term disinfection. (a–d) SEM images of Cu₃PNW-Cu (a) and PDA-Cu₃PNW-Cu (b) electrodes with AC (peak voltage of 1 V, frequency of 10^6 Hz) and PDA-Cu₃PNW-Cu electrodes serving as positive (c) and negative (d) electrodes with direct current (DC; 1 V) after 2 days of EDC operation. Enlarged SEM images show the details of the tip structure of nanowires and the scale bar is 1 μm. (e–h) SEM images of Cu₃PNW-Cu (e) and PDA-Cu₃PNW-Cu (f) electrodes with AC (peak voltage of 1 V, frequency of 10^6 Hz) and PDA-Cu₃PNW-Cu electrodes serving as positive (g) and negative (h) electrodes with DC (1 V) after 15 days of EDC operation. (i and j) The X-ray diffraction (XRD) patterns (i) and the XPS spectra (j) of the Cu₃PNW-Cu and PDA-Cu₃PNW-Cu electrodes with AC (peak voltage of 1 V, frequency of 10^6 Hz) and PDA-Cu₃PNW-Cu electrodes serving as positive (+) and negative (–) electrodes with DC (1 V) after long-term EDC operation (15 days). During the long-term EDC operation, the flux was fixed at $4 \text{ m}^3 \text{ h}^{-1} \text{ m}^{-2}$.

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

