

Supporting Information

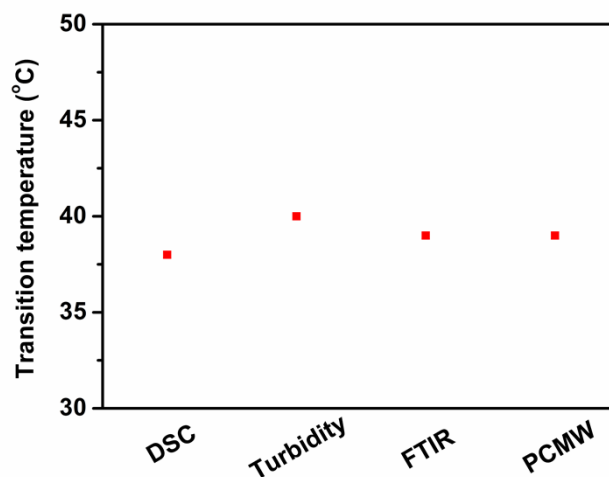


Fig. S1 Transition temperature obtained from different measurements.

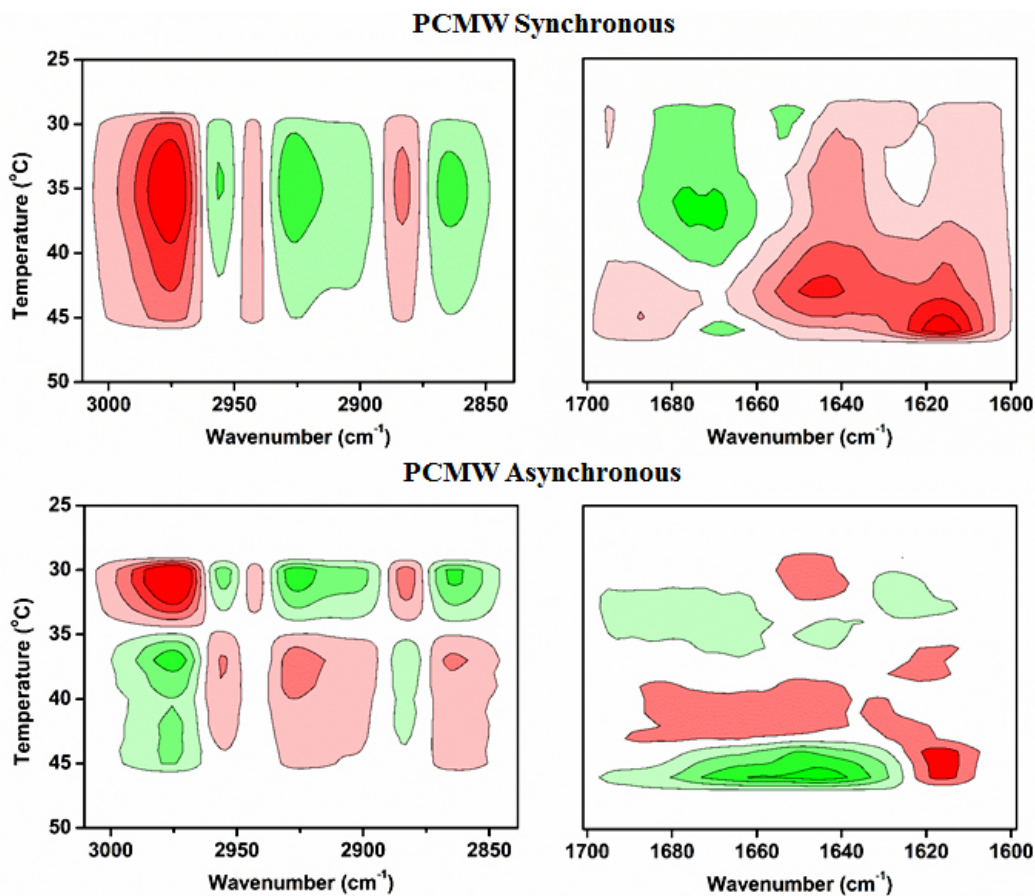


Fig. S2 PCMW synchronous and asynchronous spectra of [P_{4,4,4,4}][SS]-BSA-D₂O solution between 25 and 50 °C during cooling. Red colors are defined as positive intensities, whereas green colors are defined as negative intensities.

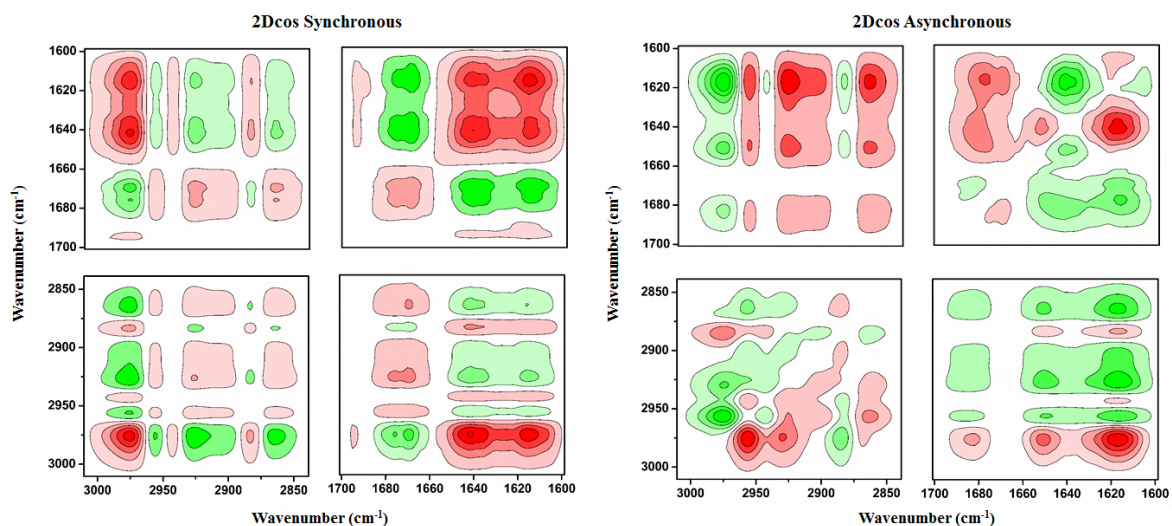


Fig. S3 2DCOS synchronous and asynchronous spectra of $[P_{4,4,4,4}][SS]$ -BSA- D_2O solution during cooling between 25 and 50 °C. Red colors are defined as positive intensities, while green colors as negative ones.