

The study of pH effects on phase transition of multi-stimuli responsive P(NiPAAm-co-AAc) hydrogel using 2D-COS

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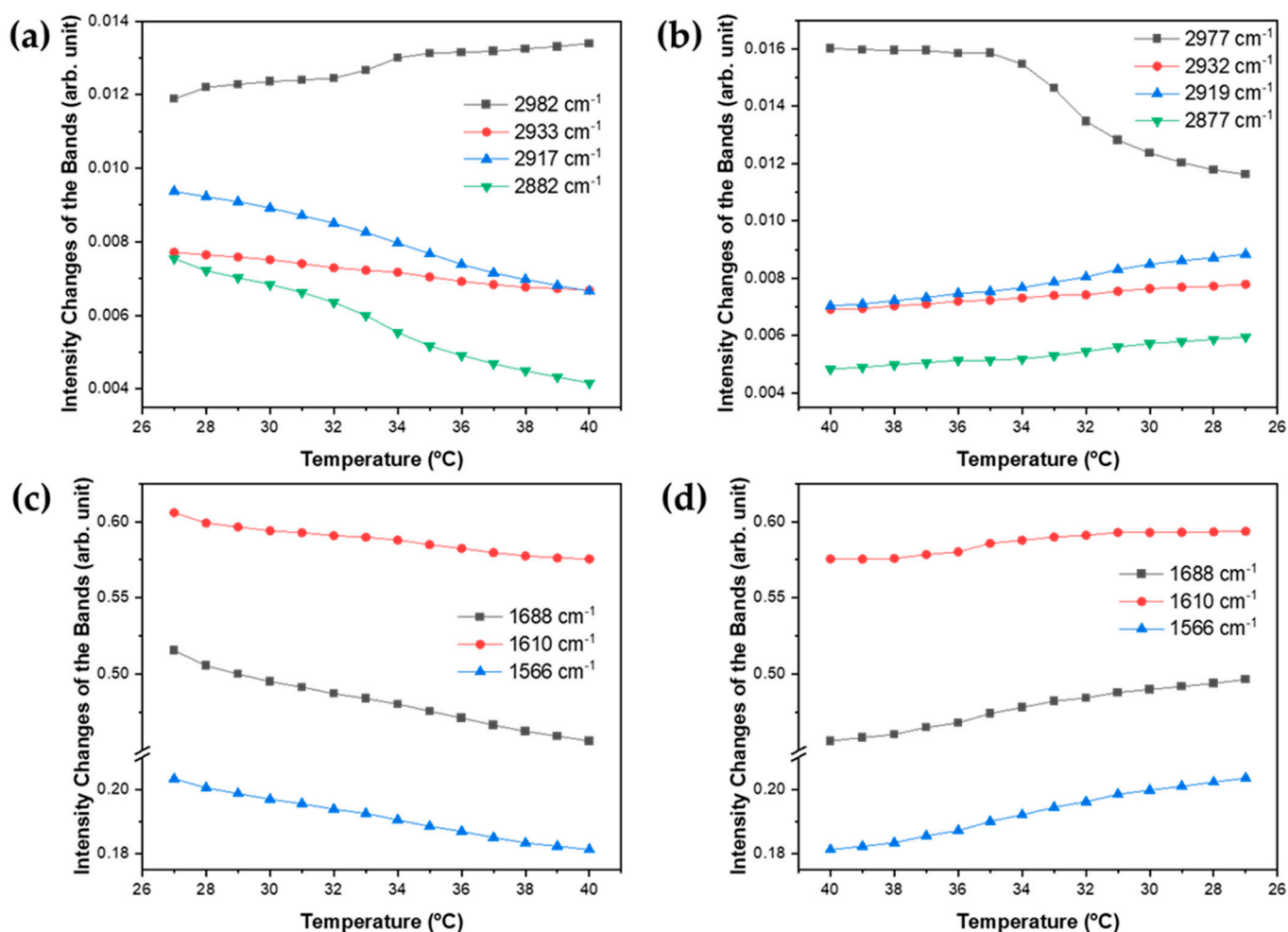


Figure S1. Intensity changes of the bands in two spectral regions (a,b: 3010-2850 and c,d: 1800-1480 cm⁻¹) of P(NiPAAm-co-AAc) hydrogel at pH4 during the heating (a, c) and cooling (b, d) processes.

