Supporting Information

Helical Graphene Oxide Fibers as a Stretchable Sensor and Electrocapillary Sucker

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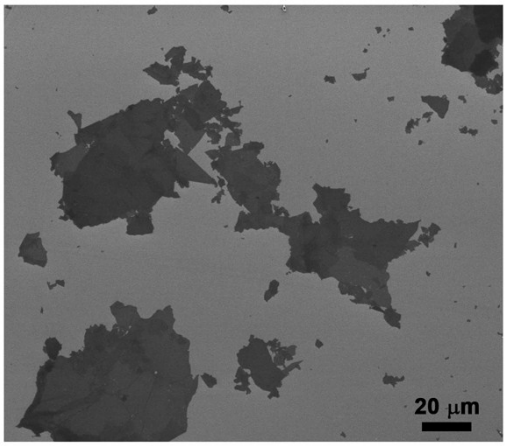

Figure S1. SEM images of GO sheets deposited on silica substrate.

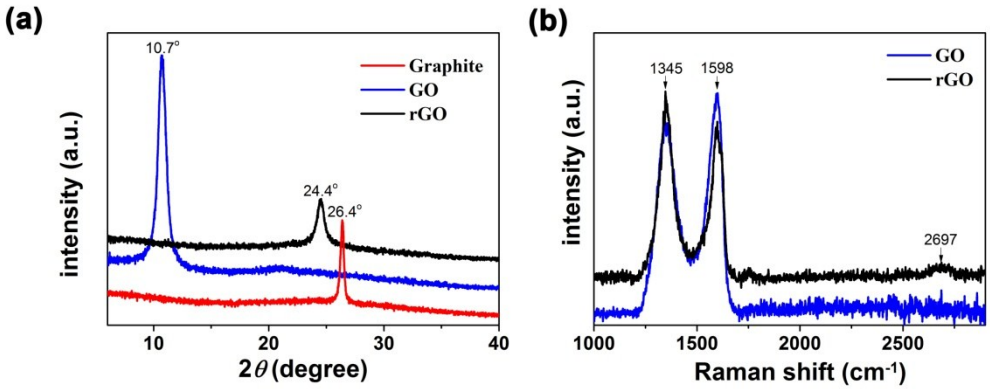

Figure S2. (a) XRD spectra of expanded graphite, GO and rGO films. (b) Raman spectra of the GO and rGO films.

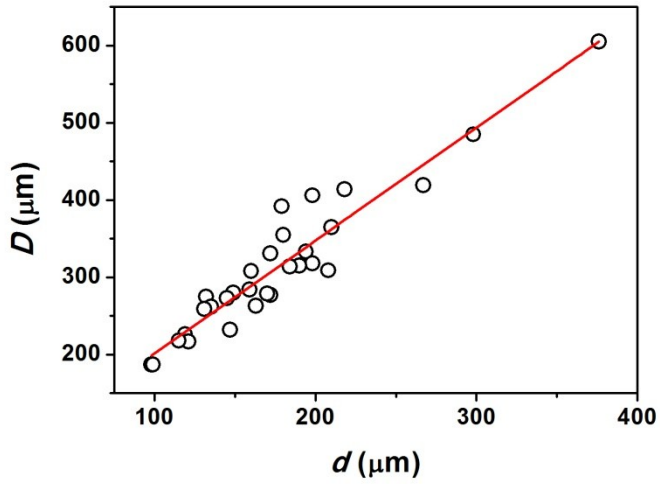

Figure S3. Plot of spiral loop diameter (*D*) *versus* yarn diameter (*d*).

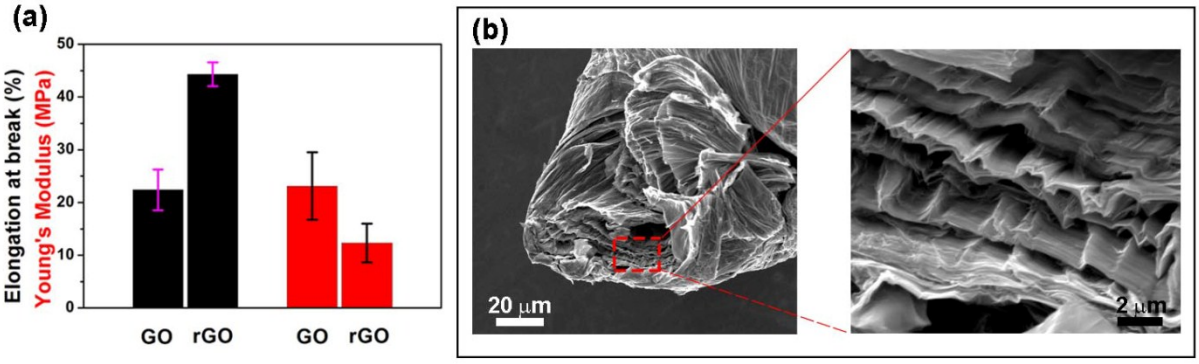

Figure S4. (a) Summary of the elongation at break (failure strain) and the Young's modulus (slope of the σ-ε curve) of tested GO and rGO fibers. (b) SEM images of tension-fractured helical rGO fibers, showing flat cross-section indicating a brittle failure following loop separation.