

Electronic supplementary information

Poly(glycerol monomethacrylate)-encapsulated upconverting nanoparticles prepared by miniemulsion polymerization: Morphology, chemical stability, antifouling properties and toxicity evaluation

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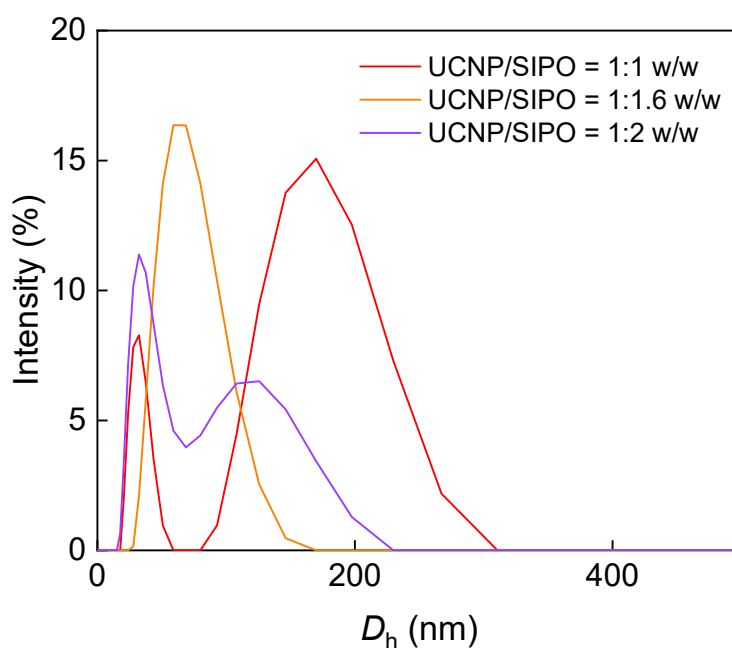


Figure S1. UCNP@SIPO particle size distribution in chloroform at UCNP/SIPO ratio (a) 1:1, (b) 1:1.6 and (c) 1:2 w/w according to DLS.

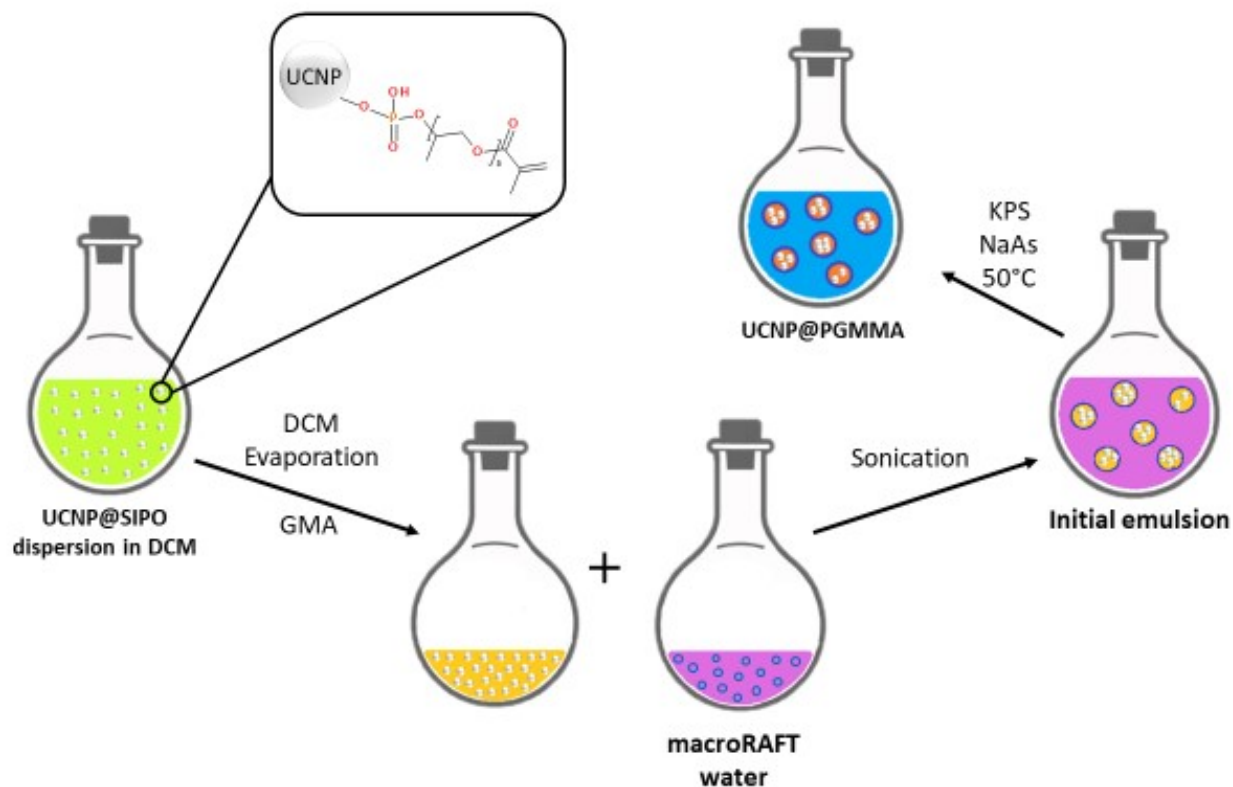


Figure S2. RAFT miniemulsion polymerization of GMA in the presence of UCNPs.

