Electronic Supporting Information

Thermally Adaptive Iohexol-loaded Microcages for Local Computerized Tomography

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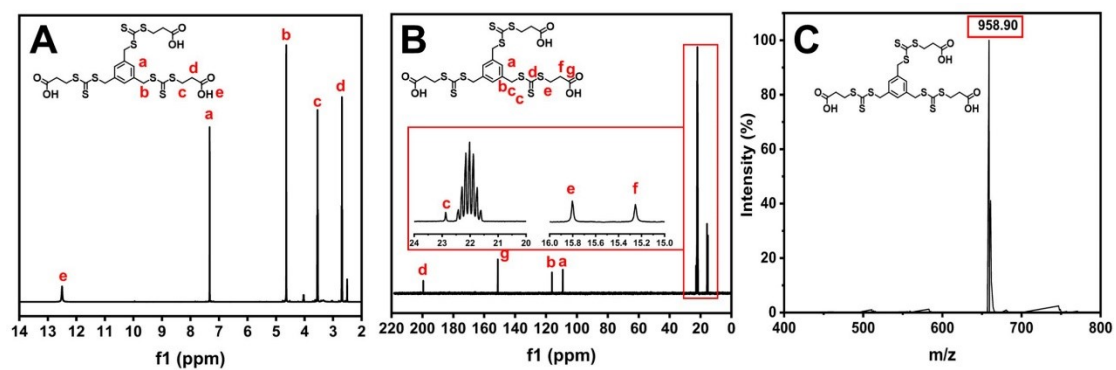
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Associate Professor Hao Li; Tel: +86-20-39314813; Fax: +86-20-39314813
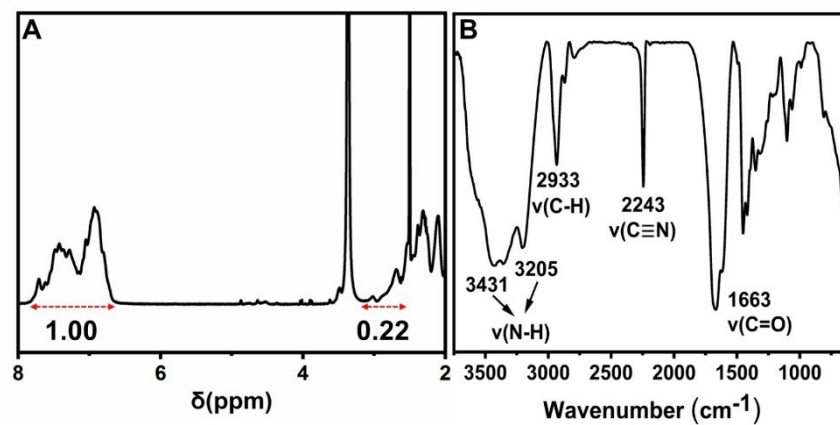
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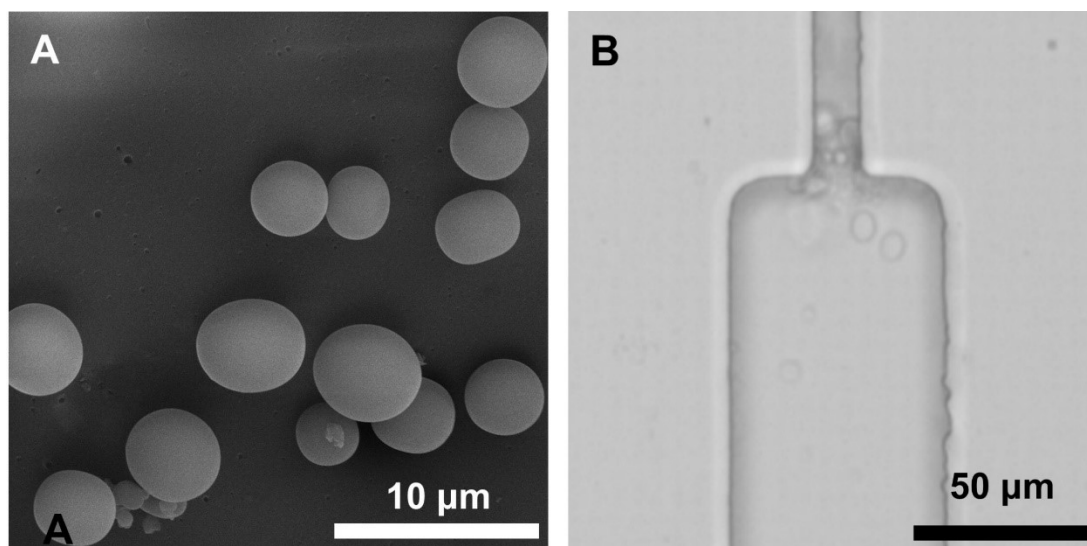§These authors contributed equally to this work.

