

## Supplementary material

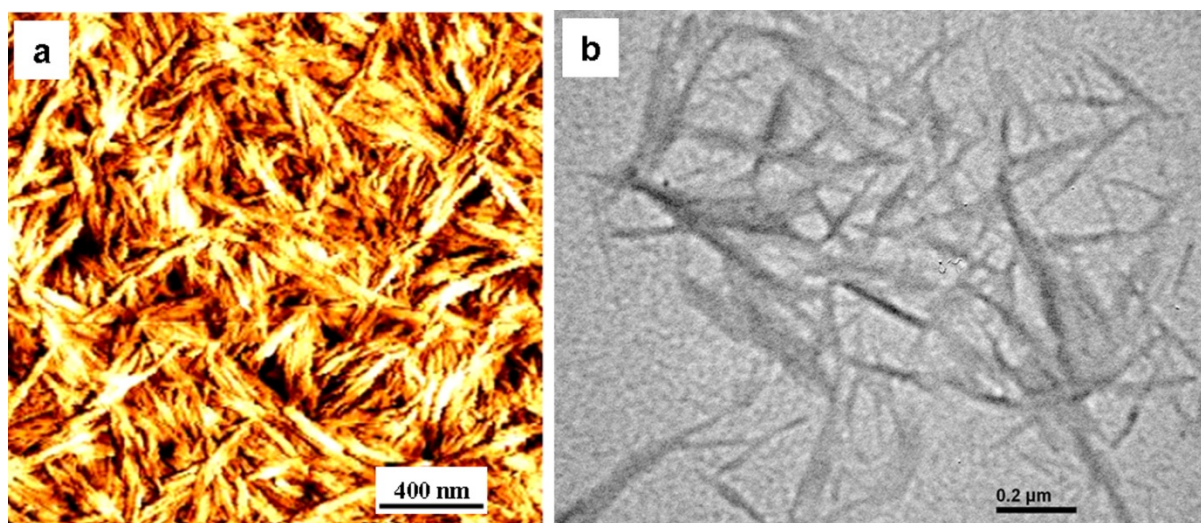


Fig. S1. AFM and TEM images of CNC.

