

## Article

# Significant Interfacial Dielectric Relaxation of Covalently Bonded Ice-Hydrogels

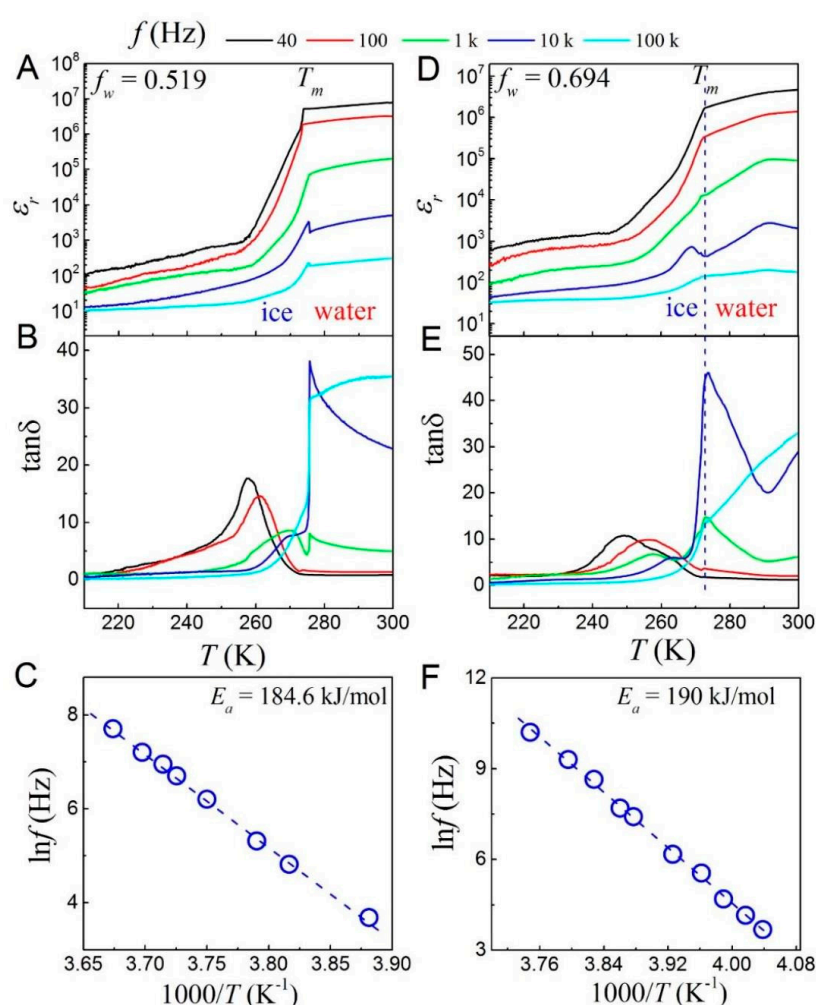
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## Supplementary Materials



**Figure S1.** (A) and (D) measured dielectric constant  $\epsilon_r$  as a function of temperature  $T$ ; (B) and (E) measured loss  $\tan \delta$  as a function of temperature  $T$  function, they are all measured data from the heating program at several frequencies starting at 200 K. (C) and (F) evaluated  $T_{max}$  versus  $f$ , from which the activation energy  $E_a$  was calculated by the Arrhenius equation. Figures (A), (B) and (C) are hydrogels with  $f_w = 0.519$ ; Figures (D), (E) and (F) are hydrogels with  $f_w = 0.694$ .