

Supporting Information (SI)

Anisotropic Nano-/Microparticles from Diversified Copolymers by Solvent-Mediated Self-Assembly

Bin Wang,[†] Lingyun Jia,[‡] Fawei Wang,[†] Yufeng He,^{*,†} Pengfei Song[†] and Rongmin Wang^{*,†}

[†]Key Laboratory of Eco-functional Polymer Materials of Ministry of Education, Institute of Polymer, College of Chemistry & Chemical Engineering, [‡]College of Life Sciences, Northwest Normal University, Lanzhou 730070, China. *Corresponding author: Tel/Fax.: +86-931-7970358; E-mail: wangrm@nwnu.edu.cn

The Supporting Information (SI) file is of table and figures, 1 table and 6 figures:

- ✧ **Table S1.** Recipe for synthesis of StAPs-A and its comparative experiments.
- ✧ **Figure S1.** Digital photos of different emulsions.
- ✧ **Figure S2.** SEM images of StAPs-2a.
- ✧ **Figure S3.** SEM images of StAPs-a, StAPs-b, StAPs-c, StAPs-d, StAPs-e and StAPs-f.
- ✧ **Figure S4.** SEM images of StAPs-1w and StAPs-2w.
- ✧ **Figure S5.** FT-IR spectra of StAPs.
- ✧ **Figure S6.** ¹H-NMR spectra of StAPs-A.

Table S1. Recipe for synthesis of StAPs-A and its comparative experiments.

No.	Step 1				Step 2		
	MAA (g)	MMA (g)	BA (g)	EtOH/H ₂ O (mL/mL)	St (g)	BA (g)	PVP (%) /H ₂ O (mL)
StAPs-A	0.75	1.25	1.00	30/10	1.67	0.33	0.15/20
StAPs-a	/	1.25	1.00	30/10	1.67	0.33	0.15/20
StAPs-b	0.75	/	1.00	30/10	1.67	0.33	0.15/20
StAPs-c	/	/	1.00	30/10	1.67	0.33	0.15/20
StAPs-d	/	1.25	/	30/10	1.67	0.33	0.15/20
StAPs-e	0.75	1.25	1.00	30/10	1.67	/	0.15/20
StAPs-f	0.75	1.25	1.00	30/10	/	0.33	0.15/20

Cond: Ms: MAA/MMA/BA=0.75/1.25/1.00

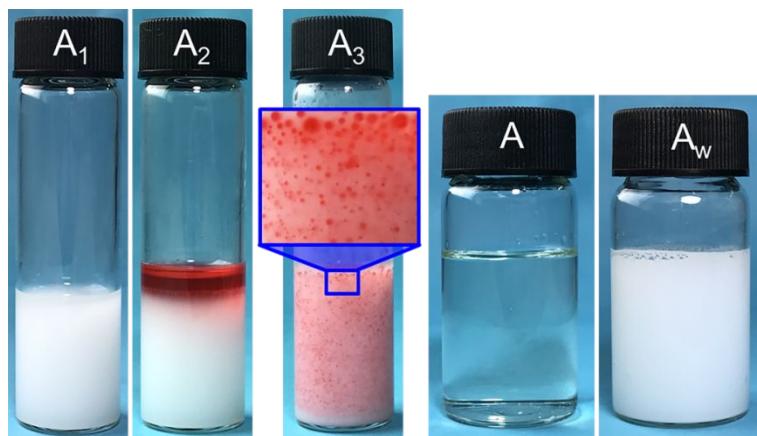


Figure S1. Digital photos of different emulsions (StAPs seed emulsion (A₁) with adding quantitative monomers (St, BA) and marked by Sudan III (A₂), and being fully shaked (A₃); StAPs seed solution (A); StAPs-1w seed emulsion (A_w)).

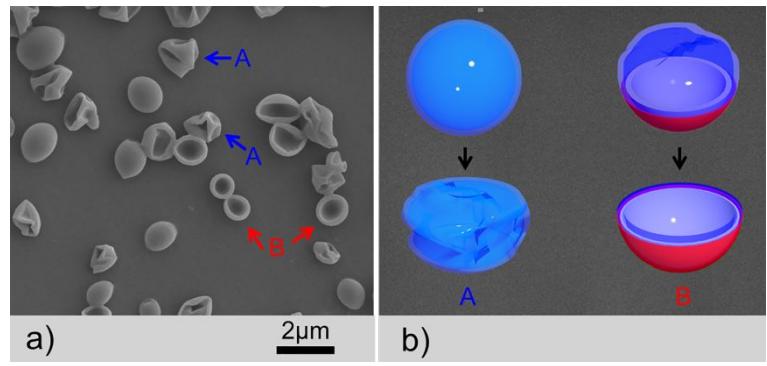


Figure S2. SEM images of StAPs-2a, which is the upper centrifugation separated from StAPs-2 (a); The formation process of StAPs-2a with different morphologies (b).

