

CORRECTION

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# Correction: Three-dimensional homo-nanostructured $\text{MnO}_2$ /nanographene membranes on a macroporous electrically conductive network for high performance supercapacitors

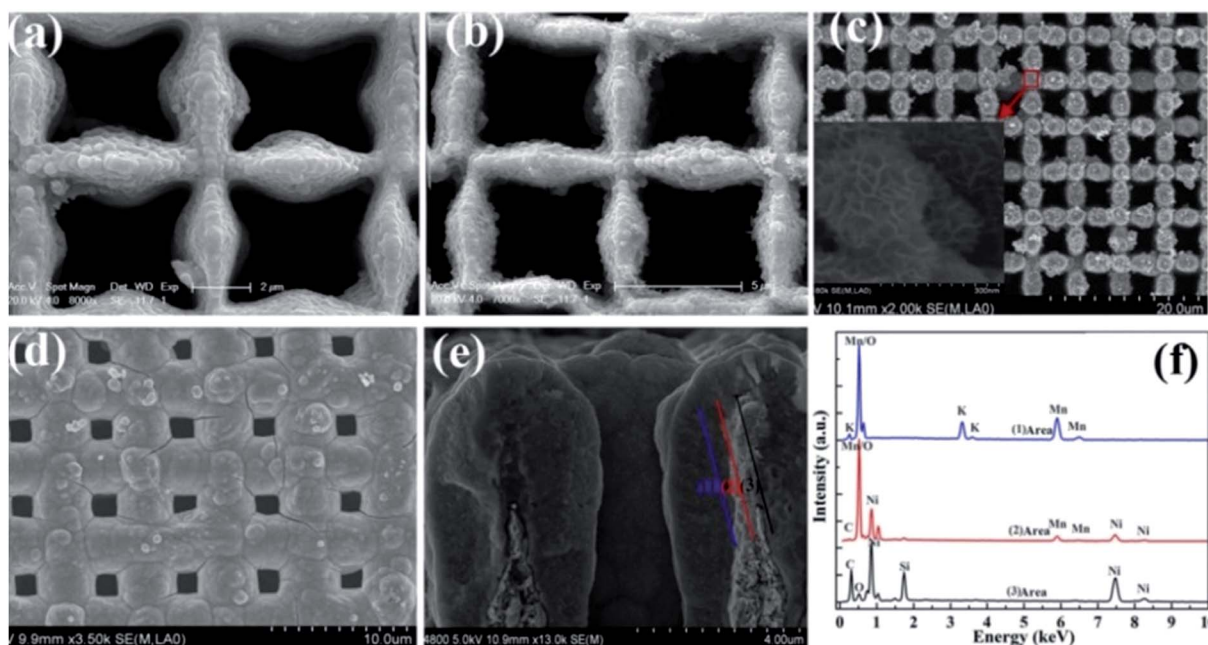
Dajun Wu,<sup>a</sup> Shaohui Xu,<sup>a</sup> Chi Zhang,<sup>a</sup> Yiping Zhu,<sup>a</sup> Dayuan Xiong,<sup>a</sup> Rong Huang,<sup>a</sup> Ruijuan Qi,<sup>a</sup> Lianwei Wang<sup>\*ab</sup> and Paul K. Chu<sup>b</sup>

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Correction for 'Three-dimensional homo-nanostructured  $\text{MnO}_2$ /nanographene membranes on a macroporous electrically conductive network for high performance supercapacitors' by Dajun Wu et al., *J. Mater. Chem. A*, 2016, 4, 11317–11329.

The authors regret their oversight in omitting to attribute sections of Fig. 2–4 in the above paper to their previously reported work in ref. 1. The corrected captions are shown below.

