

## Silver Nanoparticles Stabilized by Thermoresponsive Microgel Particles: Synthesis and Evidence of Electron Donor-Acceptor Effect

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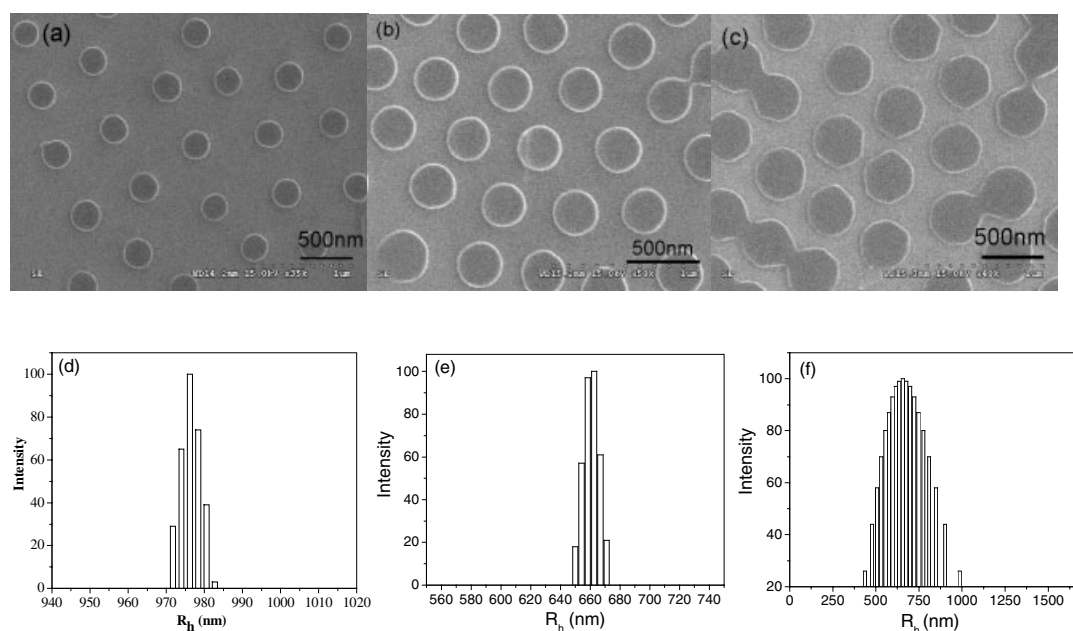


Figure S1. SEM images and hydrodynamic diameters of the as-prepared PNIPAM-*co*-PAA microgel particles, 4.5 wt.-% crosslinking density (a) (d), 10 wt.-% crosslinking density (b) (e), and 15 wt.-% crosslinking density (c) (f).

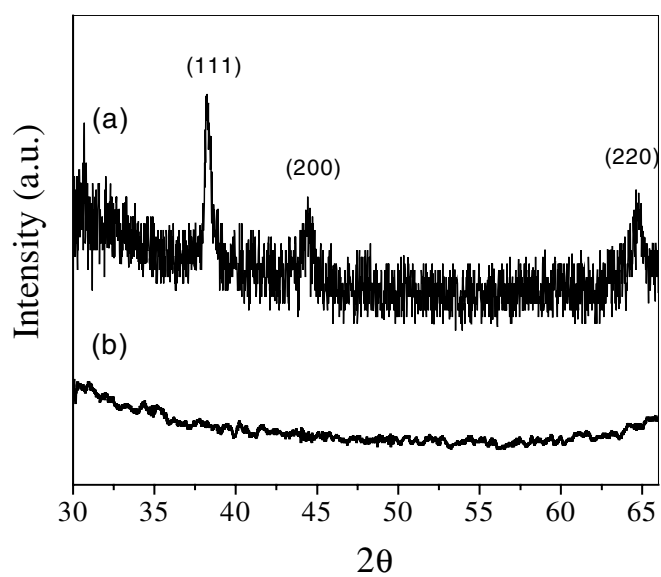


Figure S2. XRD patterns of (a) PNIPAM-*co*-PAA /AgNPs (4.5wt.-%) and (b) pristine PNIPAM-*co*-PAA (4.5 wt.-%) microgel particles.

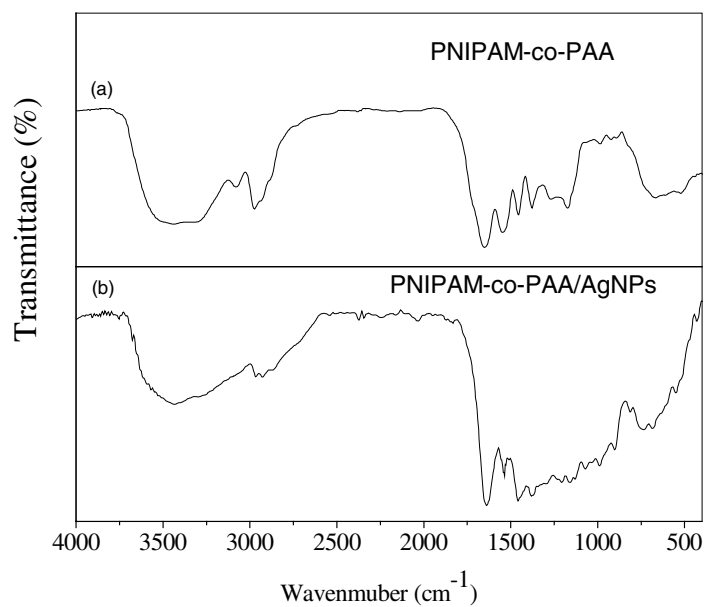


Figure S3. FT-IR spectra of (a) pristine PNIPAM-*co*-PAA (4.5 wt.-%) microgel particles and (b) PNIPAM-*co*-PAA /AgNPs (4.5 wt.-%).