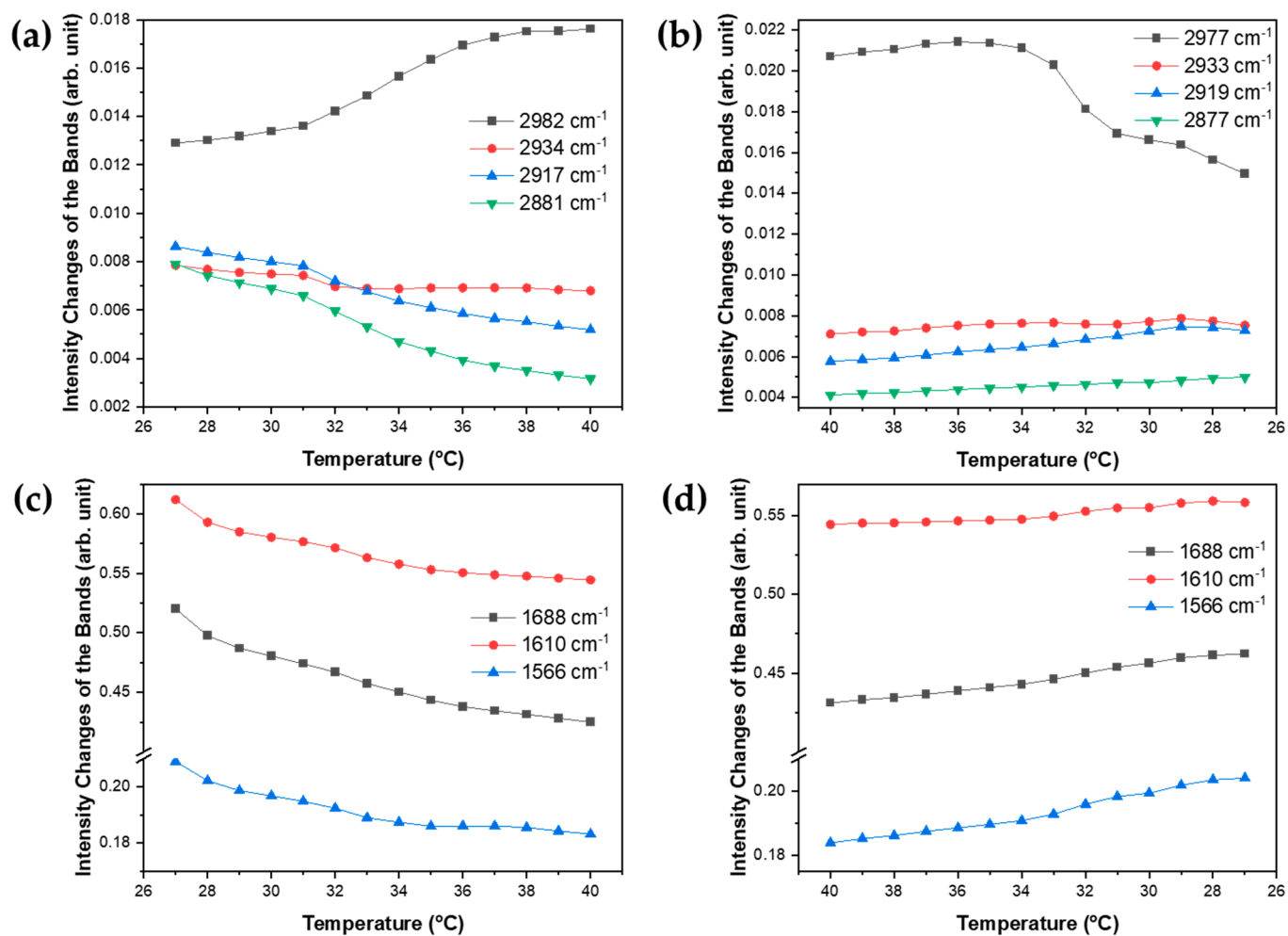


Figure S2. Intensity changes of the bands in two spectral regions (a,b: 3010-2850 and c,d: 1800-1480 cm⁻¹) of P(NPAAm-co-AAc) hydrogel at pH3 during the heating (a, c) and cooling (b, d) processes.

