Electronic Supplementary Material (ESI) for Journal of Materials Chemistry C.

Supplementary Information for

Enhanced Electrocaloric Strength of P(VDF-TrFE-CFE) Induced by Edge-on Lamellae

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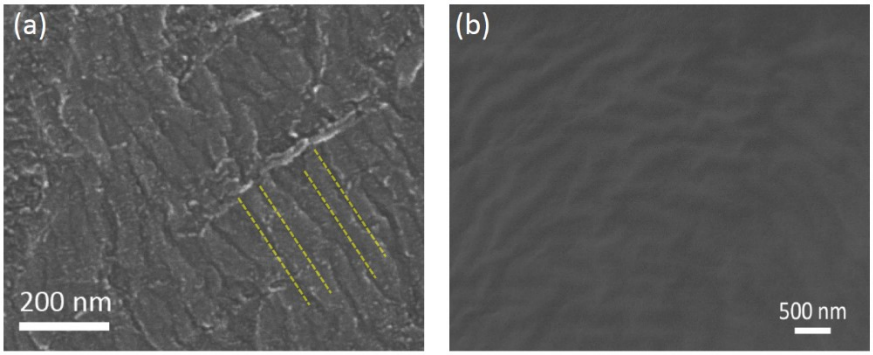

Figure S1. Surface SEM pictures of (a) treated terpolymer with edge-on lamellae; (b) pristine terpolymer.

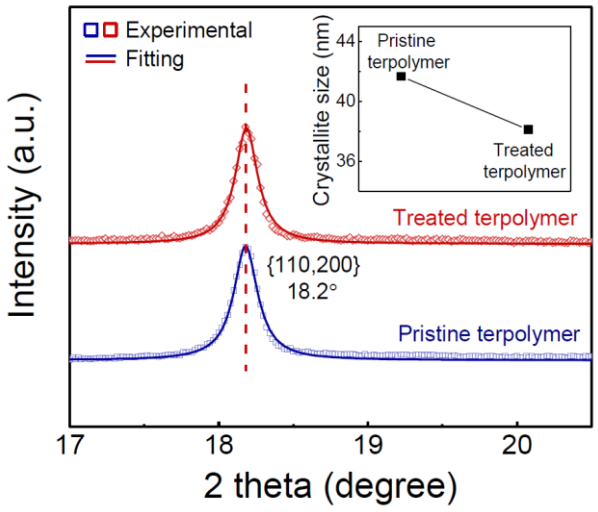

Figure S2. XRD patterns of the treated and pristine terpolymers.

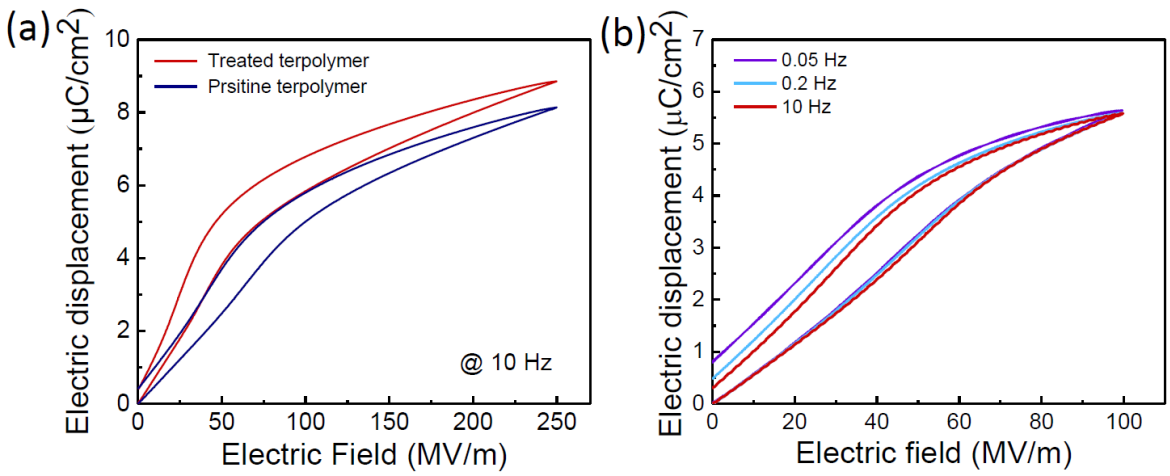

Figure S3. (a) The electric displacement-electric field (*D*-*E*) loops of the treated and pristine terpolymers; (b) the *D*-*E* loops of the treated terpolymer at different frequencies.

