

Graphene Decorated Carbonized Cellulose Fabric for Physiological Signal Monitoring and Energy Harvesting

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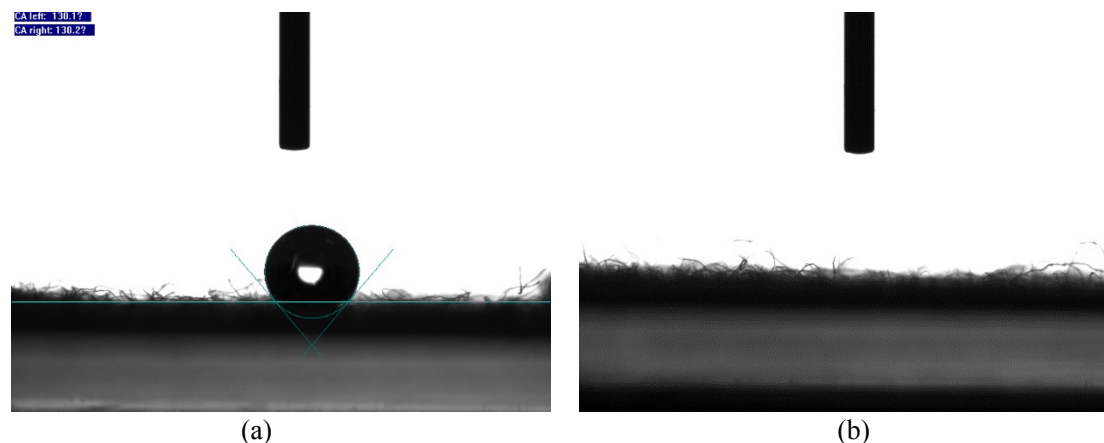


Figure S1. Surface contact angle of cotton fabric (a) before and (b) after plasma treatment.

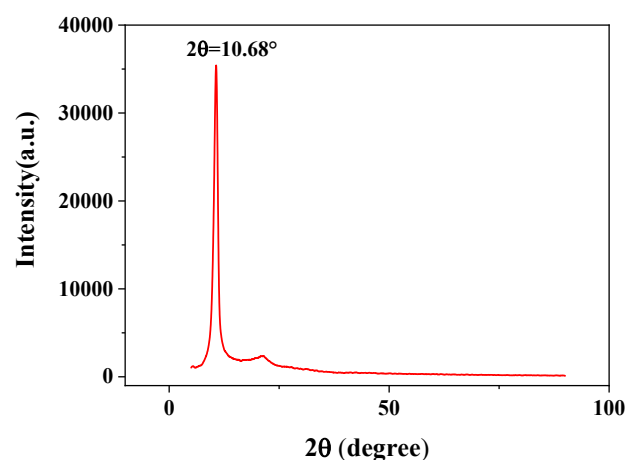


Figure S2. XRD spectrum of graphene oxide (GO).

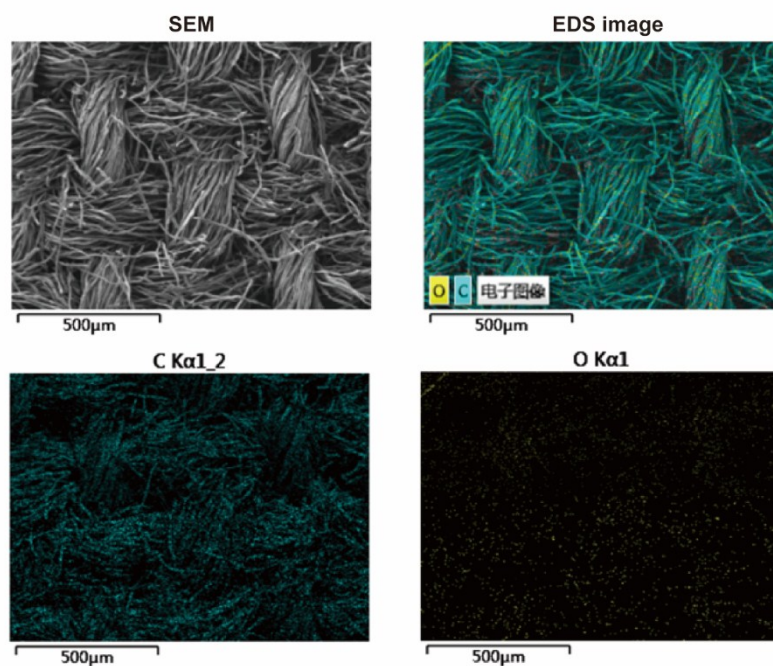


Figure S3. The energy dispersive spectrometer (EDS) images of the CCF@RGO.



Figure S4. The element content of the CCF@RGO by EDS analysis.

Table S5. The fabric size before and after treatment

Sample number	CF (mm)	CCF (mm)	CCF@RGO (mm)
1	0.530	0.457	0.492
2	0.344	0.296	0.334
3	0.496	0.424	0.491
4	0.327	0.245	0.295
5	0.354	0.427	0.398
6	0.273	0.247	0.320

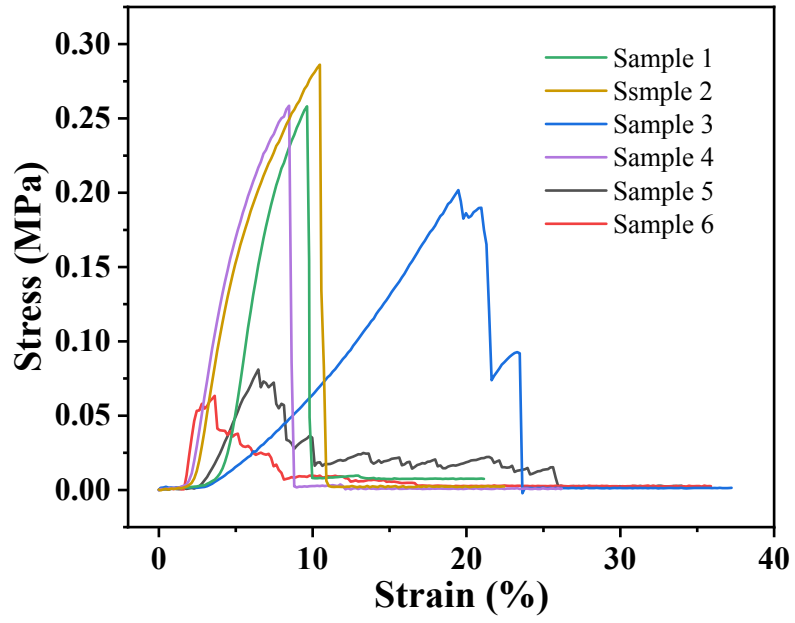


Figure S6. Stretching mechanical performance of the CCF@RGO.