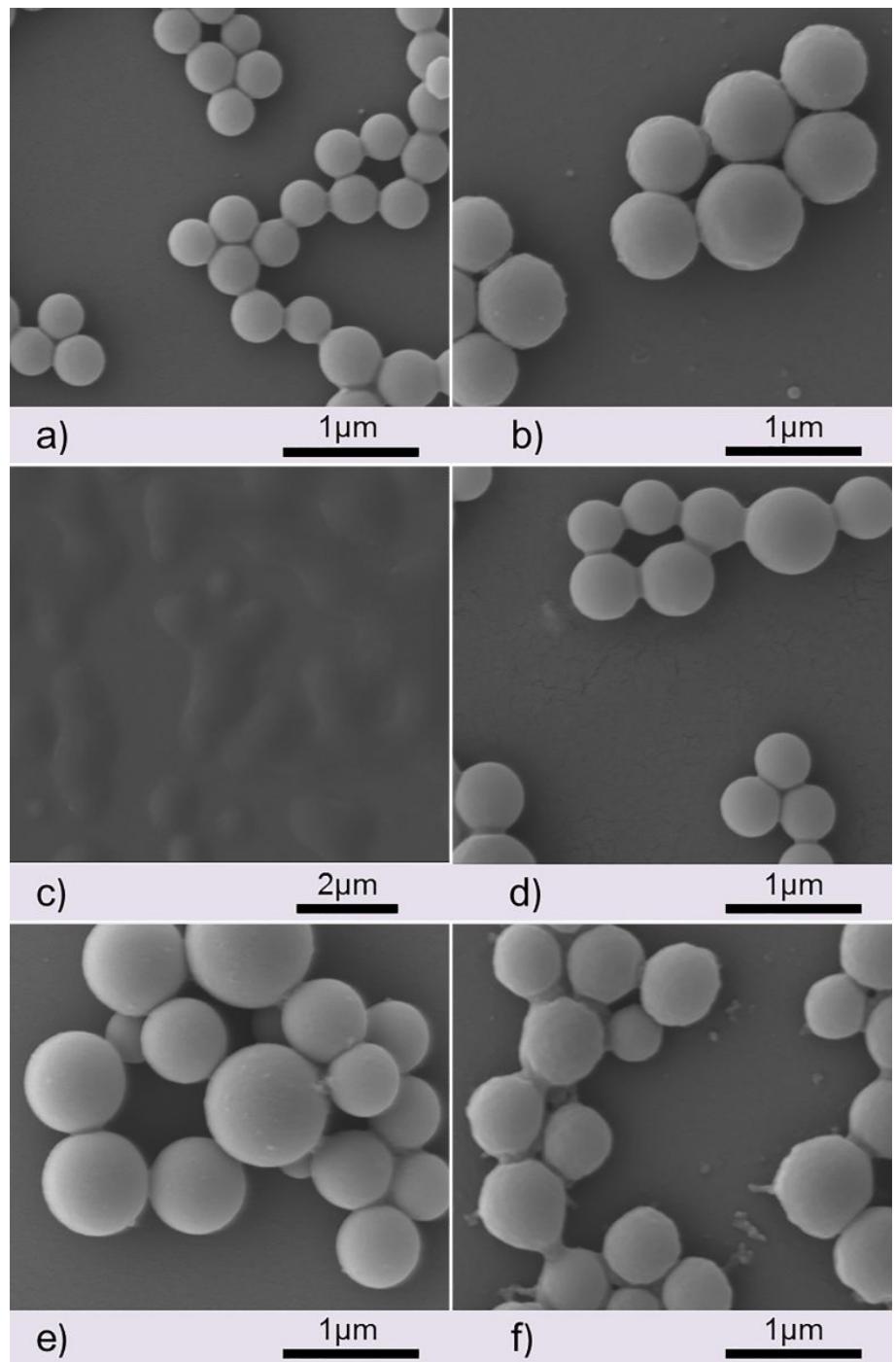


Figure S3. SEM images of StAPs-a (a), StAPs-b (b), StAPs-c (c), StAPs-d (d), StAPs-e (e) and StAPs-f (f).

