



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

DOI: 10.1039/c8ta90070a

[www.rsc.org/MaterialsA](http://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,<sup>a</sup> Baocheng Yang,<sup>a</sup> Houyang Chen<sup>\*b</sup> and Eli Ruckenstein<sup>b</sup>

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 C<sub>1</sub> and C<sub>2</sub>, respectively.

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

<sup>a</sup>Henan Provincial Key Laboratory of Nanocomposites and Applications, Institute of Nanostructured Functional Materials, Huanghe Science and Technology College, Zhengzhou 450006, China

<sup>b</sup>Department of Chemical and Biological Engineering, State University of New York at Buffalo, Buffalo, New York 14260-4200, USA. E-mail: [hchen23@buffalo.edu](mailto:hchen23@buffalo.edu)

