

Electronic supplementary information for

**Molecular ferroelectrics induced electroactive β -phase in
solution processed PVDF films for flexible piezoelectric
sensors**

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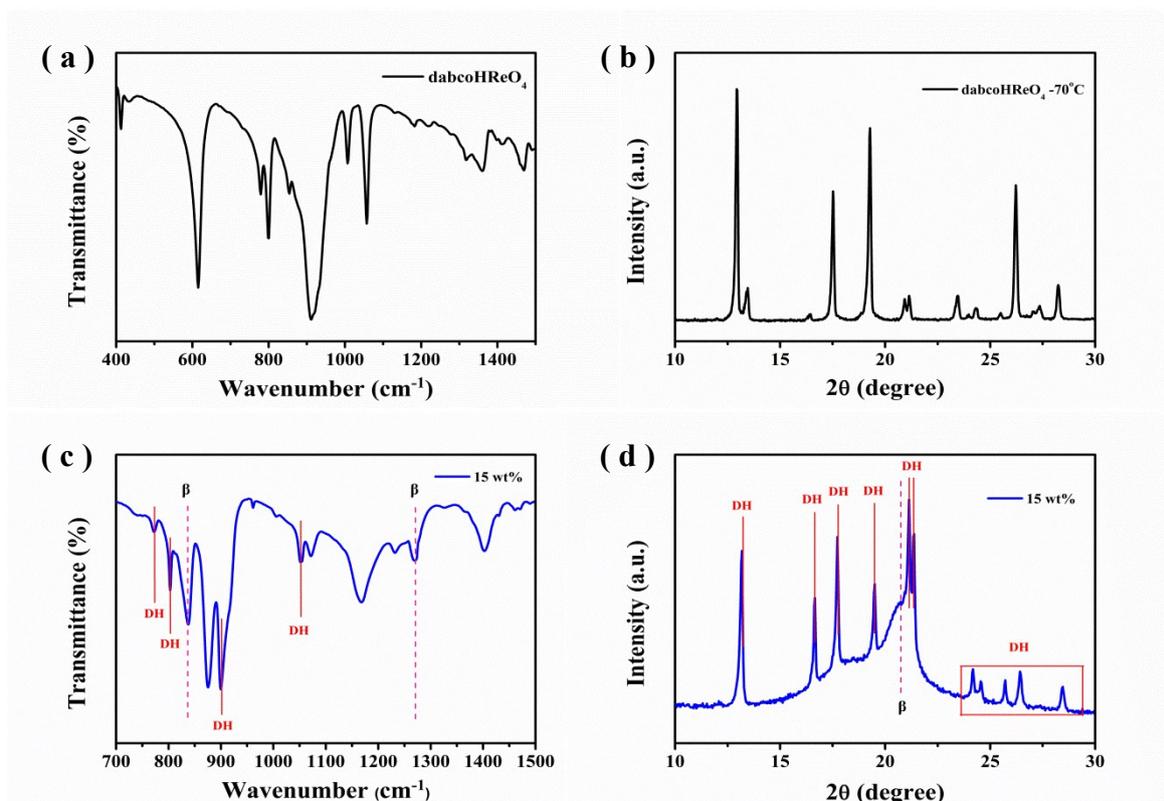


Figure S1. (a) (c) FT-IR spectra of the dabcoHReO₄ and the dabcoHReO₄-PVDF composite film (15 wt%). (b) (d) XRD patterns of the dabcoHReO₄ (at 70 °C) and the dabcoHReO₄-PVDF composite film (15 wt%)

