

Supporting Information

Light Driven Textile Sensors with the Potential Applications of UV Detection

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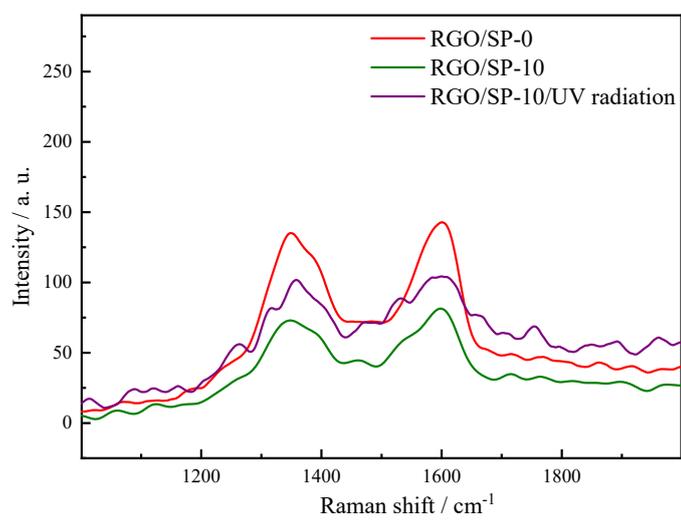


Figure S1. Raman spectra of GO/SP-0, GO/SP-10, and GO/SP-10 after UV radiation.

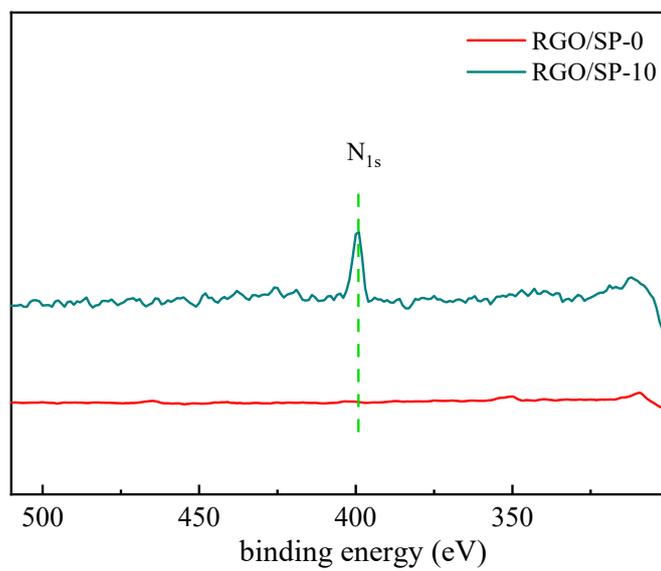


Figure S2. Wide XPS spectra of GO/SP-0, GO/SP-10.

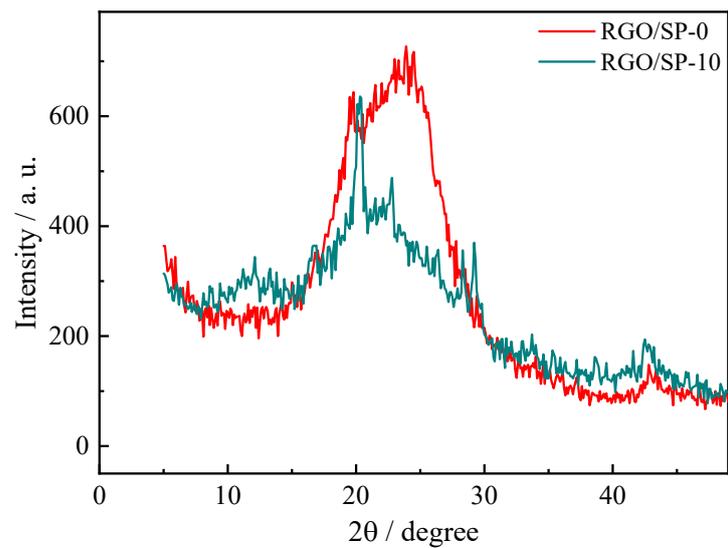


Figure S3. XRD patterns of GO/SP-0 and GO/SP-10.