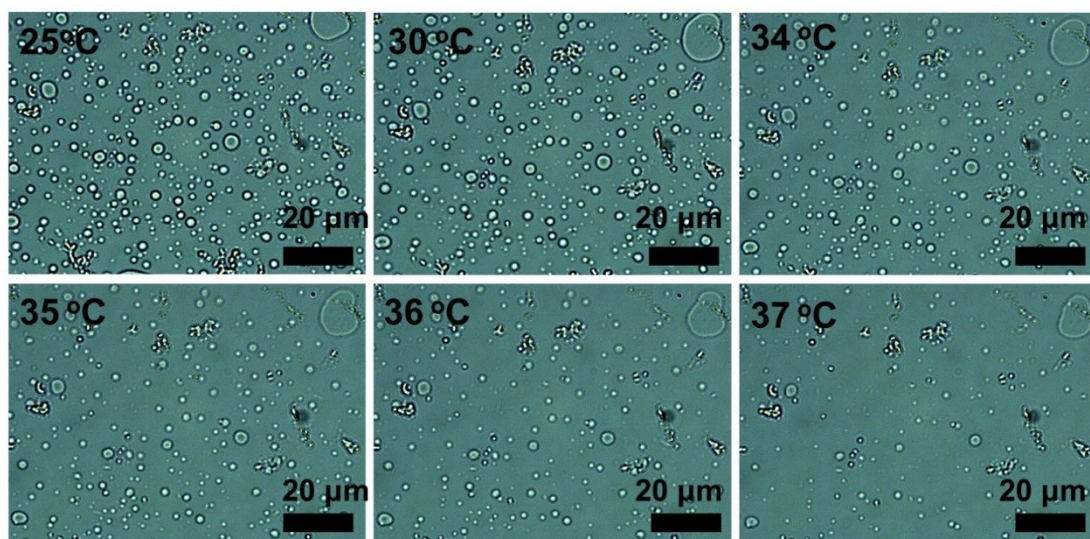**Figure S1**. ^{1}H-NMR (A), ^{13}C-NMR (B), and mass spectra (C) of chain transfer agent (CTA).

Figure S2. ^{1}H-NMR (A) and Fourier transform infrared spectra (FT-IR) (B) of the resulting P(AAm-*co*-AN) copolymer.

Figure S3. SEM morphology in lyophilized state (A), and optical image in aqueous solution (B) of the resulting P(AAm-*co*-AN) microcages (MCs).

Figure S4. Optical images of the resulting P(AAm-co-AN) MCs at different temperature.
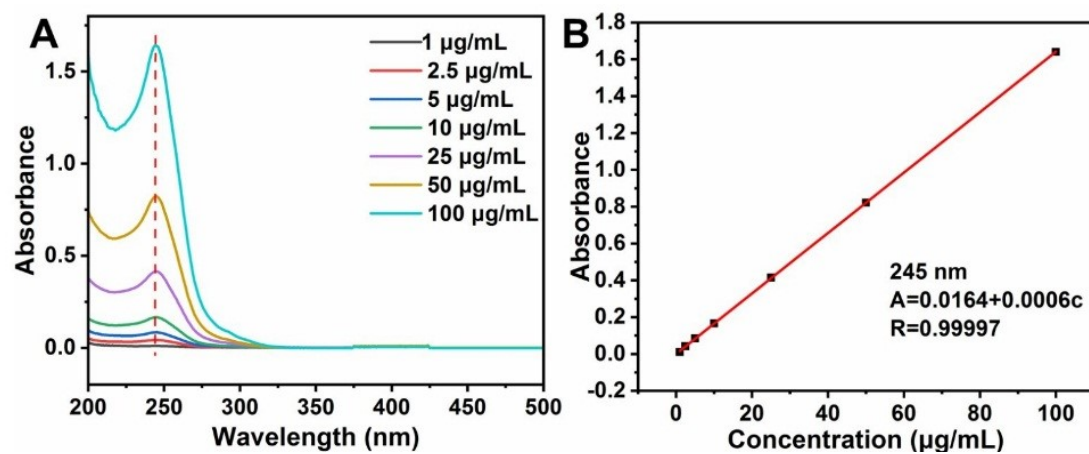
Figure S5. UV-Vis absorption spectra of aqueous iohexol solution with different concentrations at 200~400 nm (A) and corresponding standard curve at the maximum absorption peak of 245 nm (B).

Table S1. Physicochemical properties of the resulting P(AAm-*co*-AN) copolymer.

Sample	Mn(g/mol)	Mw(g/mol)	PDI
	36959	77252	1.99
P(Aam-co-AN)	**AN(%)**	**AAm(%)**	**UCST(°C)**
	81.97	18.03	27.9