

Supplementary information to

A facile route to mechanically robust graphene oxide fibers

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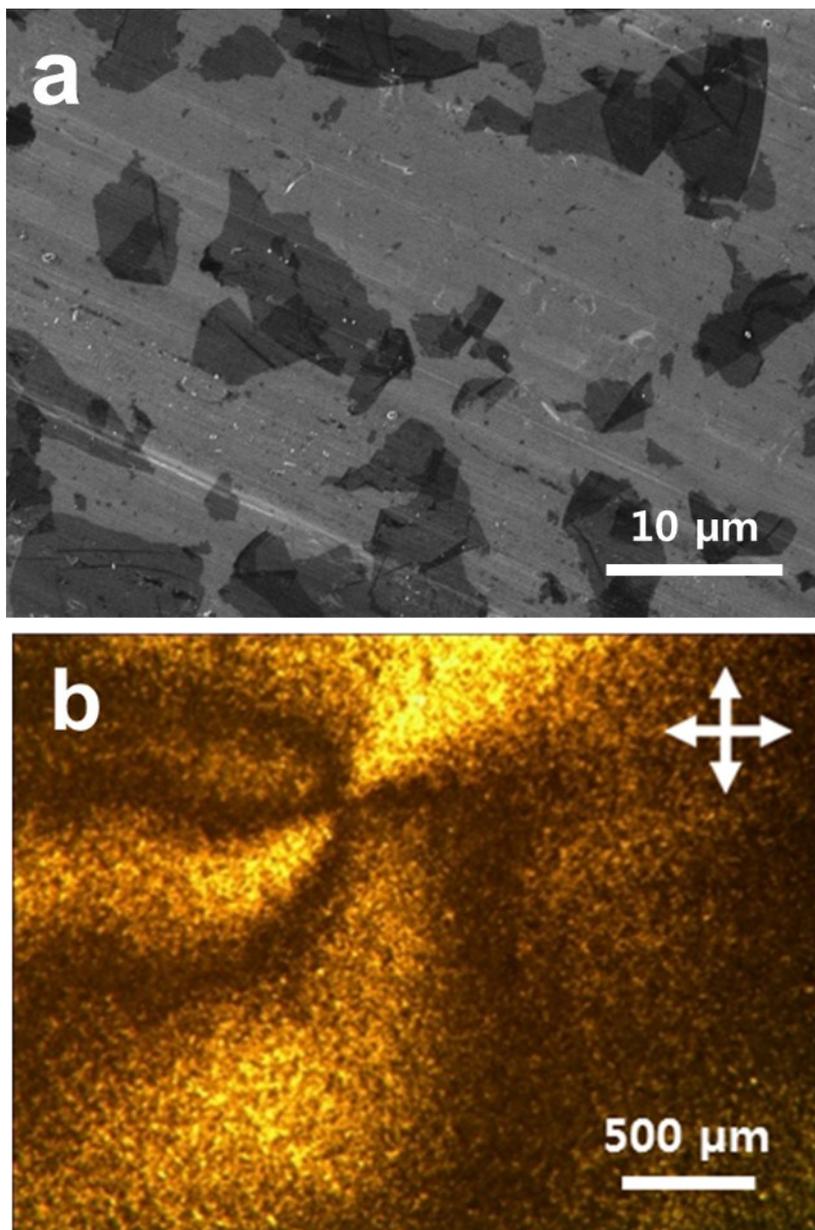


Fig. S1 (a) Morphologies of the GO flakes, and (b) Schlieren texture shown in polarized optical microscope image of the GO aqueous solution.