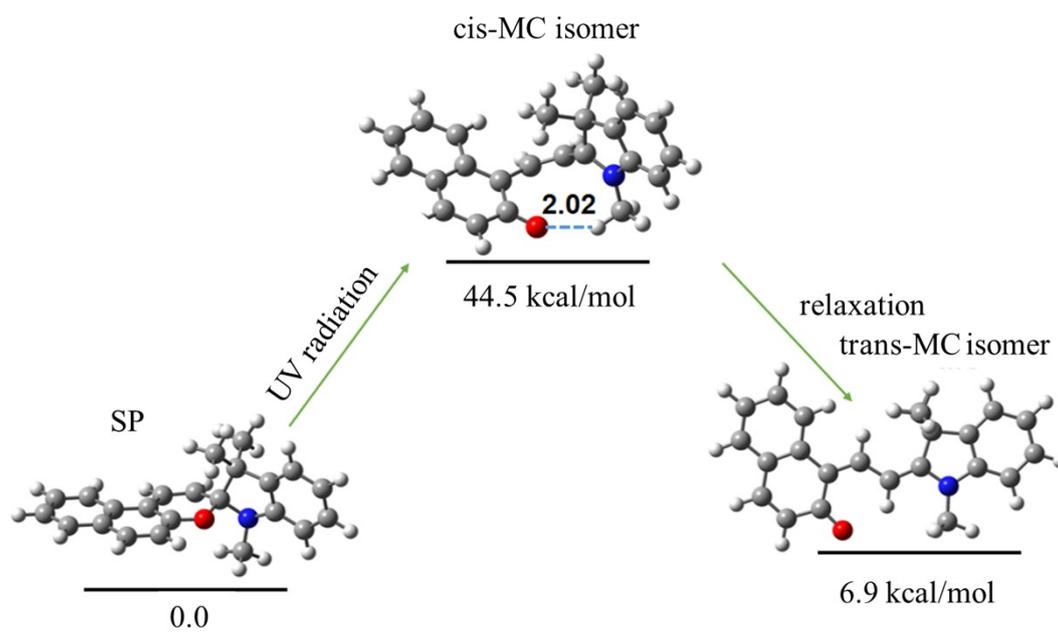


Figure S4. The Optimized structures, electronic and geometric characteristics in SP, cis-MC isomer, and trans-MC isomer.

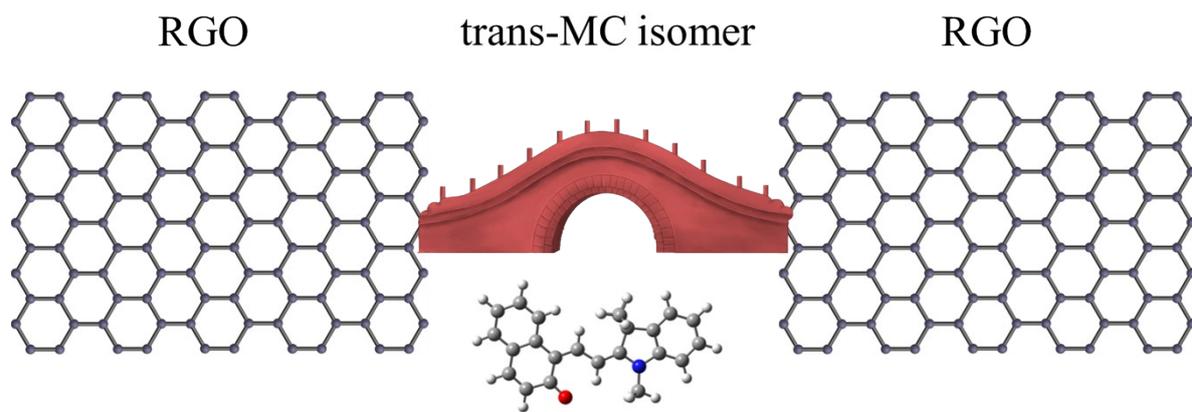


Figure S5. Schematic illustration of trans-MC isomer connecting various RGO nanosheets.