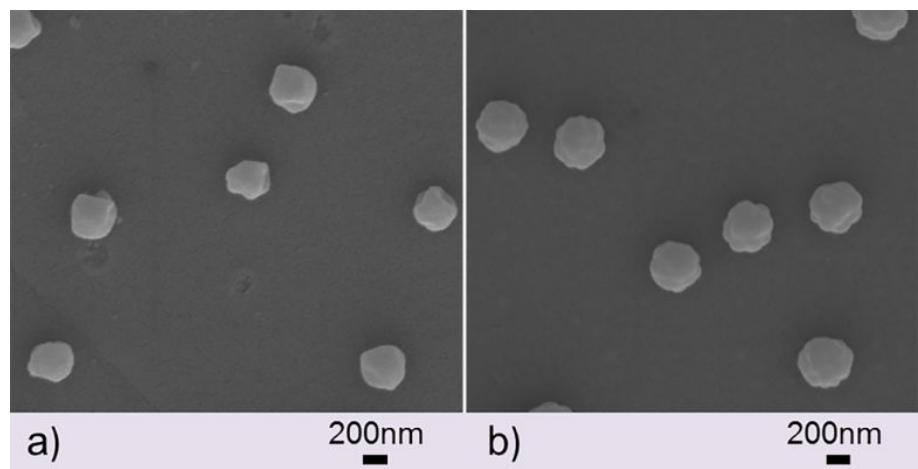


Figure S4. SEM Images of StAPs-1w (a) and StAPs-2w (b).

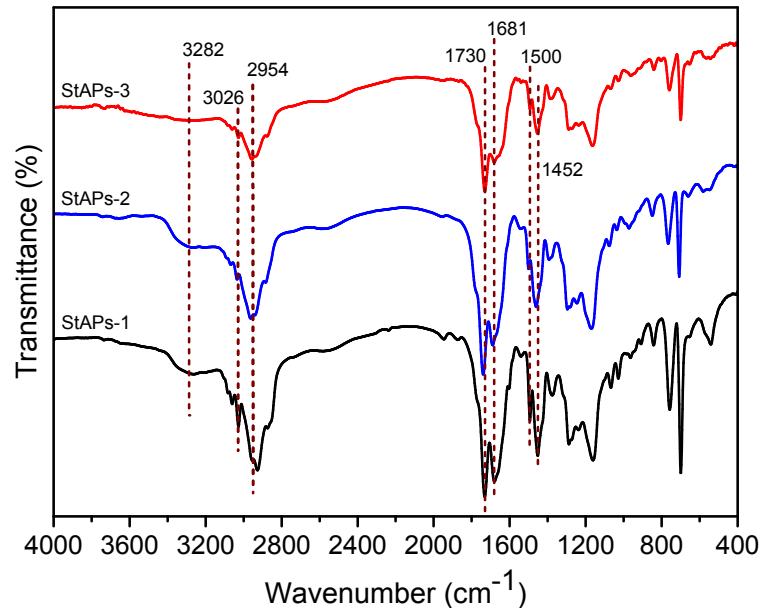


Figure S5. FT-IR spectra of StAPs.

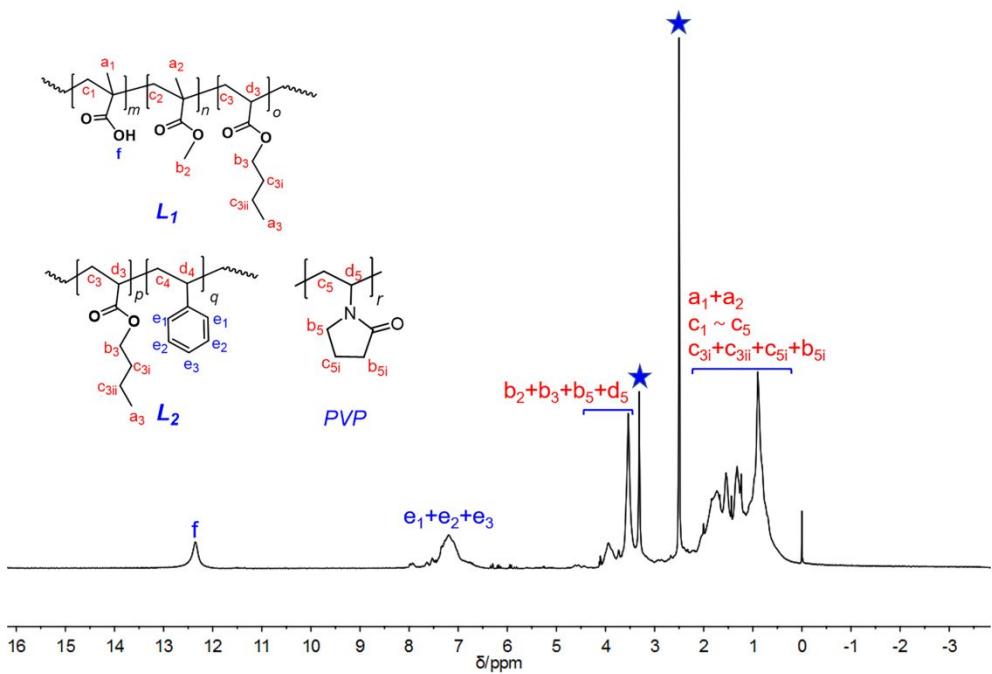


Figure S6. ^1H -NMR spectra of StAPs-A (recorded in DMSO-d_6).