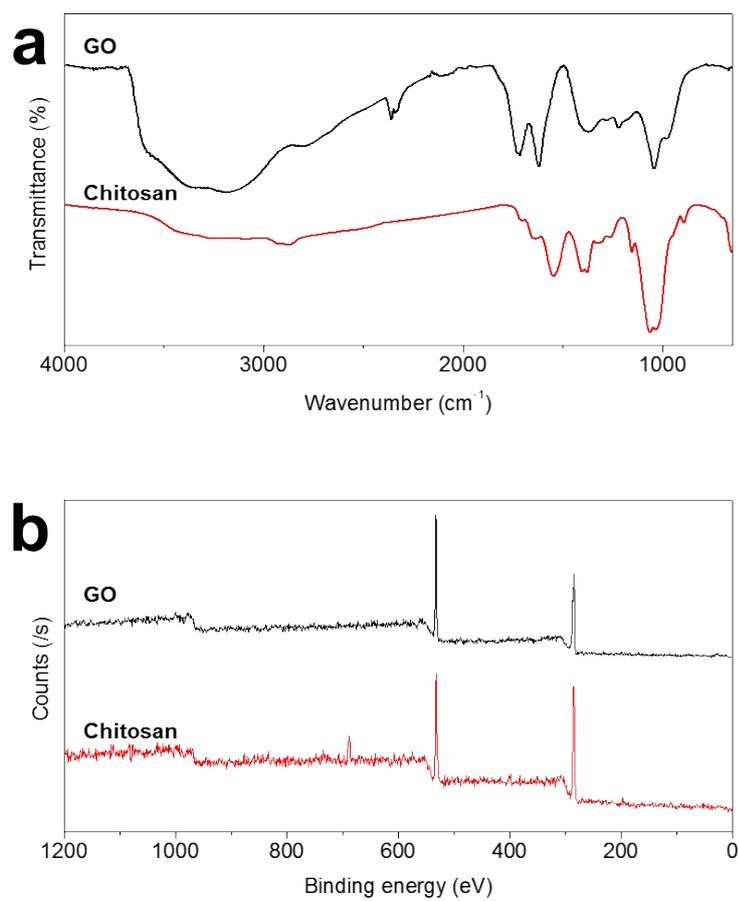


Fig. S2 Chemical characterizations of GO and chitosan: (a) Fourier transform-infrared spectra and (b) wide scan X-ray photoelectron spectra.

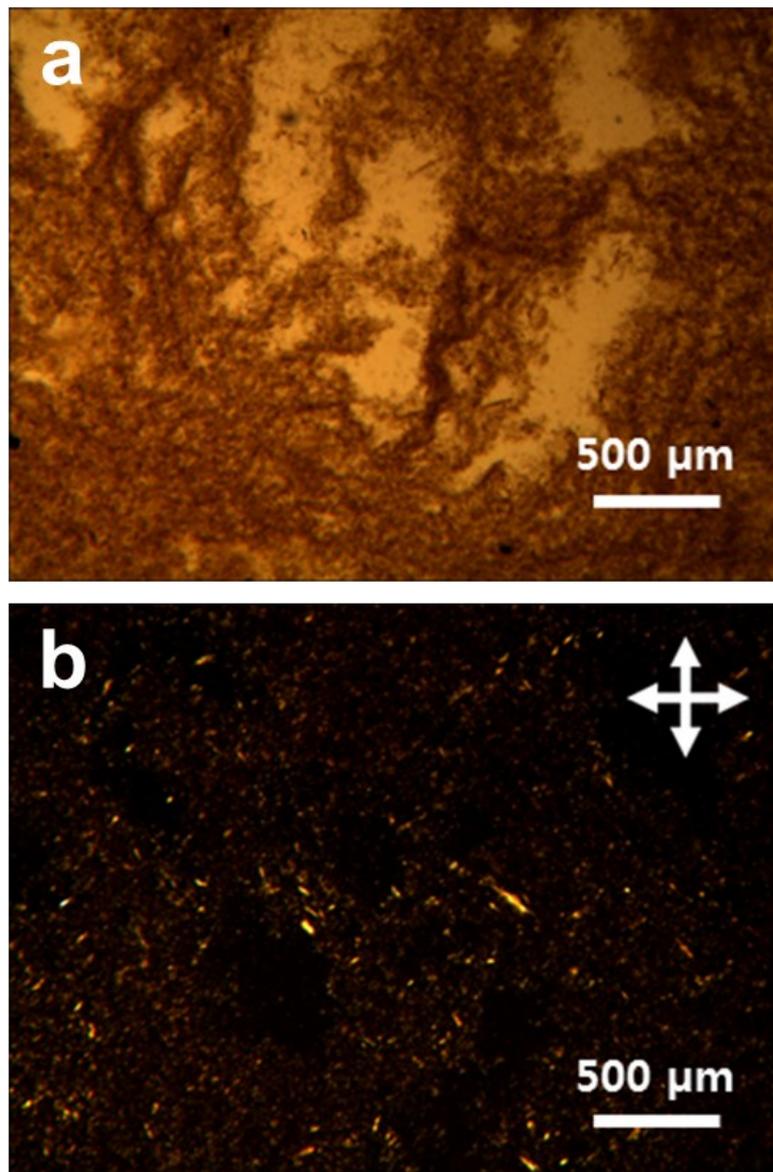


Fig. S3 Microscopic images of GO-chitosan pre-crosslinked solution: (a) Optical microscope image and (b) Polarized optical microscope image