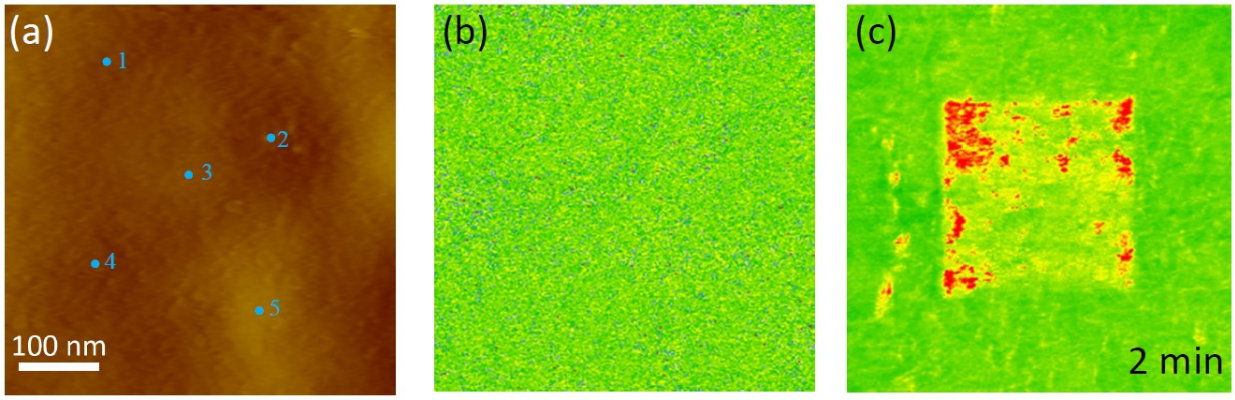

Figure S4. (a) Surface AFM image of the pristine terpolymer; (b) Phase degree pattern of initial state; (c) Phase degree pattern after poling.

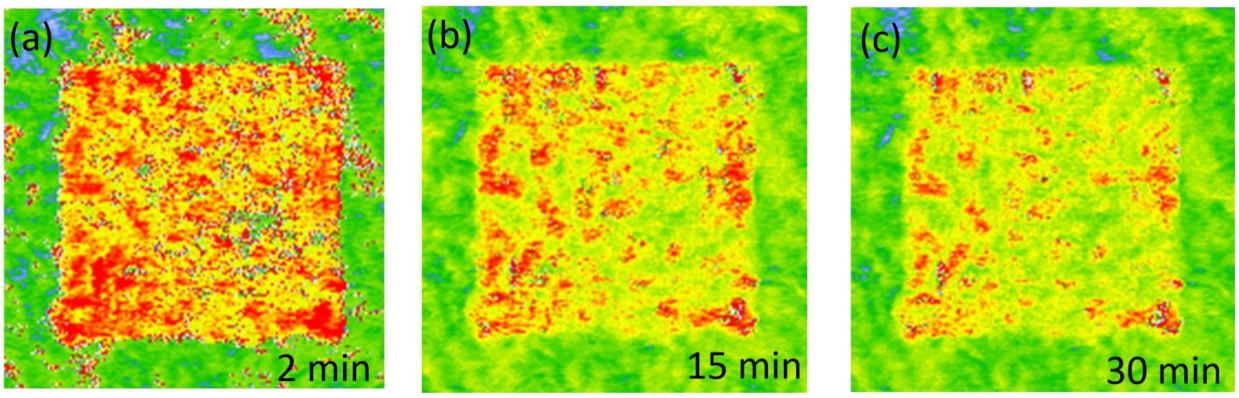

Figure S5. Relaxation behavior of the treated terpolymer.

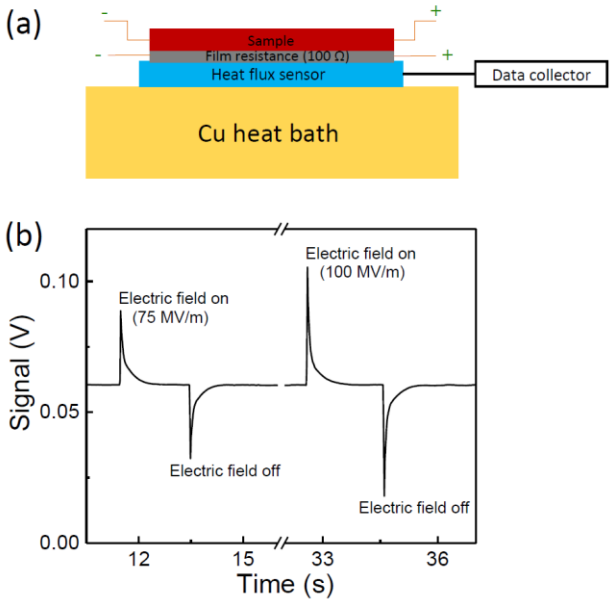

Figure S6. (a) Schematic diagrams of the EC effect measurement instrument based on a heat flux sensor and standard reference resister; (b) an example of measured EC effect signal where signals from both electric field on (heating) and off (cooling) are illustrated.