

Ionic Liquid-Assisted Exfoliation of Graphite Oxide for Simultaneous Reduction and Functionalization to Graphenes with Improved Properties

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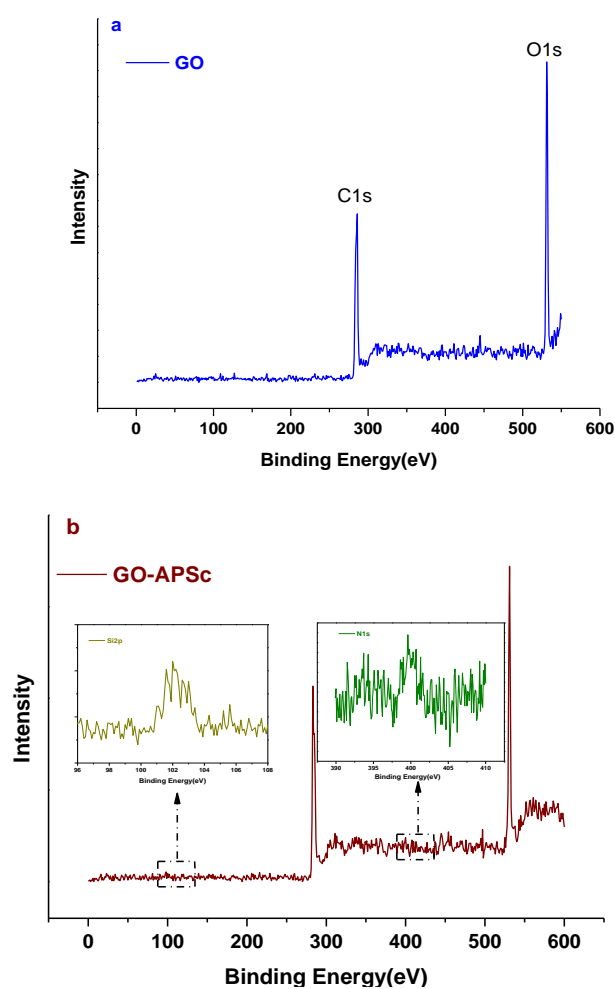


Fig. S1 The surface survey of (a) GO and (b) GO-APSc

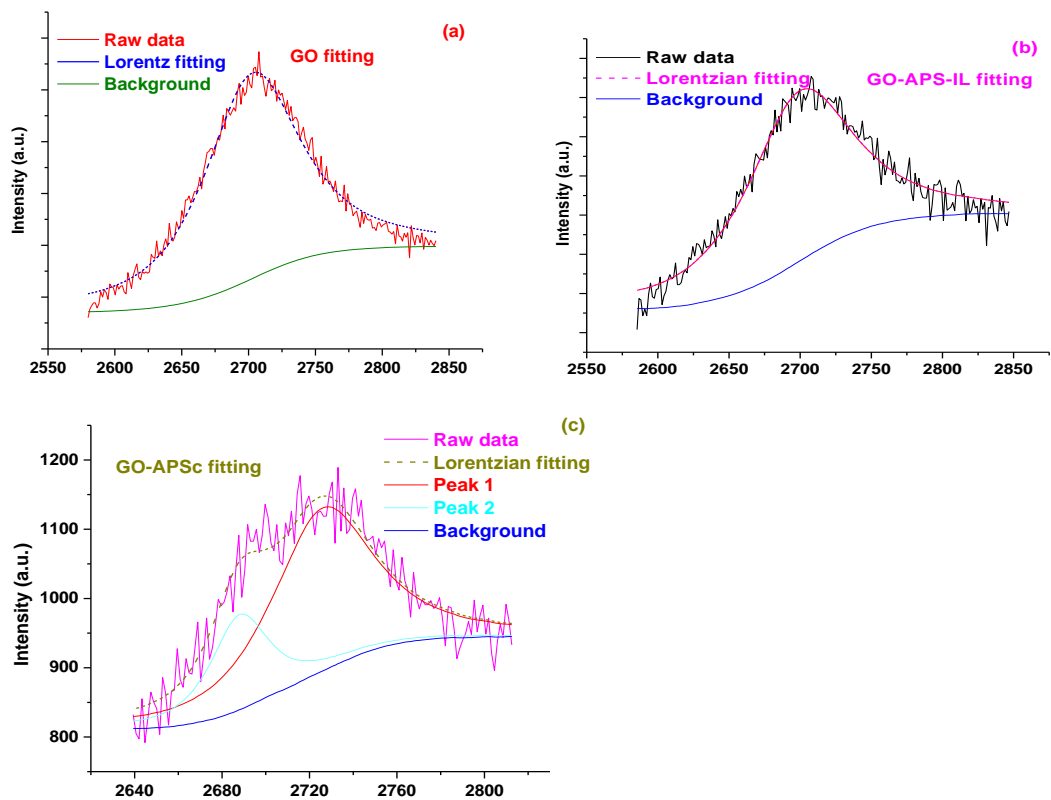


Fig. S2 The deconvolution of the 2D bands ((a)-GO; (b)-GO-APS-IL; (c)-GO-APSc)

