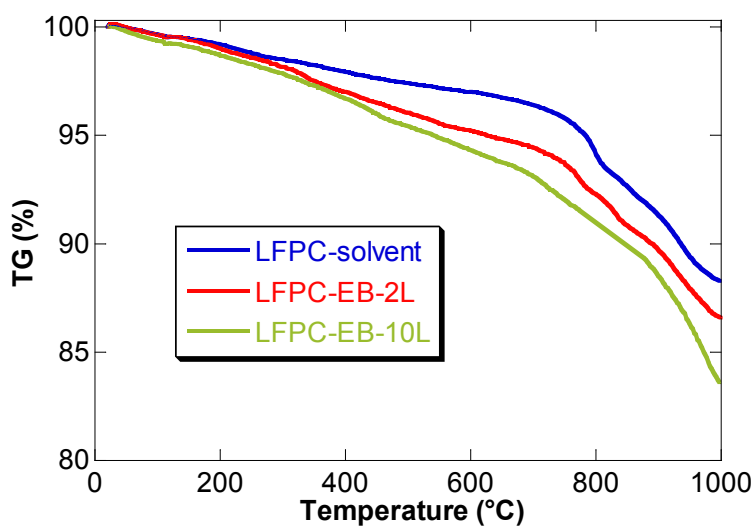
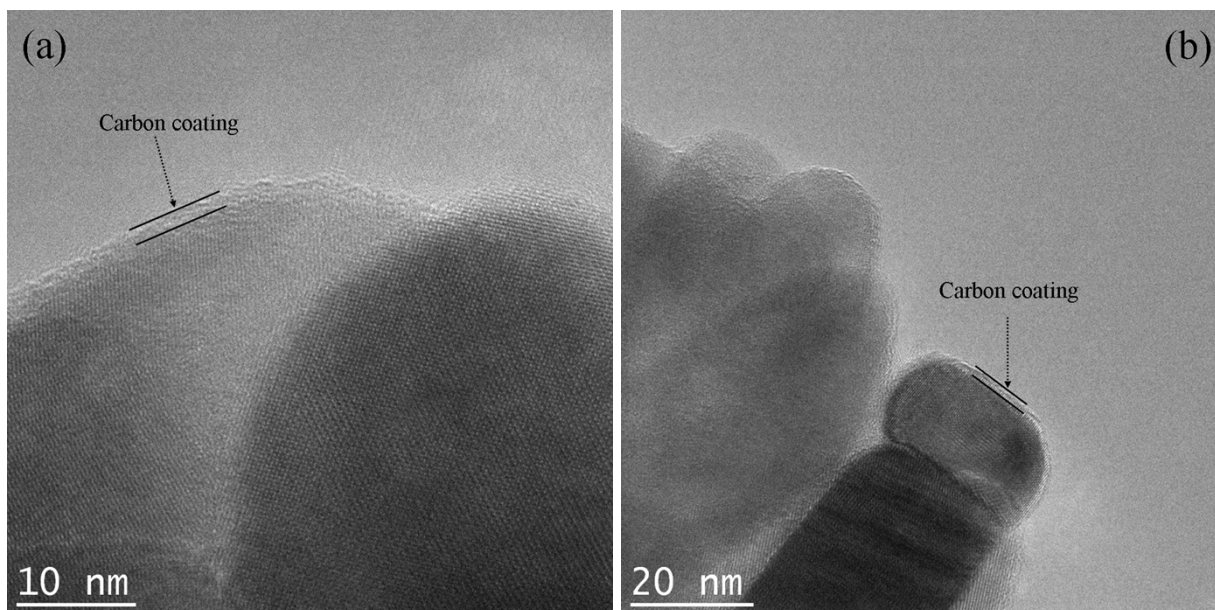


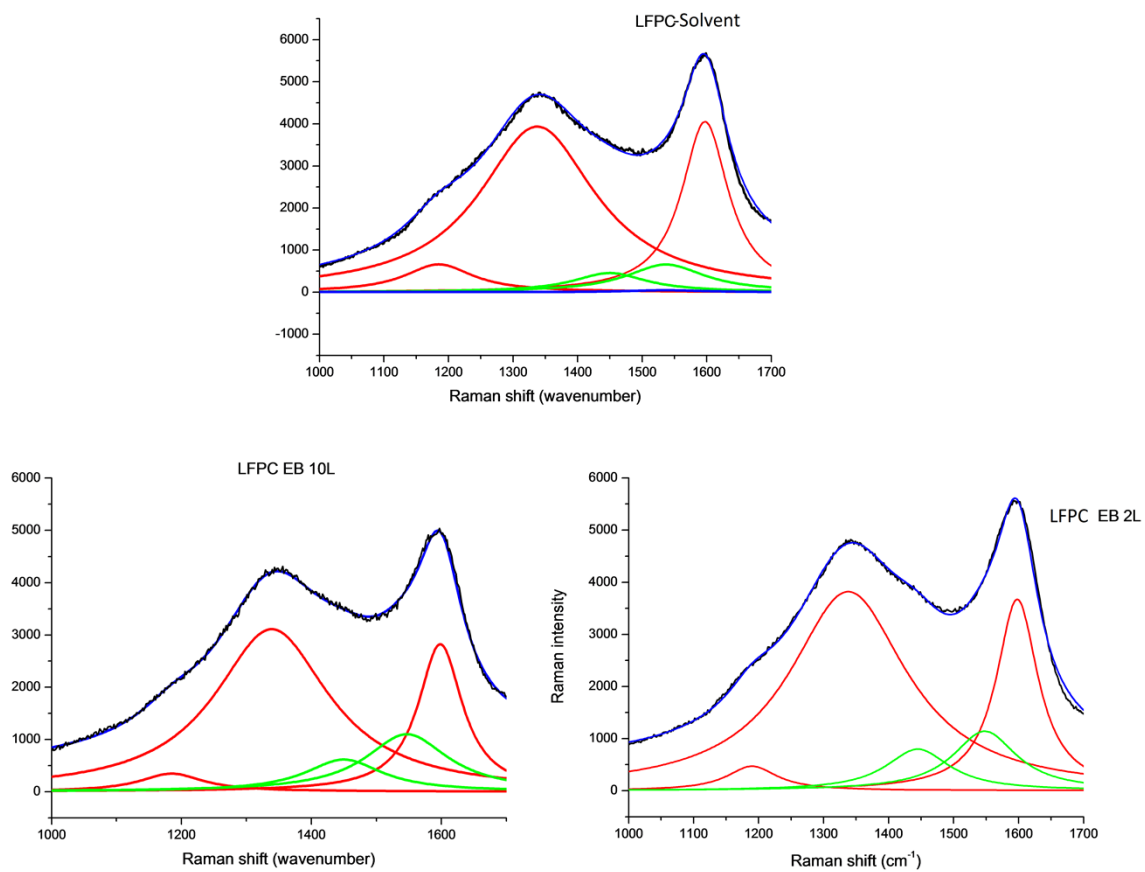
## Supplementary information



**Figure S1.** Thermogravimetric curves of LFPC-solvent, LFPC-EB-2L and LFPC-EB-10L.



**Figure S2.** HRTEM images of (a and b) pristine LFPC.



**Figure S3.** Comparison of the decomposition of the three Raman spectra excited at 633 nm obtained for LFPC-solvent, LFPC-EB-2L and LFPC-EB-10L.