SCIENTIFIC REPORTS

OPEN

Author Correction: A Low-Cost Non-explosive Synthesis of Graphene Oxide for Scalable Applications

Published online: 26 September 2018

Pranay Ranjan[1], Shweta Agrawal[2], Apurva Sinha[1], T. Rajagopala Rao[2], Jayakumar Balakrishnan[1,3] & Ajay D. Thakur[1]

Correction to: *Scientific Reports* https://doi.org/10.1038/s41598-018-30613-4, published online 13 August 2018

This Article contains errors.

In panels (b) and (c) of Figure 6, 'O-C-O/C=O' is incorrectly given as 'O-C-O'. The correct Figure 6 appears below as Figure 1.

In addition, Supplementary Table S2 contains the following errors.

"-C=O"

should read:

"C-O"

and

"C-O-C"

should read:

"O-C-O/C=O"

[1]Department of Physics, Indian Institute of Technology Patna, Bihta, 801106, India. [2]Department of Chemistry, Indian Institute of Technology Patna, Bihta, 801106, India. [3]Department of Physics, Indian Institute of Technology Palakkad, Palakkad, 678557, India. Correspondence and requests for materials should be addressed to P.R. (email: pranjan@iitp.ac.in) or A.D.T. (email: ajay.thakur@iitp.ac.in)

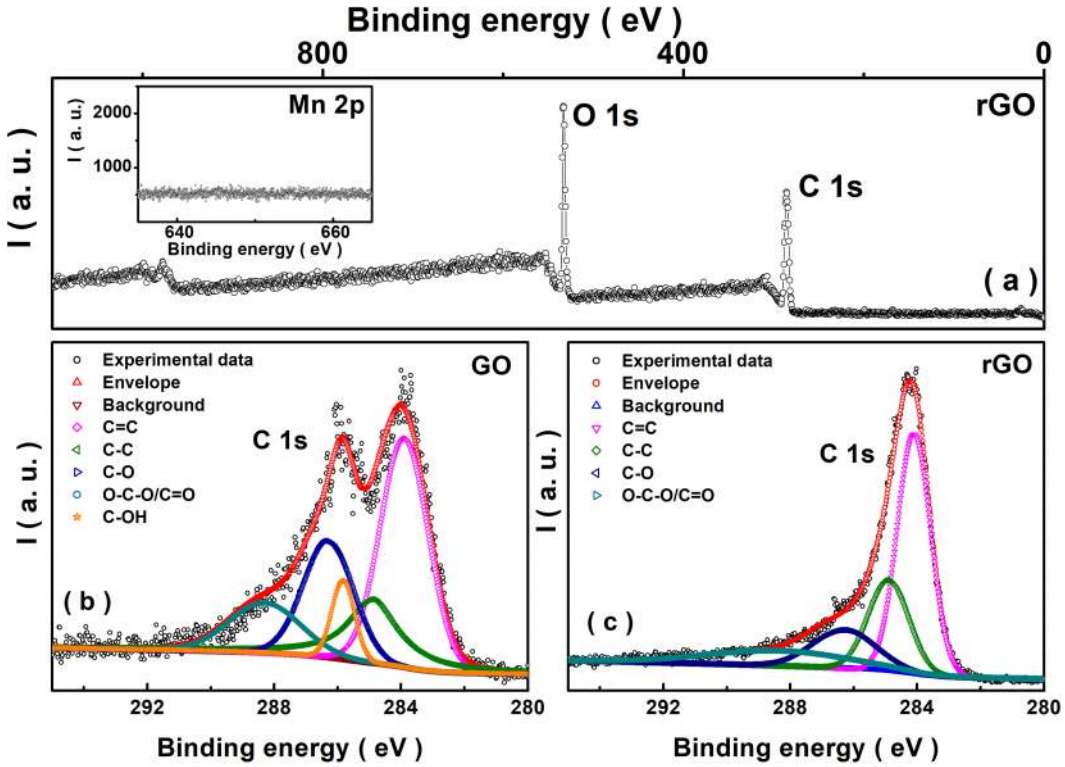

Figure 1. (**a**) Intensity (I) versus binding energy (B. E.) in the full scan range for the XPS of the rGO film obtained after a 2 hour exposure to a 4 Watt, 365 nm UV lamp. (**b**) A multiple peak deconvolution of the GO C1s XPS data (corresponding to –C–C–, –C=C–, –C–O, –O–C–O–, –OH and –C=O respectively). The inset in panel (a) shows the XPS data corresponding to Mn 2p binding energy region for the rGO sample. (**c**) rGO C1s XPS data for the sample along with the deconvoluted peak structure corresponding to –C–C–, –C=C–, –C–O, –O–C–O–, and –C=O are marked.