

Toward Rapid Aqueous RAFT Polymerization of Primary Amine Functional Monomer under Visible Light Irradiation at 25 °C

Guhuan Liu^a, Hui Shi^a, Yuru Cui^a, Jianyu Tong^a, Ying Zhao^b, Dujin Wang^b, and Yuanli Cai^{*,a}

Electronic Supplementary Information

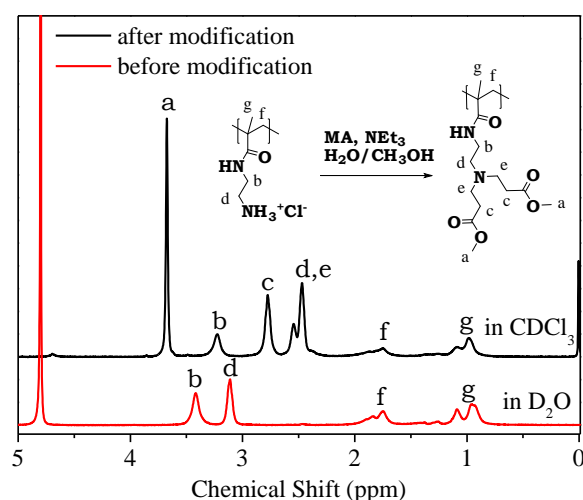


Figure S1. ¹H NMR spectra of PAEMA and the corresponding polymer whose primary amines were fully converted to tertiary amines via reacting with methyl acrylate (MA).

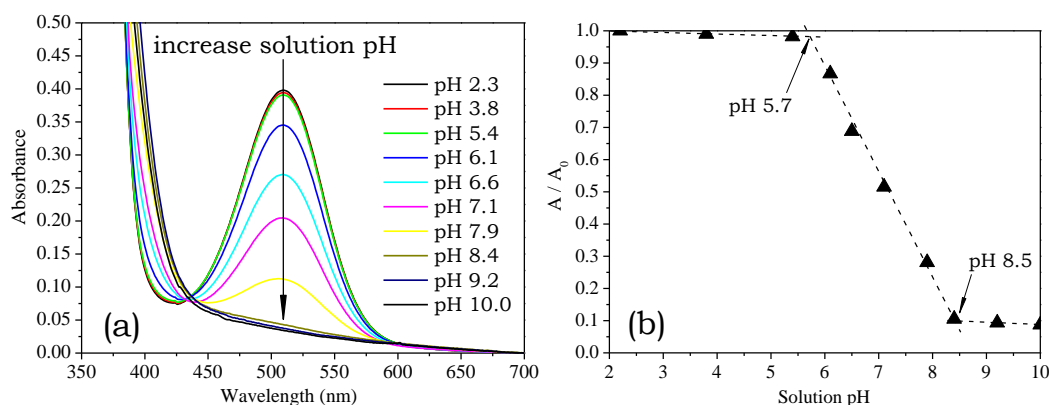


Figure S2. (a) UV-vis spectra of 5.0 wt% PAEMA in the solution of methanol and water (70:30 wt/wt) at various pH values over 2.3-10.0 and stirred at 25 °C for 15 h; (b) The variation of absorbance at $\lambda_{\max,CTP} = 510$ nm as a function of pH values, where A_0 and A are separately the absorbance at $\lambda_{\max,CTP} = 510$ nm of the initial solution and after stirring for 15 h.