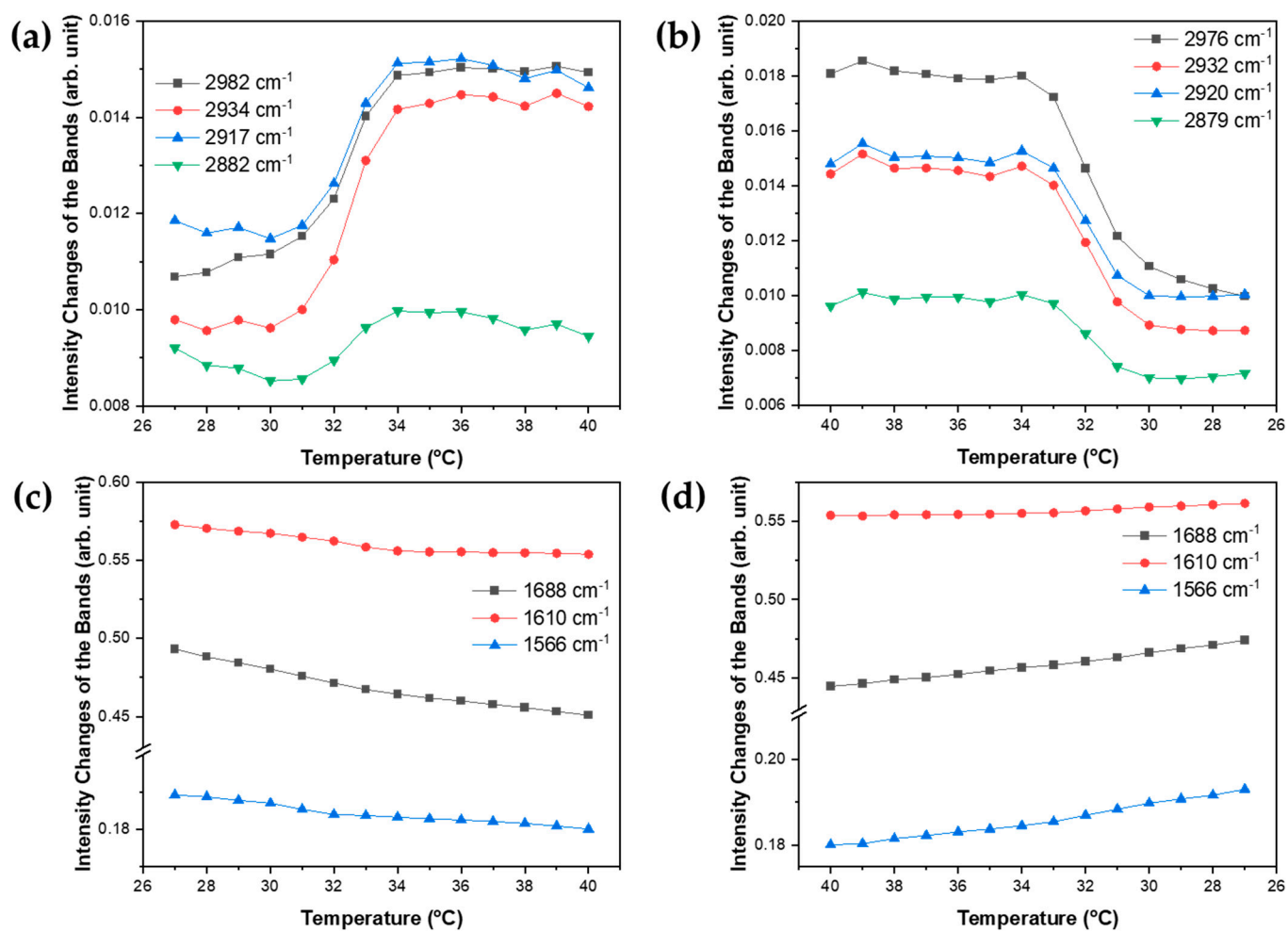


Figure S3. Intensity changes of the bands in two spectral regions (a,b: 3010-2850 and c,d: 1800-1480 cm^{-1}) of P(NPAAm-co-AAc) hydrogel at pH2 during the heating (a, c) and cooling (b, d) processes.

