

CORRECTION

[View Article Online](#)
[View Journal](#) | [View Issue](#)CrossMark
click for updatesCite this: *RSC Adv.*, 2016, 6, 17384

DOI: 10.1039/c6ra90011a

www.rsc.org/advances**Correction: Simple route for gram synthesis of less defective few layered graphene and its electrochemical performance**

Nazish Parveen, Mohd Omaish Ansari and Moo Hwan Cho*

Correction for 'Simple route for gram synthesis of less defective few layered graphene and its electrochemical performance' by Nazish Parveen *et al.*, *RSC Adv.*, 2015, 5, 44920–44927.

The authors regret that mistakes in eqn (1) and (2) resulted in incorrect specific capacitance values for the graphene reported in the original article. The corrected equations are shown below.^{1–4}

$$C_{\text{sp}} = \int IdV/(\Delta VMv) \quad (1)$$

$$C_{\text{sp}} = Idt/mdv \quad (2)$$

Due to these altered values, several statements in the original article require amendment, as follows:

Page 44925, right-hand column, line 1: “maximum specific capacitance of FLGN 147 F g^{−1} obtained at a current density 10 mV s^{−1}, which is much higher than previously reported papers, and are summarized in Table S2” should instead read “maximum specific capacitance of FLGN is 78.41 F g^{−1} at a scan rate of 10 mV s^{−1}, and this value is compared with those of previously reported materials in Table S2”.

Page 44925, right-hand column, line 11: “FLGN showed a specific capacitance of ~147 F g^{−1} at a scan rate of 10 mV s^{−1} but the capacitance value decreased to ~100 F g^{−1} at 100 mV s^{−1}” should instead read “FLGN showed a specific capacitance of ~78.41 F g^{−1} at a scan rate of 10 mV s^{−1} but the capacitance value decreased to ~50.76 F g^{−1} at 100 mV s^{−1}”.

Page 44925, right-hand column, line 26: “The capacitance values of the FLGN electrodes were calculated to be 197 A g^{−1} at 10 mA from Fig. 9(a) using eqn (2) which is much higher than previously reported electrochemically exfoliated GN” should instead read “The capacitance values of the FLGN electrodes were calculated to be 96 F g^{−1} at 10 mA from Fig. 9(a) using eqn (2)”.

Page 44926, left-hand column, line 9: “The FLGN remained at 97% of the capacitance after 500 charge/discharge cycles” should instead read “The FLGN remained at ~95% of the capacitance after 500 charge/discharge cycles”.

On the basis of these corrected equations, Fig. 8(b) and Fig. 9(a) have also been corrected and are shown below.

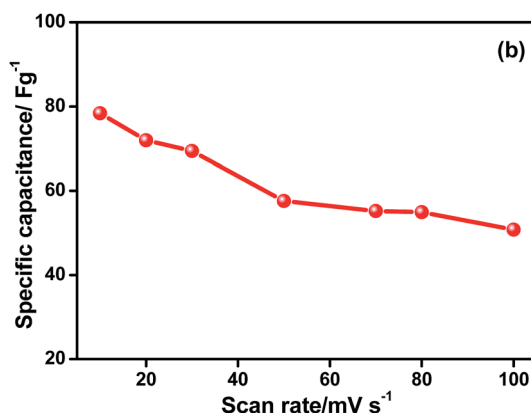


Fig. 8 (b) Specific capacitance of FLGN.

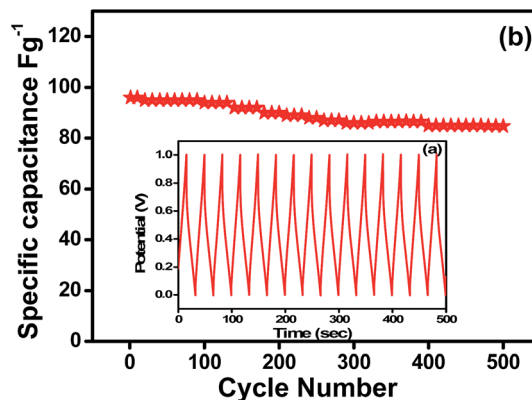


Fig. 9 (a) Galvanostatic CD measurement and (b) cyclic stability of FLGN.

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

References

- 1 H. Z. Chi, Y. Li, Y. Xin and H. Qin, *Chem. Commun.*, 2014, **50**, 13349.
- 2 J. Chang, H. Xu, J. Sun and L. Gao, *J. Mater. Chem.*, 2012, **22**, 11146.
- 3 W. Li, L. Xin, X. Xu, Q. Liu, M. Zhang, S. Ding, M. Zhao and X. Lou, *Sci. Rep.*, 2015, **5**, 9277.
- 4 X. Yu, Y. Kang and H. S. Park, *Carbon*, 2016, DOI: 10.1016/j.Carbon.2016.01.073.

