Correction: Synthesis of γ-graphyne by mechanochemistry and its electronic structure

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Abstract: Correction for 'Synthesis of γ-graphyne by mechanochemistry and its electronic structure' by Qiaodan Li *et al.* Carbon 2018, 136, 248-254, DOI: 10.1016/j.carbon.2018.04.081.

The X-ray diffraction peak at 25.4° (d = 0.35 nm) should be ascribed to the (110) lattice planes of γ-graphyne rather than to the (220) lattice planes in the previous version. The peaks at 18.1° (d = 0.49 nm) and 34.2° (d = 0.25 nm) need to be corrected to (001) and (101) lattice planes of $Ca(OH)_2$ (No. 44-1481) impurities. The $Ca(OH)_2$ came from the reaction between CaC_2 and H_2O during the purification process, which can be removed completely by extending pickling time. Figure 2d is revised accordingly.

In the SAED pattern, the interplanar spacings of 0.60, 0.35, and 0.20 nm should be assigned to the (100), (110), and (300) lattice planes of γ-graphyne, respectively. Figure 3a is revised accordingly.

All revisions do not affect the conclusions of the original paper.

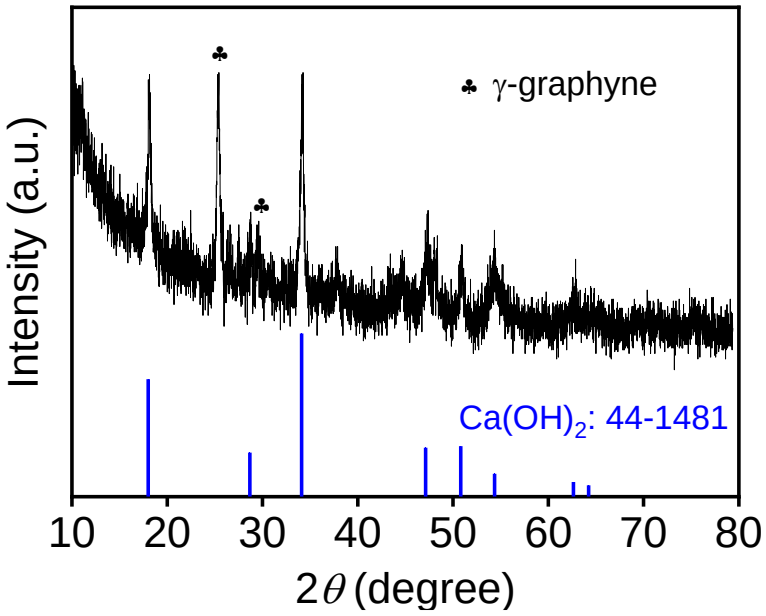

Figure 2(d) XRD pattern of the as-prepared sample.

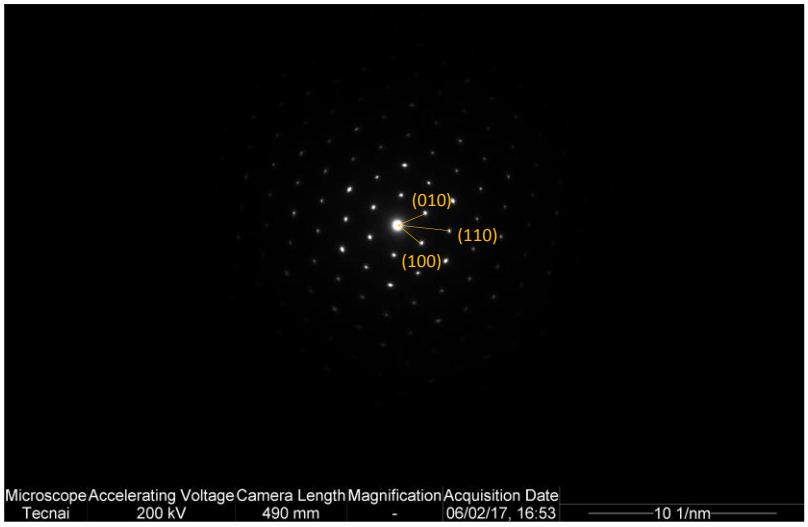

Figure 3(a) SAED pattern of the as-prepared sample.