Supporting Information

Large area growth of SnS₂/Graphene on cellulose paper as a flexible broadband photodetector and investigating the band structure through First Principle Calculations

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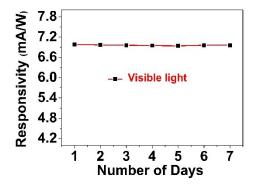
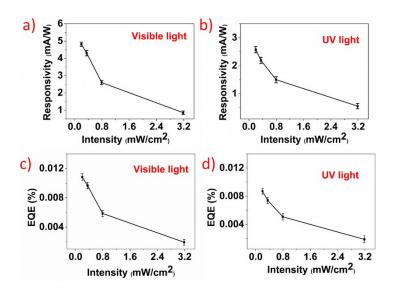


Figure S1: Graph showing the responsivity vs. number of days, indicating the stability of the device.



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Figure S2: a, b) Responsivity v/s intensity under Visible ansd UV illumination, c,d) EQE v/s intensity under visible and visible illumination of SnS_2 grown on cellulose paper

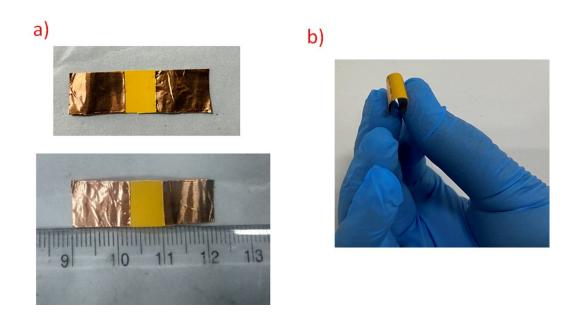


Figure S3: a) Digital image of the fabricated SnS₂/Gr based device with an active area of 7 mm x 7 mm b) Digital image of the fabricated device in bending state.