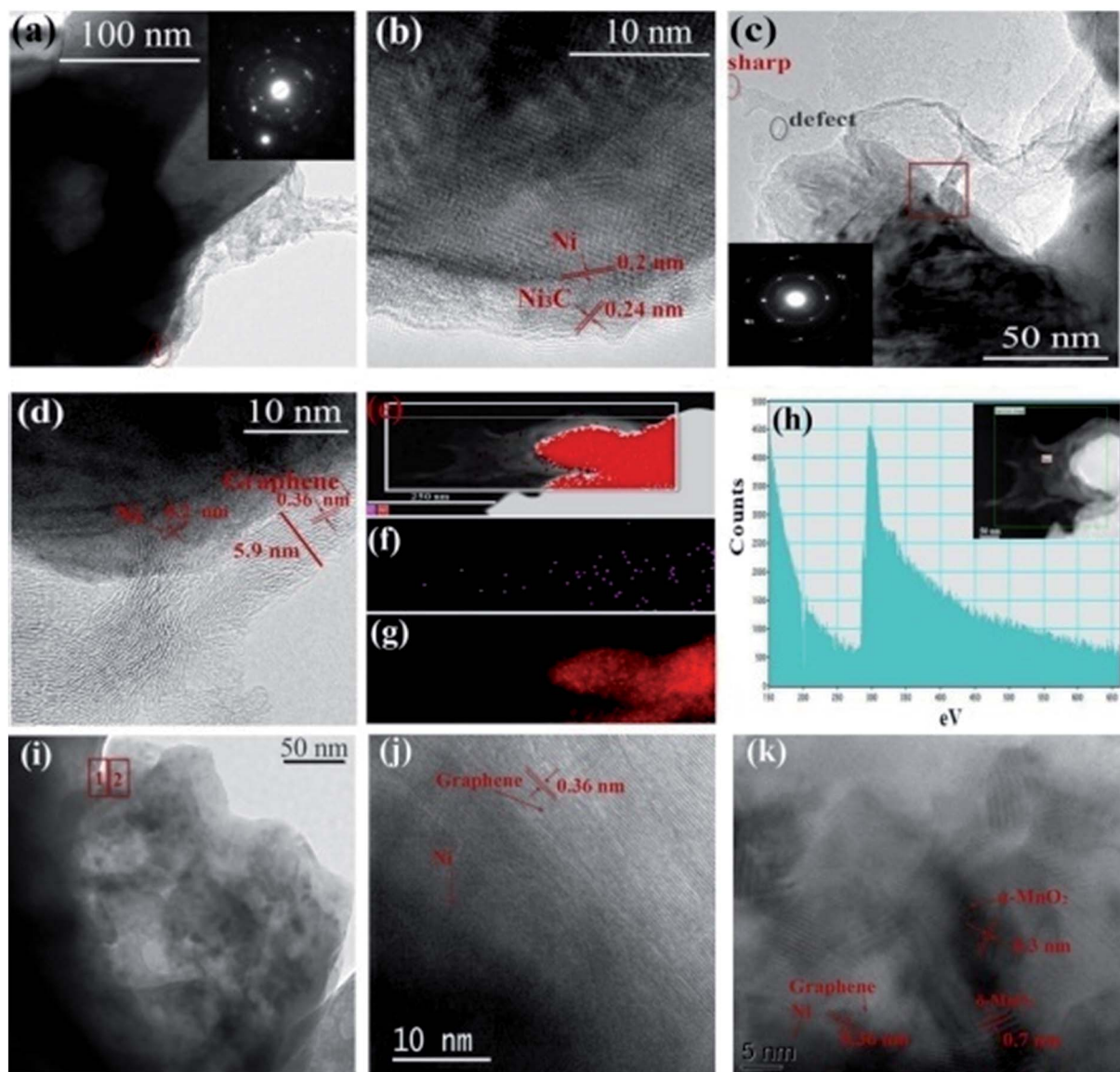


**Fig. 2** (a) Top view of the carbon incorporated Ni ( $\text{Ni}_3\text{C}$ )/MECN. (b) Top view of the nanographene/MECN. (c) Top view of the  $\text{MnO}_2$ /nanographene/MECN (inset is the magnification of (c)). (d) Top view of the  $\text{MnO}_2$ - $\text{MnO}_2$ /nanographene/MECN. (e) Cross-sectional morphology of the  $\text{MnO}_2$ - $\text{MnO}_2$ /nanographene/MECN. (f) EDS spectrum of the  $\text{MnO}_2$ - $\text{MnO}_2$ /nanographene/MECN about the local zone area (1), (2) and (3) showing the chemical composition. (a) was reproduced from ref. 1.

