CORRECTION

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

Cite this: *J. Mater. Chem. A*, 2018, 6, 6687

DOI: 10.1039/c8ta90070a

www.rsc.org/MaterialsA

Correction: Popgraphene: a new 2D planar carbon allotrope composed of 5–8–5 carbon rings for high-performance lithium-ion battery anodes from bottom-up programming

Shuaiwei Wang,^a Baocheng Yang,^a Houyang Chen^{*b} and Eli Ruckenstein^b

Correction for 'Popgraphene: a new 2D planar carbon allotrope composed of 5–8–5 carbon rings for high-performance lithium-ion battery anodes from bottom-up programming' by Shuaiwei Wang *et al.*, *J. Mater. Chem. A*, 2018, DOI: 10.1039/c8ta00438b.

The authors regret errors in the text of Section 3.1 on page 2 of the original manuscript. In the sentence beginning "Its unit cell contains...", the plane group assigned to popgraphene is incorrect. The plane group should be *c2mm* (plane group no. 9), instead of *P2mg* (plane group no. 7). In the following sentence, *4j* and *8q* should be replaced by *4e* and *8f*, respectively. Therefore the section should be written as below.

Its unit cell contains 12 carbon atoms and its plane group is *c2mm* (plane group no. 9). The optimized lattice constants are $a = 3.6833 \text{ \AA}$ and $b = 9.1124 \text{ \AA}$ with the carbon atoms occupying two nonequivalent atomic Wyckoff positions of *4e* (0.5, 0.077) and *8f* (0.690, 0.326), denoted C₁ and C₂, respectively.

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

^aHenan Provincial Key Laboratory of Nanocomposites and Applications, Institute of Nanostructured Functional Materials, Huanghe Science and Technology College, Zhengzhou 450006, China

^bDepartment of Chemical and Biological Engineering, State University of New York at Buffalo, Buffalo, New York 14260-4200, USA. E-mail: hchen23@buffalo.edu