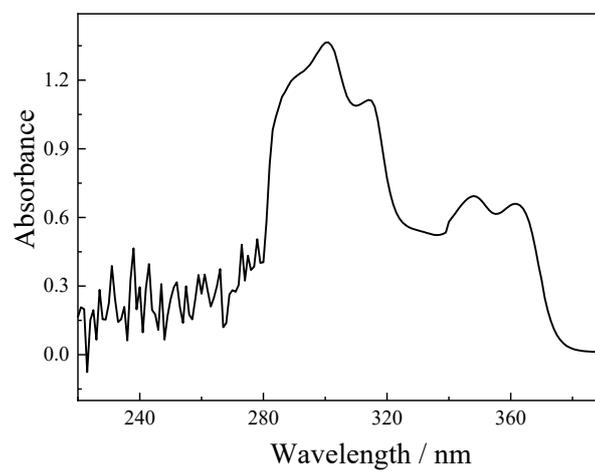


Figure S6. The UV absorption spectra of spiropyran in dark.

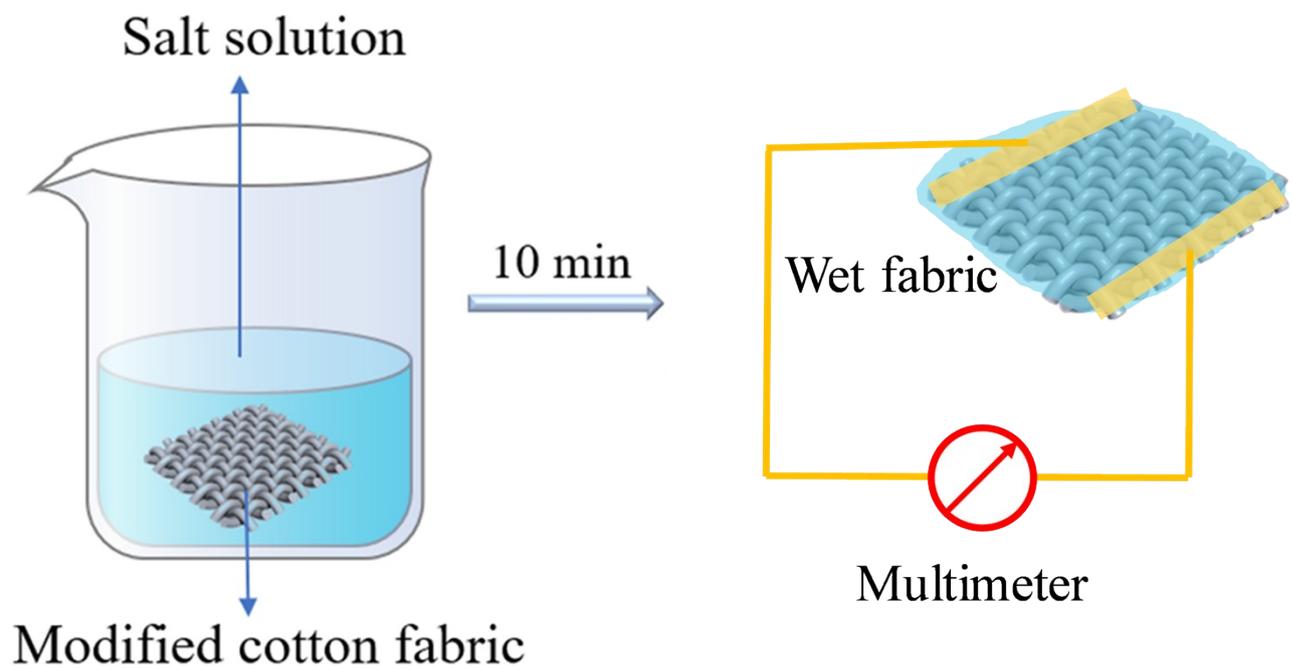


Figure S7. The schematic diagram of testing the represent surface resistivity.