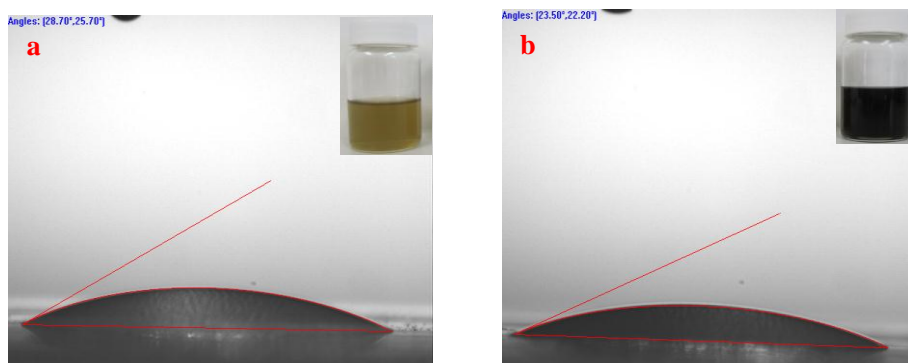


Fig. S3 Wet-out on the PLA substrate ((a) and (b) insets Go and GO-APS-IL in the THF solution (0.2 mg/mL), respectively)

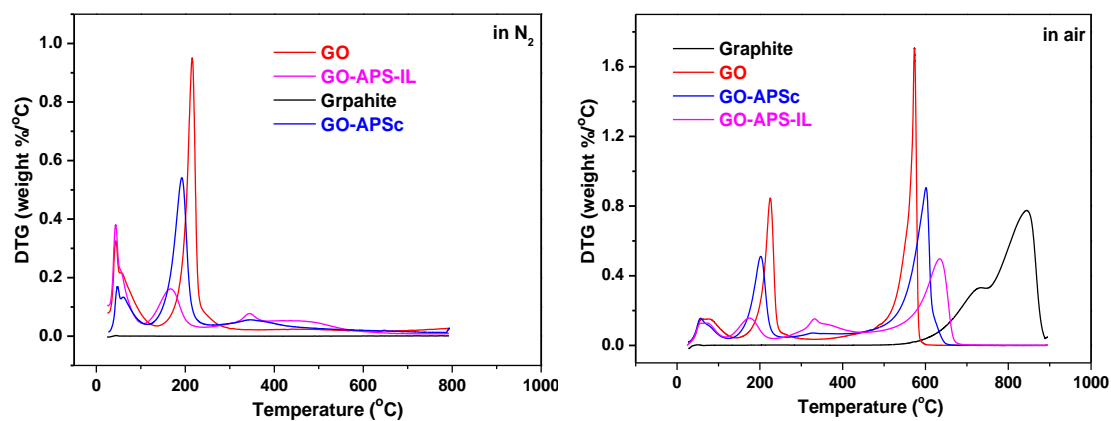


Fig. S4 DTG curves of pristine graphite, GO, GO-APSc, and GO-APS-IL in N₂ and air environment

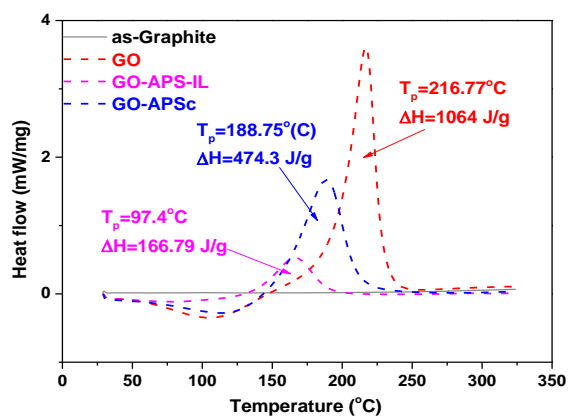


Fig. S5 DSC curves of pristine graphite, GO, GO-APSc, and GO-APS-IL