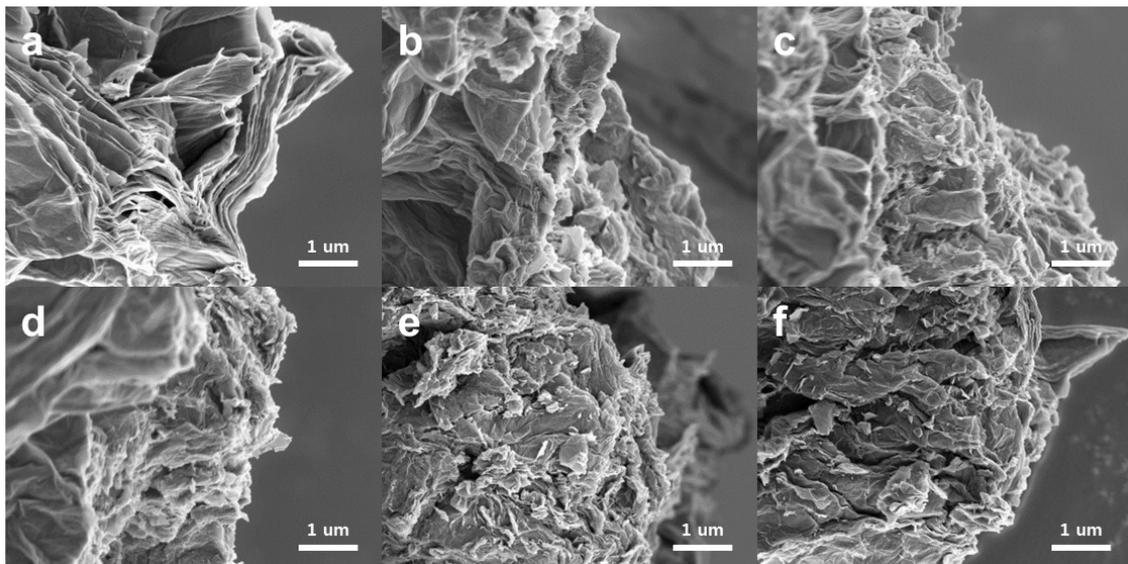


Fig. S4 Side view of fractured surfaces images: (a) GOF, (b) C-GOF1, (c) C-GOF2, (d) C-GOF3, (e) C-GOF4, and (f) C-GOF5.

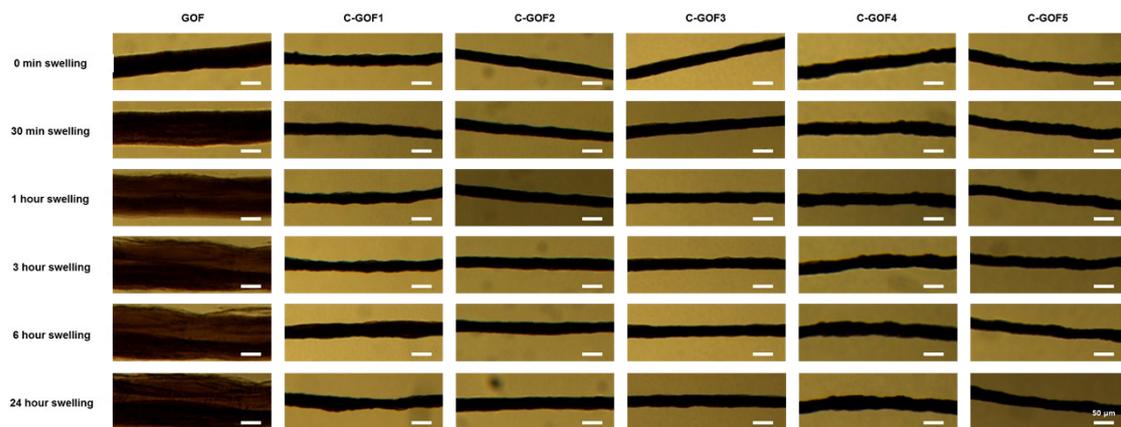


Fig. S5 Time-lapse swelling behavior of GOFs examined using optical microscopy.