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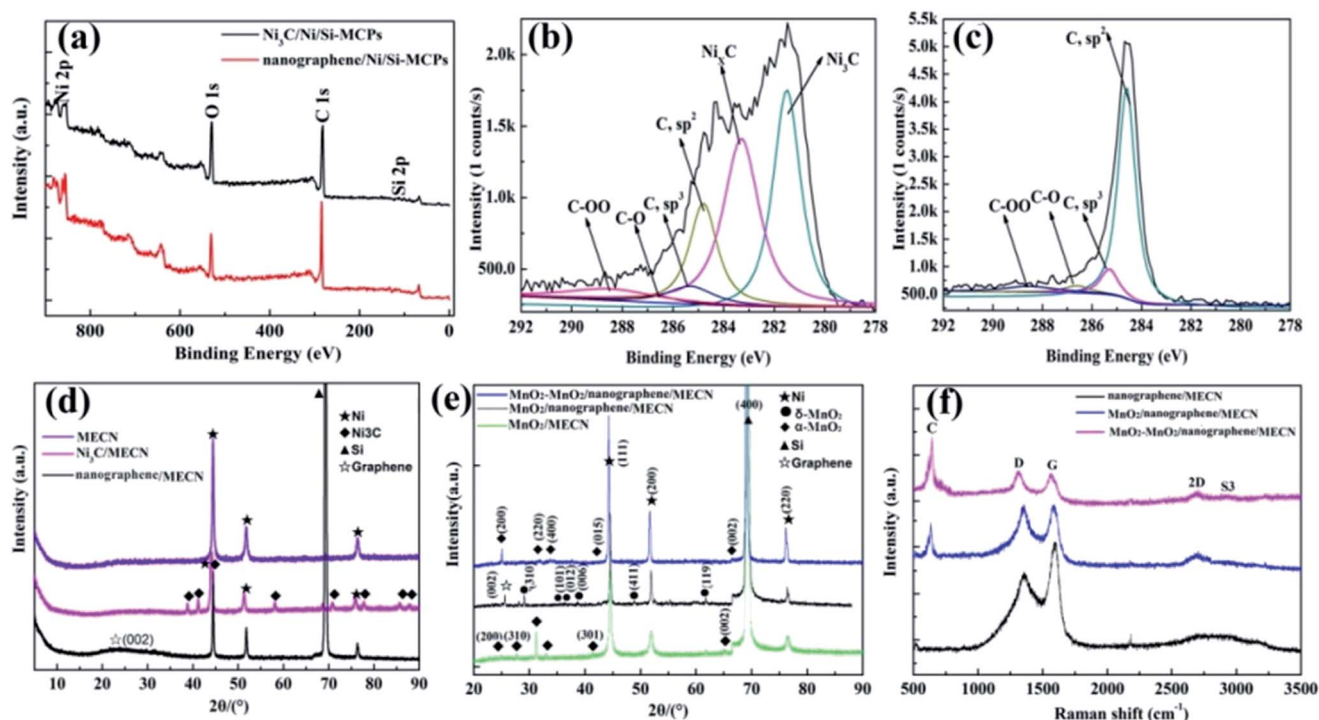
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**Fig. 3** (a) TEM image of  $\text{Ni}_3\text{C}/\text{Ni}$  composites (insets: SAED pattern of area 1 region). (b) HR-TEM image of  $\text{Ni}_3\text{C}/\text{Ni}$  composites of area 1 region in (a). (c) TEM image of nanographene/Ni composites (insets: SAED pattern of transparent region). (d) HR-TEM image of nanographene/Ni composites. (e) HAADF-STEM image of the grapheme/Ni composites and the corresponding HAADF-STEM-EDS elemental mapping analysis of (f) C element mapping, (g) Ni element mapping, respectively. (h) Electron energy loss spectroscopy (EELS) spectra of sample in (e) (inset: dark-field image of graphene/Ni). (i) TEM image of  $\text{MnO}_2\text{-MnO}_2/\text{nanographene}/\text{Ni}$ . (j) HR-TEM image of local zone area (1) in (i). (k) HR-TEM image of local zone area (2) in (j). (a–d) were reproduced from ref. 1.





**Fig. 4** XPS, XRD, Raman spectra of the samples: (a) survey spectrum, (b) high-resolution C 1s spectrum of  $\text{Ni}_3\text{C}$ , and (c) high-resolution C 1s spectrum of nanographene annealed at 800 °C. (d) XRD pattern acquired from the MECN,  $\text{Ni}_3\text{C}/\text{MECN}$ , nanographene/MECN. (e) XRD pattern of  $\text{MnO}_2/\text{MECN}$ ,  $\text{MnO}_2/\text{nanographene}/\text{MECN}$ ,  $\text{MnO}_2\text{-MnO}_2/\text{nanographene}/\text{MECN}$ . (f) Raman scattering spectra excited by 633 nm laser from nanographene/MECN,  $\text{MnO}_2/\text{nanographene}/\text{MECN}$ ,  $\text{MnO}_2\text{-MnO}_2/\text{nanographene}/\text{MECN}$ . (b and c) were reproduced from ref. 1.

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

## References

- 1 D. Wu, C. Zhang, C. Liang, Y. Zhu, S. Xu, D. Xiong, S. Xue, L. Wang and P. K. Chu, *J. Mater. Chem. C*, 2016, **4**, 2079–2087.