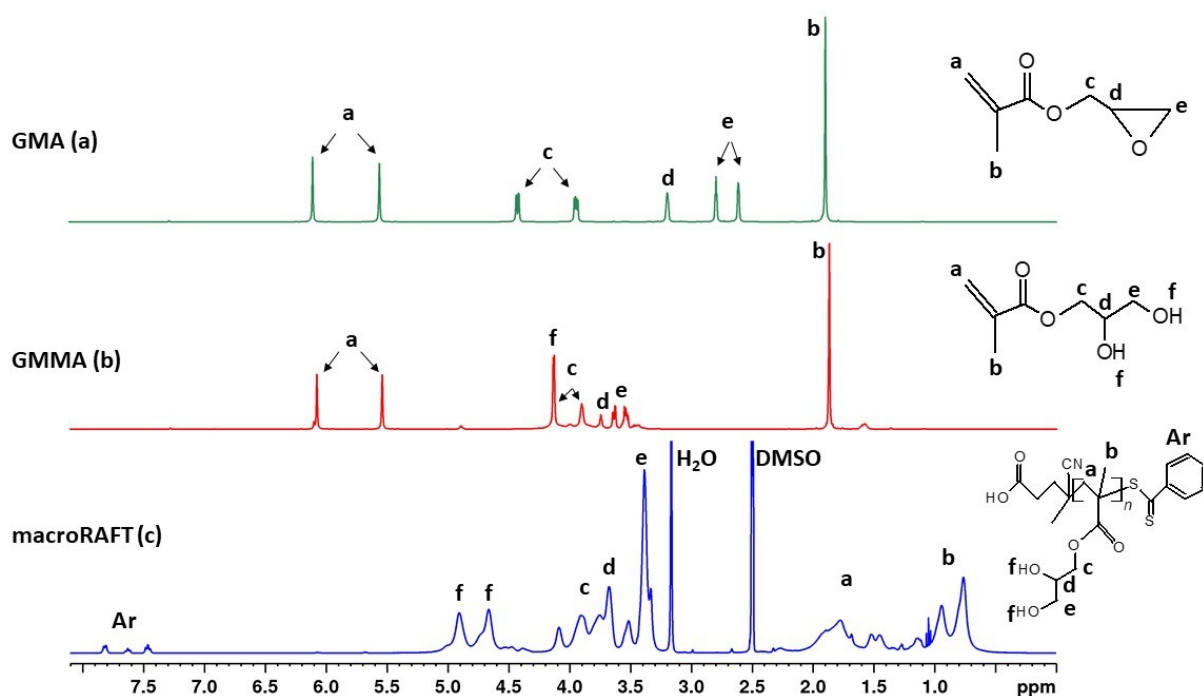


Figure S3. ¹H NMR spectra of (a) GMA, (b) GMMA and (c) macroRAFT agent.

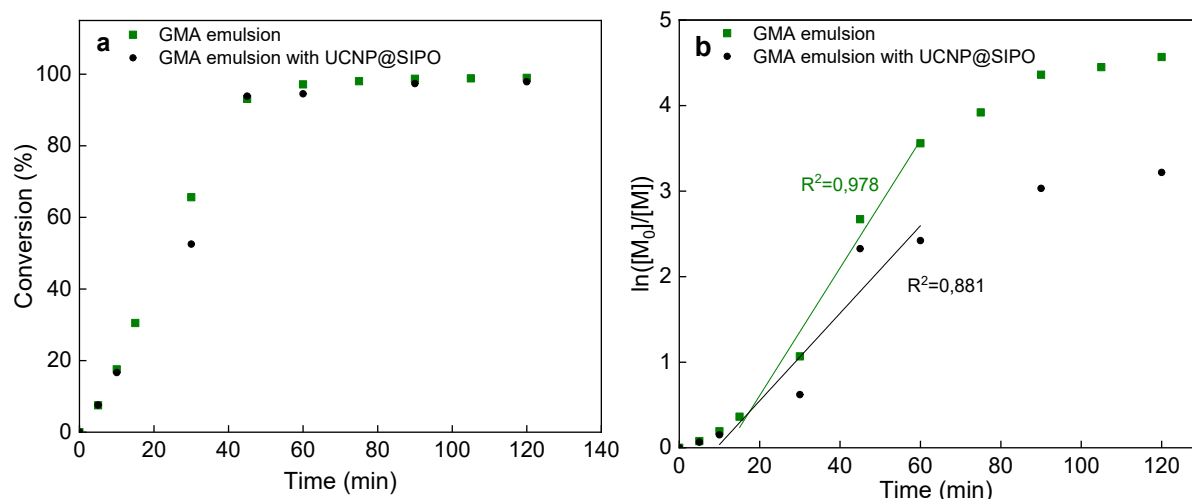


Figure S4. Time dependence of (a) GMA conversion and (b) $\ln([M_0]/[M])$ to demonstrate kinetics of RAFT emulsion polymerization of GMA in the absence or presence of UCNP@SIPO particles.