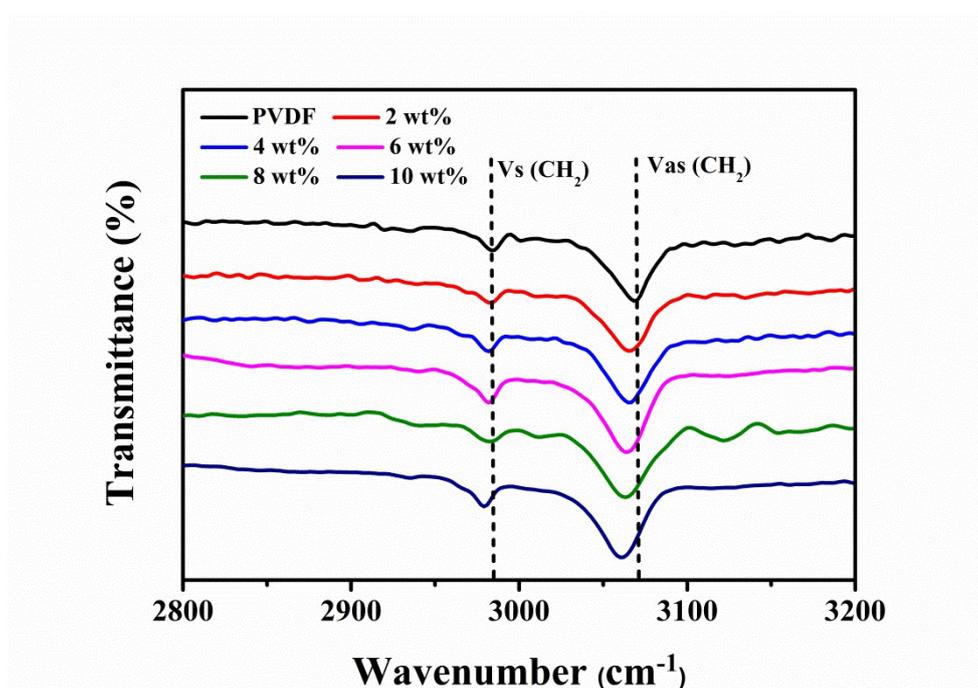


Figure S2. FT-IR spectra of the pure PVDF film and the dabcoHReO₄-PVDF composite films with different DH loadings in the region of 2800-3200 cm⁻¹.

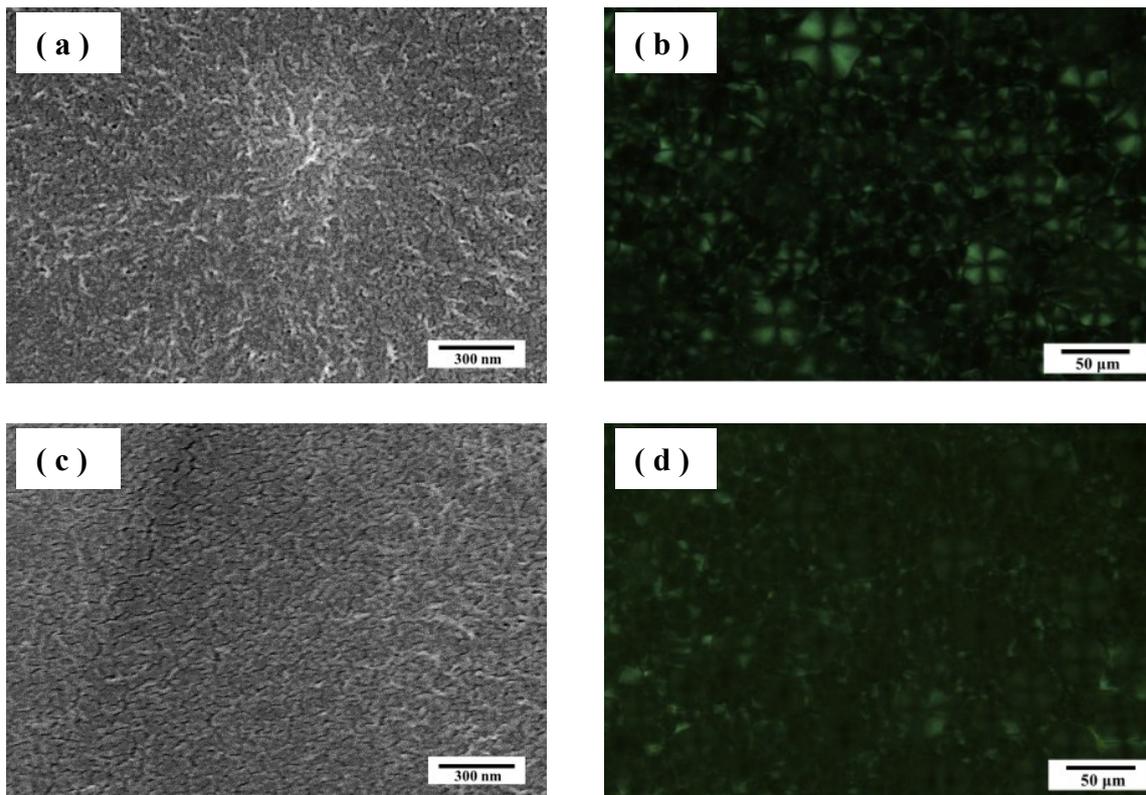


Figure S3. (a) SEM image of the dabcoHReO₄-PVDF composite film (2 wt%) at 300 nm scale. (b) POM image of the dabcoHReO₄-PVDF composite film (2 wt%) at 50 μm scale. (c) SEM image of the dabcoHReO₄-PVDF composite film (6 wt%) at 300 nm scale. (d) POM image of the dabcoHReO₄-PVDF composite film (6 wt%) at 50 μm scale.