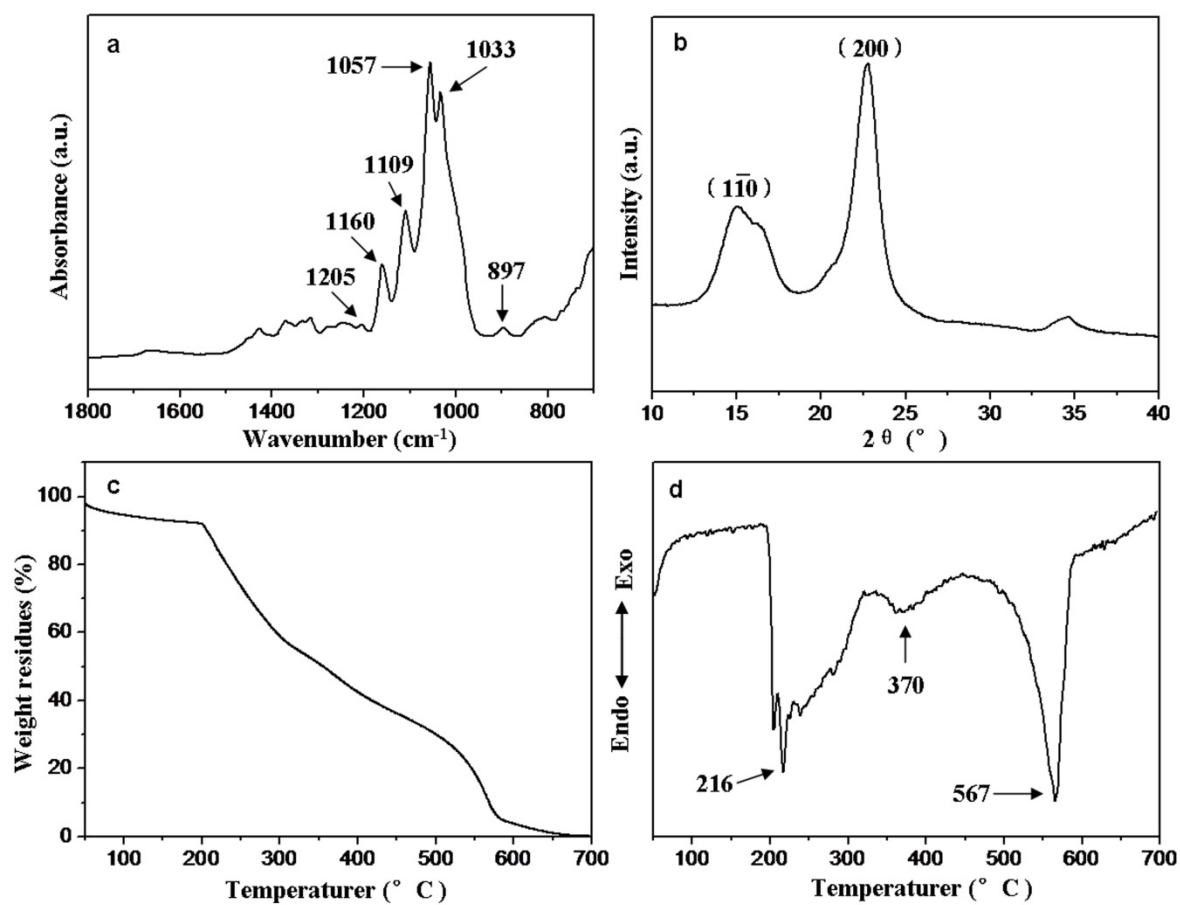
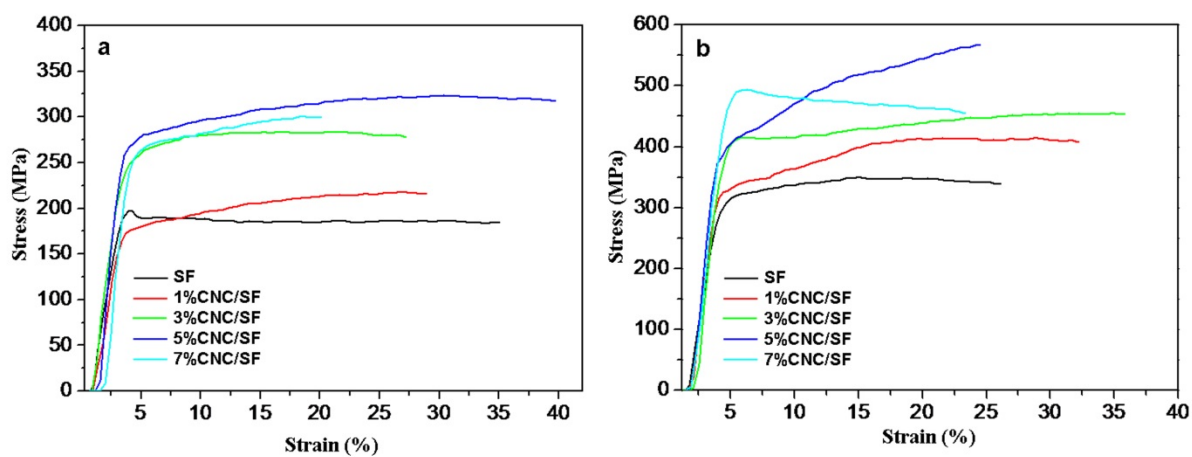


Fig. S2. FTIR spectra (a), XRD patterns (b), TGA (c) and DTG (d) curves of CNC.



**Fig. S3.** Stress-strain curves of regenerated SF fibers and various CNC/SF fibers with 1X (a) and 2X (b) of post draw.