Electronic Supplementary Material (ESI) for RSC Advances.

Stacking of Ultra-thin Reduced Graphene Oxide Nanoparticles in Supramolecular Structures for Optoelectronic Applications

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1. FESEM of graphene oxide and GONP

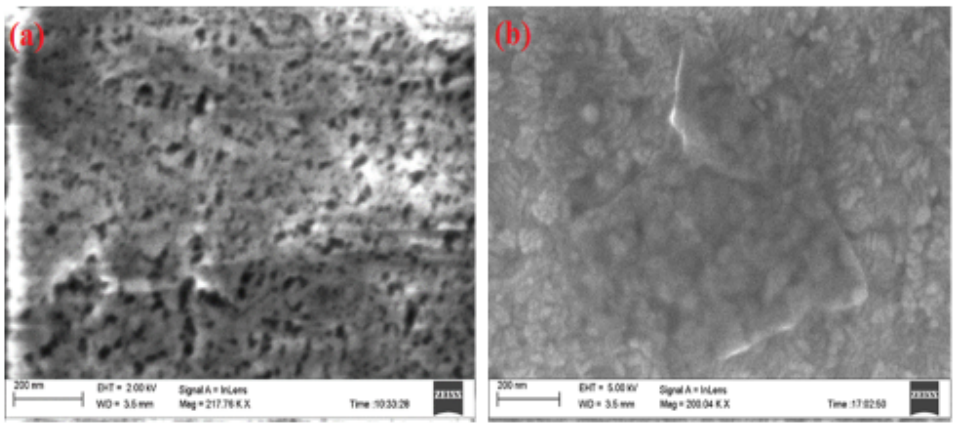
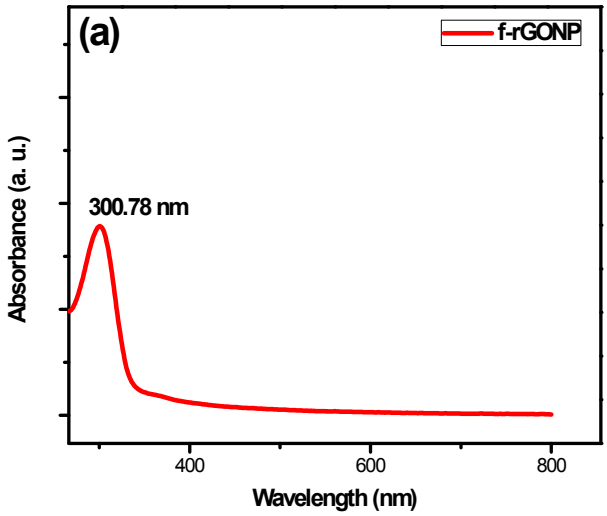


Fig. S1 (a) FESEM image of f-rGONPs, and (b) FESEM image of ultra-thin GO sheet.

In Fig. S1 (b) we can see the ultra-thin features of doubly oxidized graphene oxide (GO) sheet showing the ITO substrate clearly indicating transparent feature of GO monolayer.

2. Optical properties of f-rGONPs: UV-Vis and Fluorescence Spectroscopy



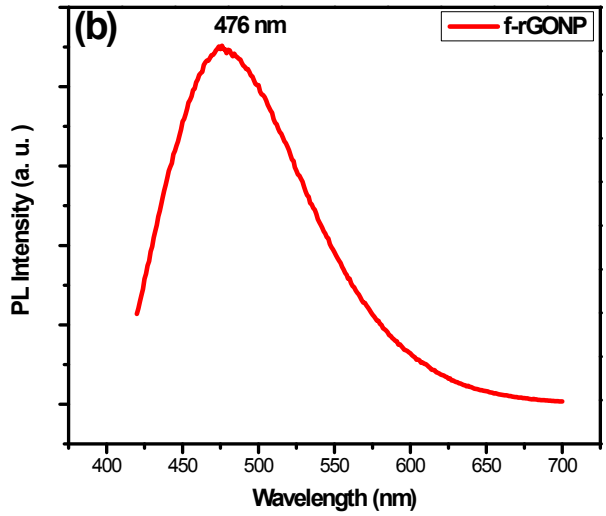


Fig. S2 (a) UV-vis absorption spectra of f-rGONP, and (b) PL spectra of f-rGONP at excitation wavelength of 400nm (dispersed in chloroform).