Supporting Information

Facile Synthesis of Isotactic Polyacrylonitrile via Template Polymerization in Interlayer Space for Dielectric Energy Storage

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Figure S1. The molecular size of Acrylonitrile



Figure S2. (a) Real (ε_r') and (b) imaginary (ε_r'') parts of relative permittivity as a function of frequency at different temperatures for *iso*-PAN (mm = 0.93)



Figure S3. (a) Real (ε_r') and (b) imaginary (ε_r'') parts relative permittivity of PAN measured at 25°C at different frequencies.



Figure S4. Simulated molecular geometry of syndiotactic polyacrylonitrile tetramer using DMol3 calculation.



Figure S5. The sample preparation of *iso*-PAN.

Polymer Crystallinity

Crystallinity of the polymer was estimated using XRD experiment with monochromated Xray from Cu anode. The crystallinity of *iso*-PAN (mm = 0.93) and *ata*-PAN (mm = 0.26) were 60 % and 55 %, respectively, which did not change dramatically with the stereoregularity.