

Supplementary Information

A facile one-pot strategy for preparation of small polymer nanoparticles by self-crosslinking of amphiphilic block copolymers containing acyl azide groups in aqueous media

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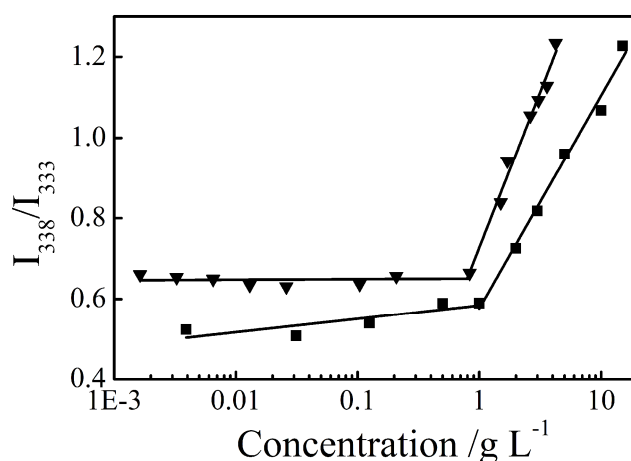


Fig. S1 Plot of I_{338}/I_{333} as a function of the copolymers concentration, CMC for N34A6 (solid triangle) is 0.89 mg/mL, for N113A6 (solid rectangle) is 0.99 mg/mL, [Pyrene] = 1×10^{-7} mol/L

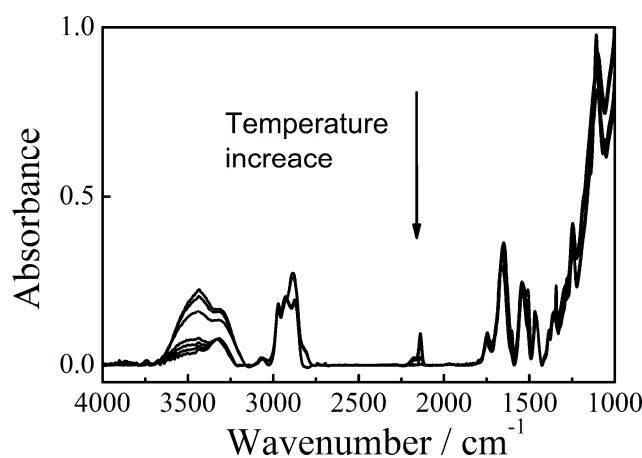


Fig. S2 FT-IR spectra of copolymer N34A6 with the temperature increasing slowly.

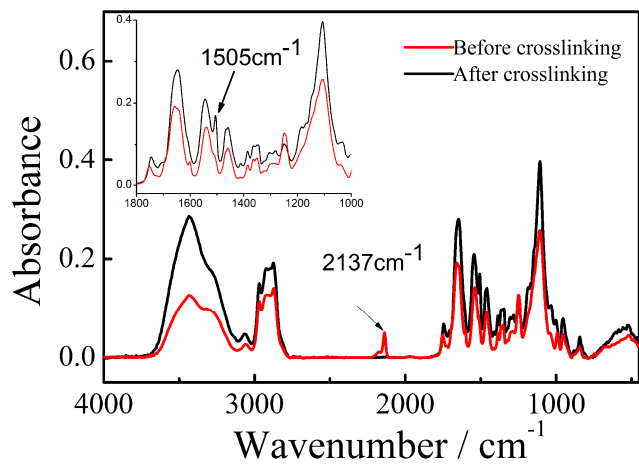


Fig. S3 FT-IR spectra of copolymer N34A6 before crosslinking and the corresponding crosslinked nanoparticles.

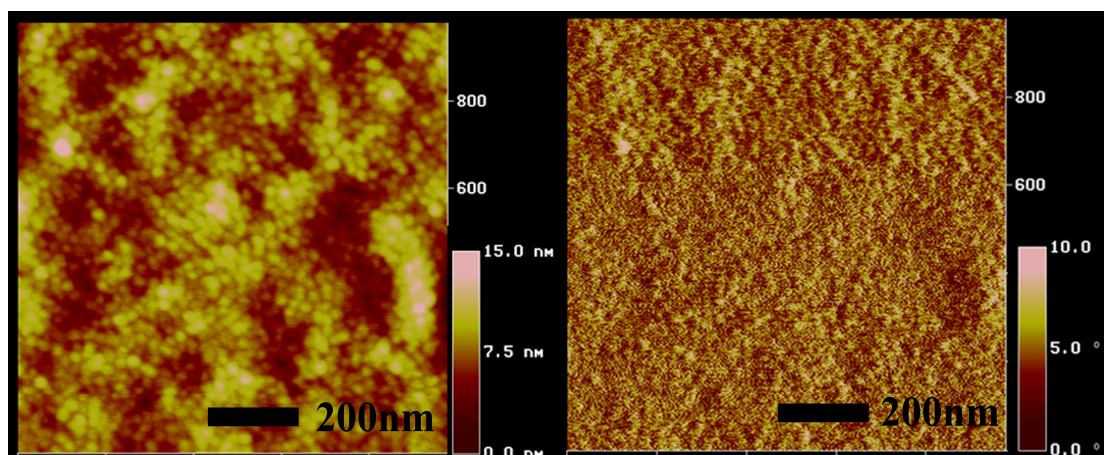


Fig. S4 AFM images of the micelles formed from copolymer N34A6 after slow heating to 80 $^{\circ}\text{C}$ in water (1 mg/mL), the left is height image and the right is phase image.