

Supporting Information to

Unusual Thermal Phase Transition Behavior of the Ionic Liquid and Poly Ionic Liquid in Water with Significantly Different LCST and Dynamic Mechanism

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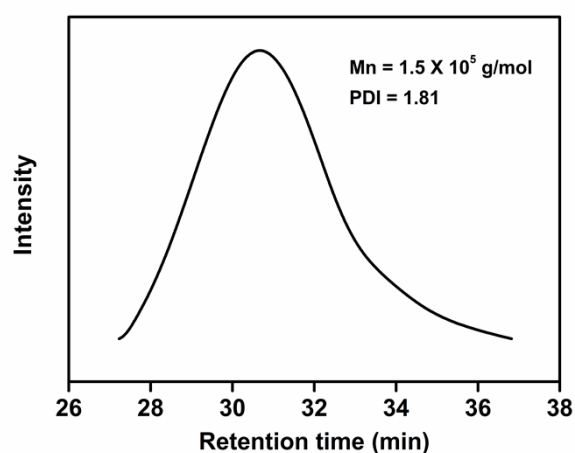


Fig. S1 The number-average molecular weight (M_n) and polydispersity index ($PDI = M_w/M_n$) of the synthetic P[P_{4,4,4,4}][SS].

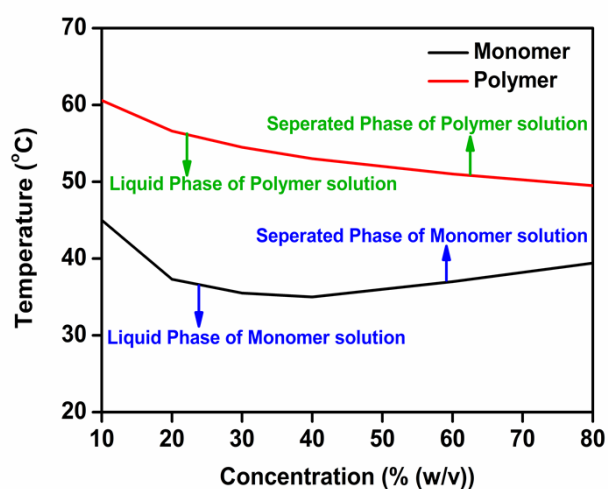


Fig. S2 Phase diagram of Temperature vs. concentration for both monomer and polymer in water according to the DSC results.

