

Supporting Information

One step in situ single aligned Graphene-ZnO nanofiber for UV sensing

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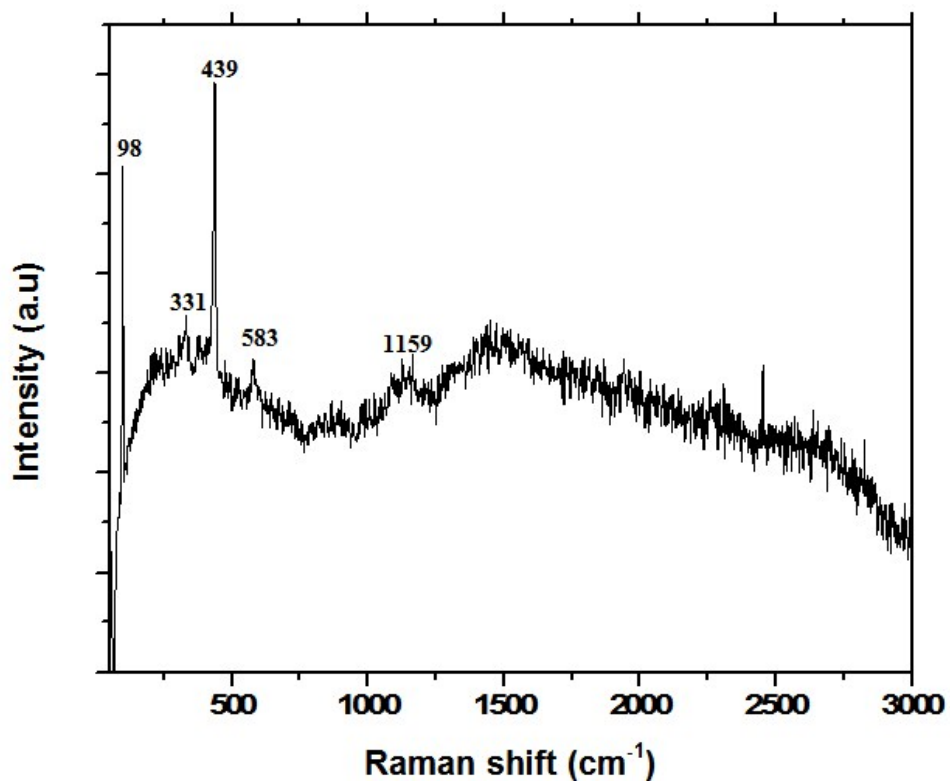


Fig S1: Raman spectra of Gr-ZnO composite nanofiber with 0.5wt. % graphene calcined at 600°C.

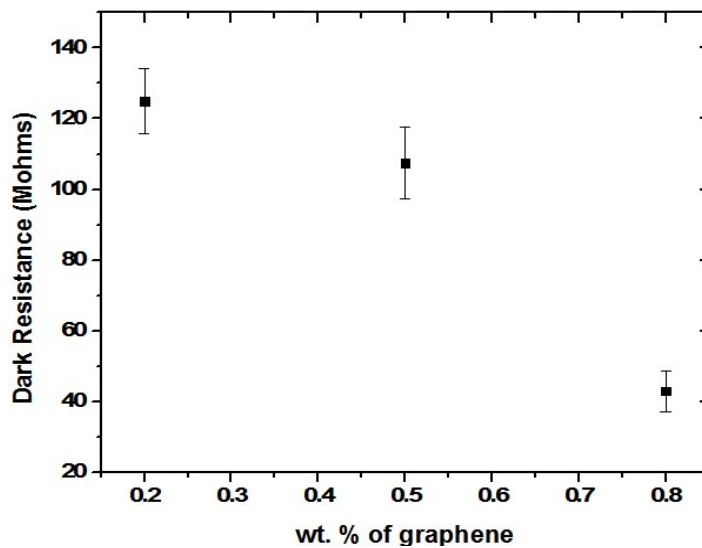


Fig S2: Plot of dark resistance values obtained for different wt. % of graphene in Gr-ZnO composite fiber. Each data point is an average of measurements from 4 devices and error bars represent +/-1 S.D.

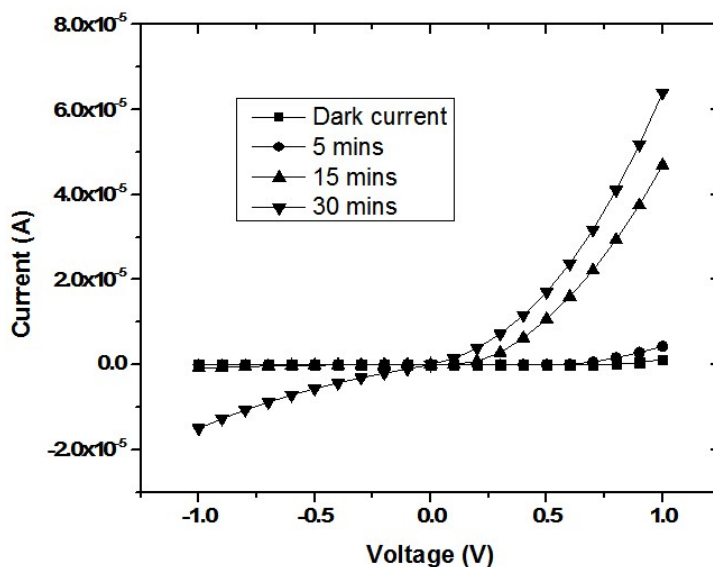


Fig S3: I-V curves of a typical Gr-ZnO device with 0.2 wt. % of Gr with and without UV illumination at various time instants