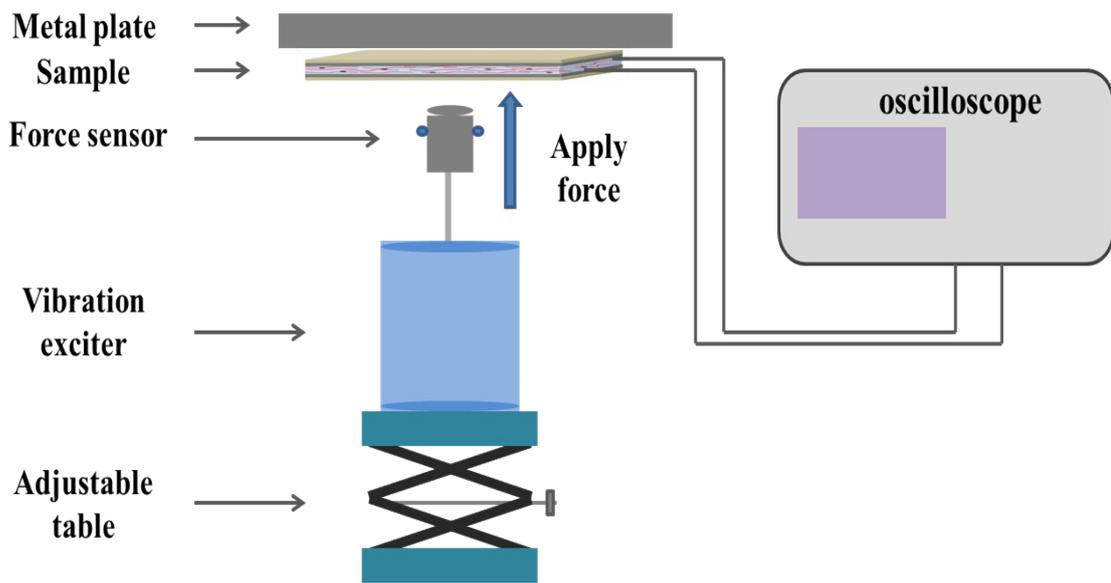


Figure S4. The simple experimental schematic illustration of measuring piezoelectric sensors under the periodical mechanical force.

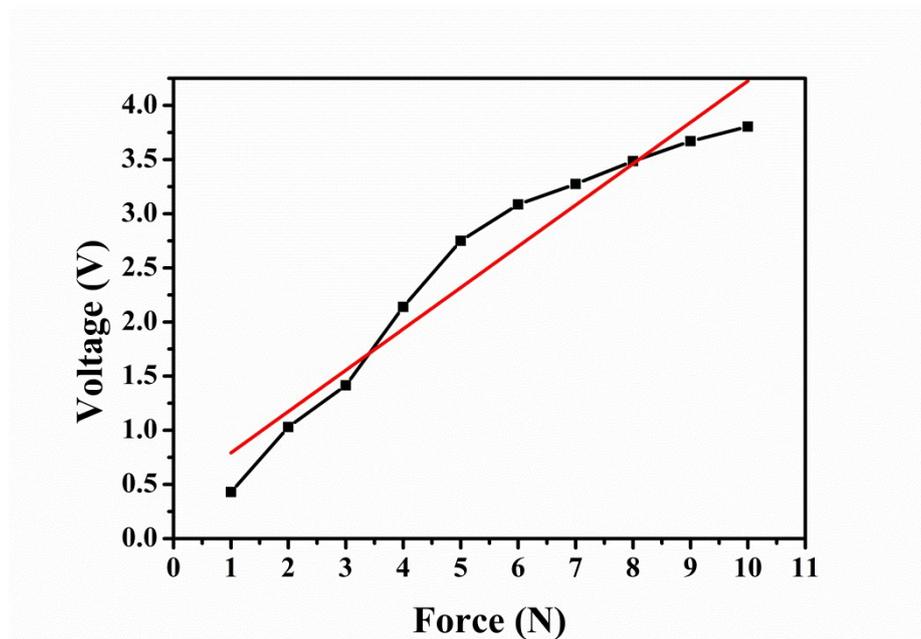


Figure S5. The linear fitting of experiment data (the relationship between the average output voltage and the applied force under a given frequency of 8Hz).