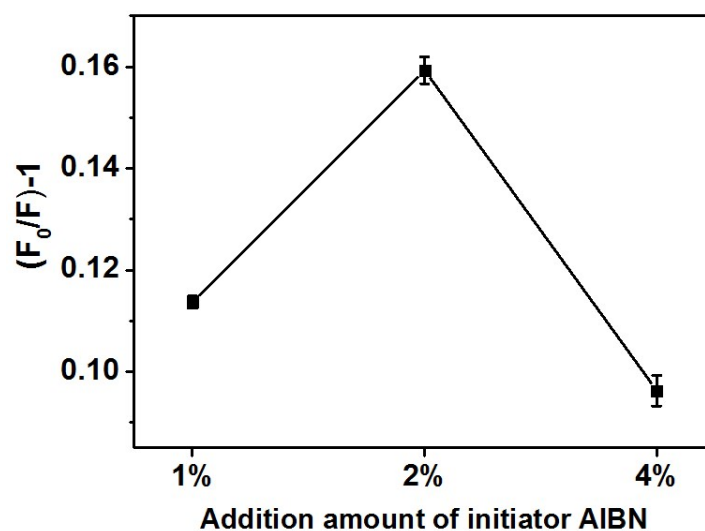


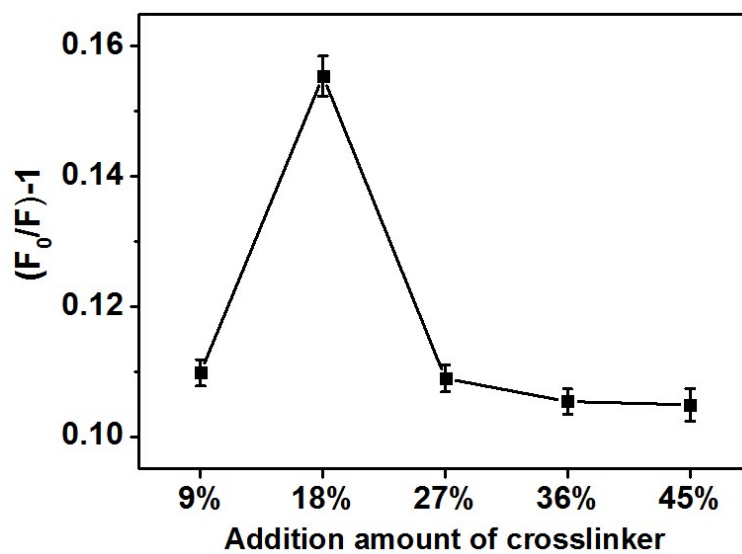
## SUPPLEMENTARY INFORMATION

**Table S1.** Molecular weight results of PBAN-GMA polymers with different initiator concentrations

Amount of AIBN	$M_n$	Polydispersity
1%	$9.9 \times 10^3$	1.6
2%	$8.8 \times 10^3$	1.5
4%	$6.9 \times 10^3$	1.9



**Figure S1.** Effect of initiator addition amounts in the polymerization process of PBAN-GMA on the fluorescence response of B-FMIP NPs



**Figure S2.** The effect of crosslinker amount on the fluorescence response of B-FMIP NPs