

Supplementary Information

Novel binder-free electrode materials for supercapacitors utilizing high surface area carbon nanofibers derived from incompatible polymer blends of PBI/6FDA-DAM:DABA

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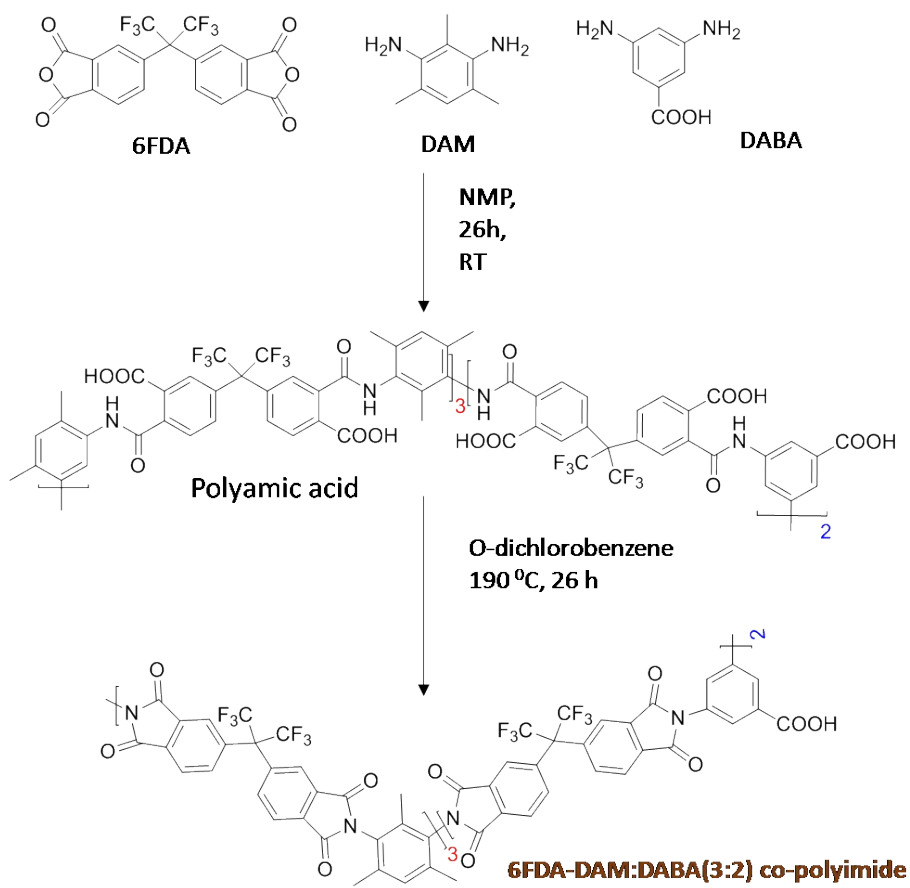


