

SUPPORTING INFORMATION

Carboxyl-Functionalized Polymeric Microspheres prepared by One-stage Photoinitiated RAFT Dispersion Polymerization

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ADDITIONAL RESULTS

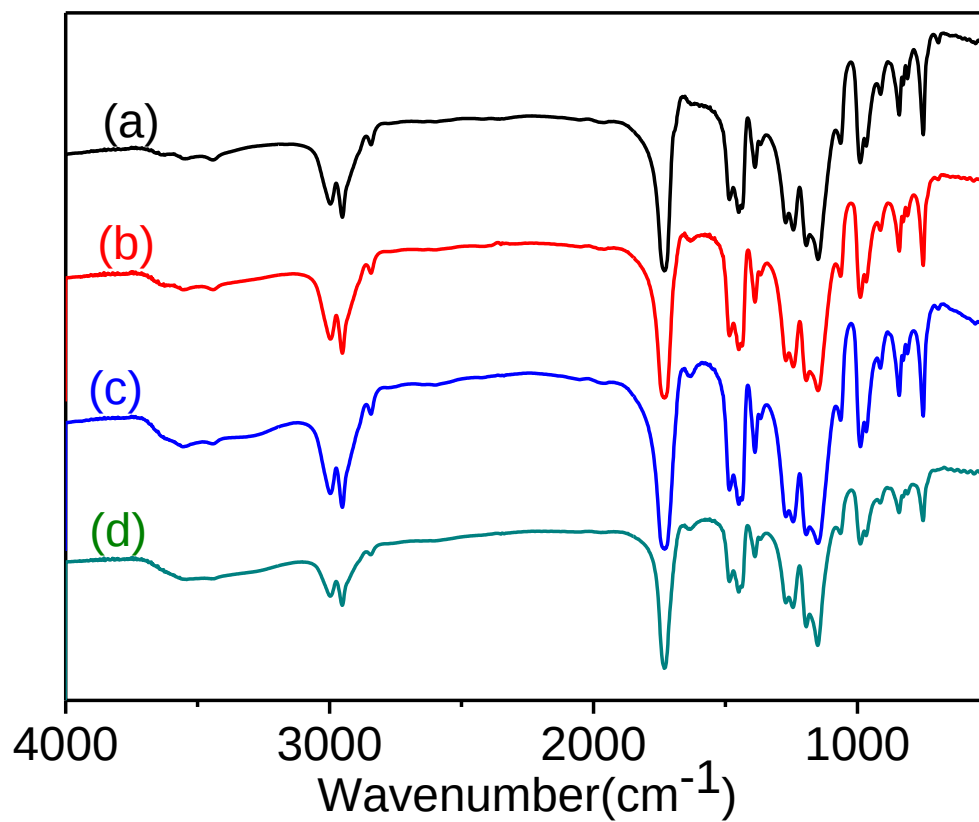


Figure S1. IR spectra of polymeric microspheres prepared via photoinitiated RAFT dispersion polymerization of MMA and MAA with different amounts of MAA: (a) 0 wt%, (b) 2 wt%, (c) 6 wt%, (d) 10 wt%.

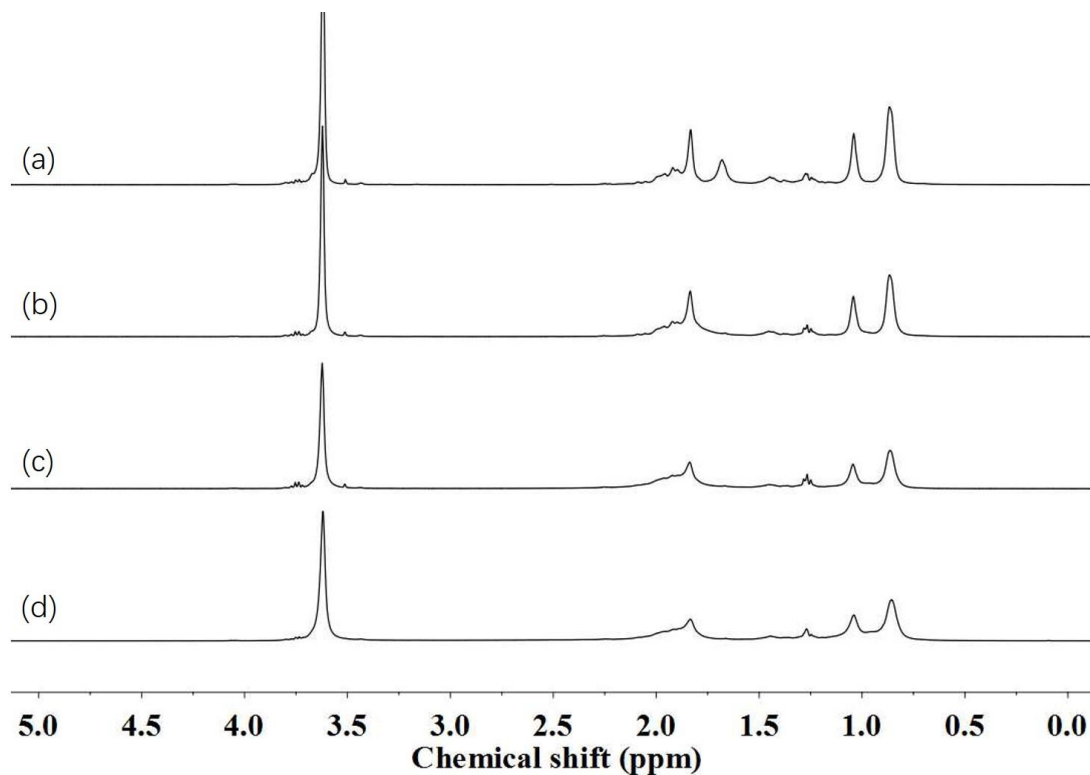


Figure S2. ^1H NMR spectra (in CDCl_3) of polymeric microspheres prepared via photoinitiated RAFT dispersion polymerization of MMA and MAA with different amounts of MAA: (a) 0 wt%, (b) 2 wt%, (c) 6 wt%, (d) 10 wt%.

Table S1. Synthesis and characterization data for polymeric microspheres prepared by photoinitiated RAFT dispersion polymerization of MMA.

Entry number	MMA wt %	MAA wt %	HMPP wt %	BDMAT wt %	PVP wt %	ethanol/water w/w	M_n (g/mol)	M_w/M_n
1	10	0	3	0.5	15	40/60	7200	3.6
2	10	2	3	0.5	15	40/60	13300	2.4
3	10	6	3	0.5	15	40/60	12600	1.9
4	10	10	3	0.5	15	40/60	15000	2.2
5	10	2	3	0.25	15	40/60	7700	3.1
6	10	2	3	0.75	15	40/60	5600	2.2
7	10	6	3	0.25	15	40/60	19900	2.0
8	10	6	3	0.75	15	40/60	6400	1.9