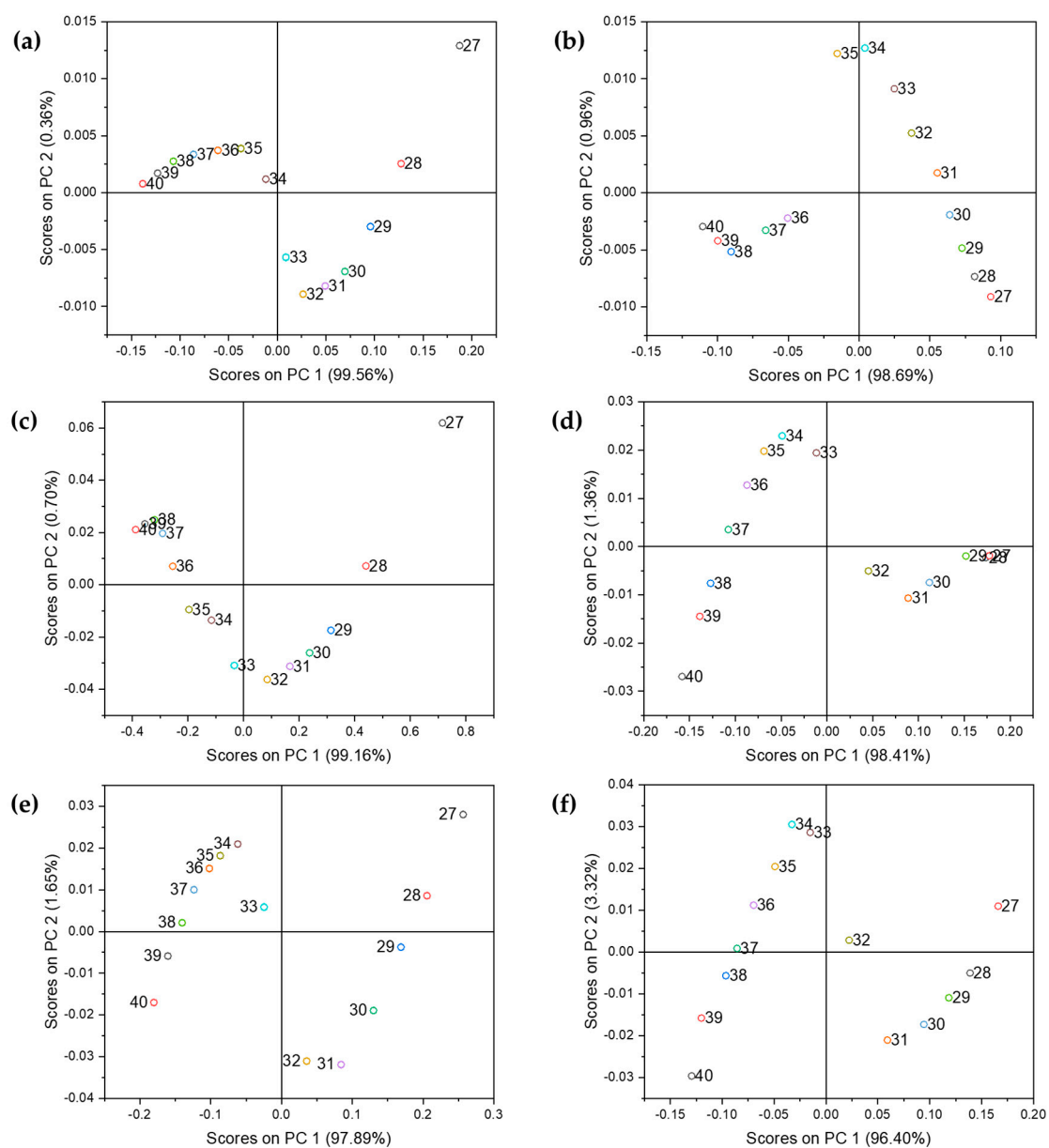


Figure S4. Score plots of the first two PCs of P(NiPAAm-co-AAc) hydrogel at pH4 (a,b), 3 (c,d), and 2 (e,f) during the heating (a,c,e) and cooling (b,d,f) processes.