Fig.S1 Synthesis of 6FDA-DAM:DABA

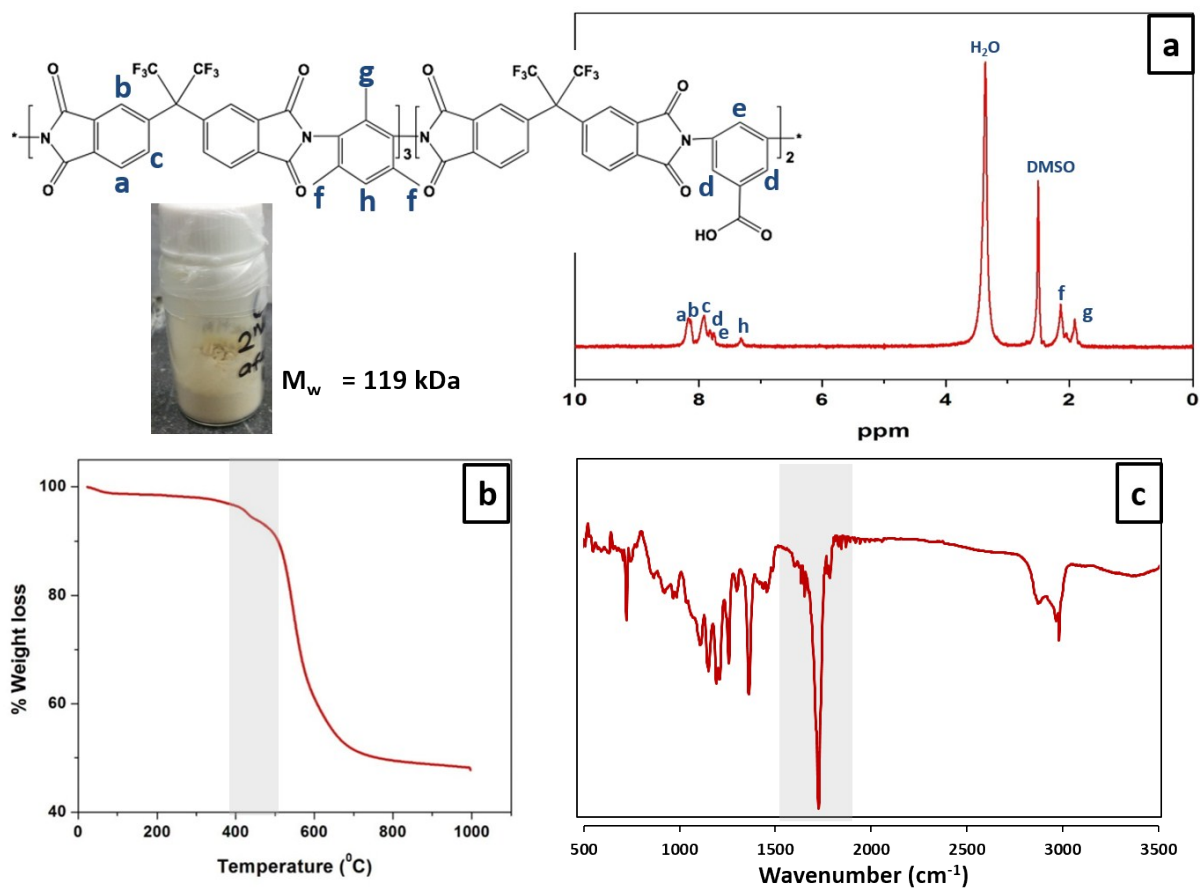


Fig. S2 Characterizations of 6FDA-DAM:DABA (a) NMR, (b)TGA and (c) FT-IR

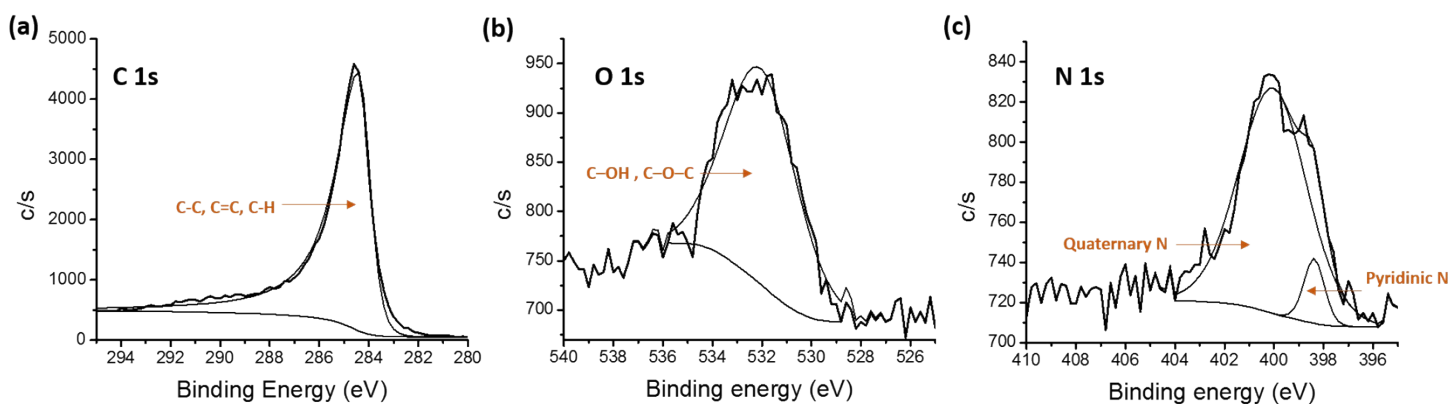


Fig. S3 High-resolution (a) C 1s, (b) O 1s, and (c) N 1s, XPS spectra of CNFs derived from PBI.

