RSC Advances

CORRECTION

View Article Online
View Journal | View Issue

Cite this: *RSC Adv.*, 2014, **4**, 40043

Correction: Development and evaluation of carbon and binder loading in low-cost activated carbon cathodes for air-cathode microbial fuel cells

Bin Wei,[a] Justin C. Tokash,[a] Guang Chen,[ab] Michael A. Hickner[b] and Bruce E. Logan*[a]

DOI: 10.1039/c4ra90007c

www.rsc.org/advances

Correction for 'Development and evaluation of carbon and binder loading in low-cost activated carbon cathodes for air-cathode microbial fuel cells' by Bin Wei *et al.*, *RSC Adv.*, 2012, **2**, 12751–12758.

In the study by Wei *et al.* it was stated that cathodes made using an activated carbon catalyst "were made with the following loadings (projected area of 7 cm^2): 7, 11, 14, 28, 43, 100, 171 mg cm^{-2}". However, the 7 cm^2 area was the exposed (working) projected area of the cathode, and not the area of the cathode containing the activated carbon. Therefore, the loadings were incorrectly reported. The activated carbon was applied to a surface area of 11.3 cm^2, with only 7 cm^2 of the cathode exposed to solution or air. These loadings should all be reduced by a factor of 0.62, and thus the correct loadings are: 4, 7, 9, 17, 27, 62, 106 mg cm^{-2}. The first sentence of the abstract indicating that the range of applied carbon was "43–171 mg cm^{-2}" should have included the lowest activated carbon loading, and the correct range is now "4–106 mg cm^{-2}". The findings and interpretation of the results were not affected by these errors.

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

[a]*Department of Civil and Environmental Engineering, Penn State University, University Park, PA 16802, USA. E-mail: blogan@psu.edu; Fax: +1-814-863-7304*
[b]*Department of Materials Science and Engineering Penn State University, University Park, PA 16802, USA*