Supporting Information

Effects of Various Cu(0), Fe(0), and Proanthocyanidins Reducing Agents on Fe(III)-Catalysed ATRP to the Synthesis of PMMA Block Copolymers and Their Self-assembly Behaviours

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Captions:

Figure S1. Kinetics of Cu(II)-catalyzed ARGET ATRP (a) with and (b) without PC at 60 °C (MMA/EBiB/PC/CuBr₂/PMDETA = 500/1/0.5/0.1/1 in anisole; [MMA]₀ = 4.5 M).

Figure S2. Kinetics of Cu(II)-catalyzed ATRP with different M/I ratios in the presence of PC (MMA/EBiB/PC/CuBr₂/PMDETA = 100 (or 500)/1/0.1/0.5/1 in anisole; [MMA]₀ = 4.5 M).

Figure S3. GPC traces of Cu(II)-catalyzed ATRP with different M/I ratios in the presence of PC (MMA/EBiB/CuBr₂/PC/PMDETA = 100 (or 500)/1/0.1/0.5/1 in anisole; [MMA]₀ = 4.5 M).

Figure S4. Kinetics of ATRP of MMA without degassing using (a) Cu(0) and (b) PC as RAs (MMA/EBiB/RA/FeCl₃/PPh₃ = 200/1/5/0.1/0.5 in anisole; [MMA]₀ = 4.5 M).

Figure S5. FT-IR spectra (4000–400 cm⁻¹) of (a) PMMA-b-PBzMA and (b) PMMA-b-PBMA block copolymers.
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Figure S5. FT-IR spectra (4000–400 cm\(^{-1}\)) of (a) PMMA-\(b\)-PBzMA and (b) PMMA-\(b\)-PBMA block copolymers.