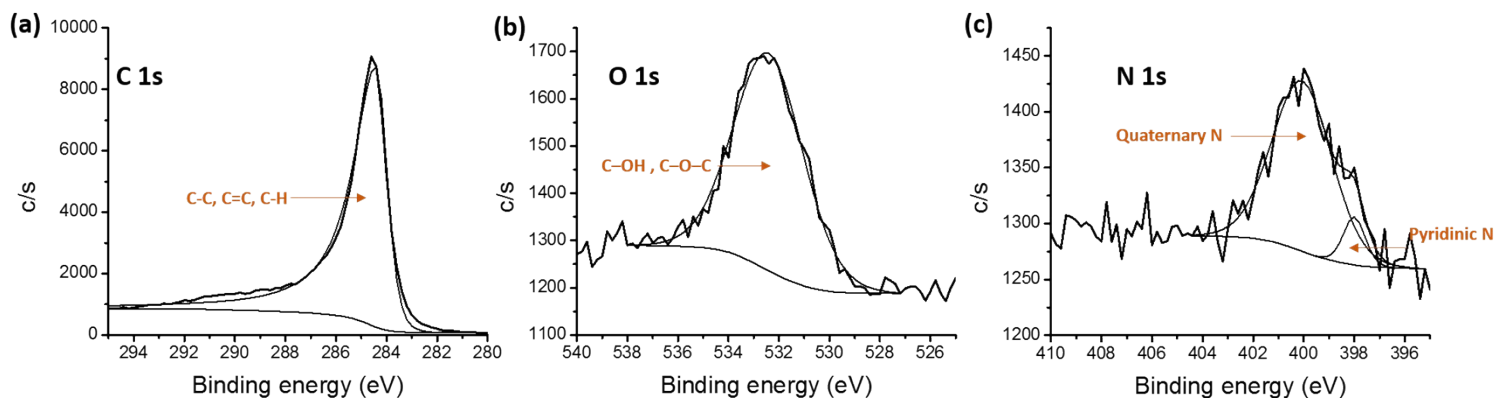


Fig. S4 High-resolution (a) C 1s, (b) O 1s, and (c) N 1s, XPS spectra of CNFs derived from PBI:6FDD(90:10).

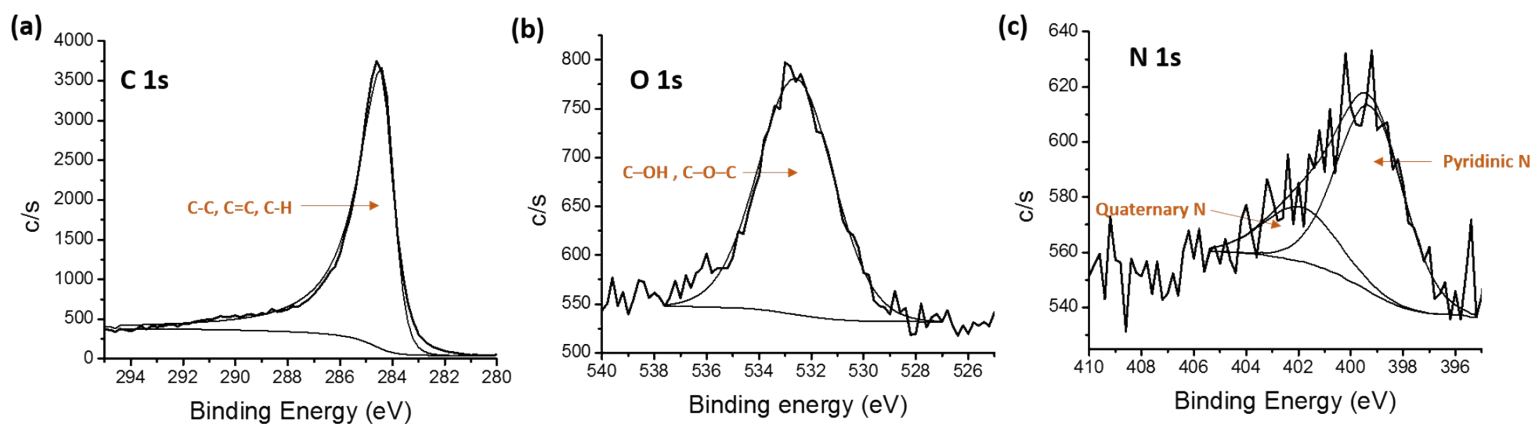


Fig. S5 High-resolution (a) C 1s, (b) O 1s, and (c) N 1s, XPS spectra of CNFs derived from PBI:6FDD(50:50).