

Thermal responsive behaviour of the electrical resistance of electrospun P(NIPAm-co-NMA)/Ag composite nanofibers

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Electronic Supplementary Information

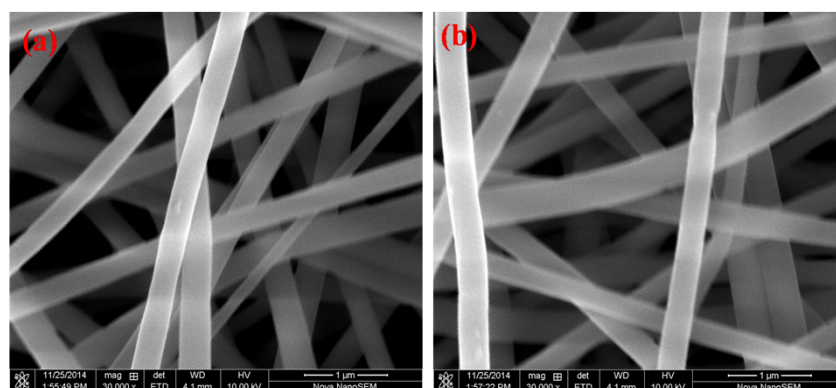


Fig. S1 High-magnification SEM images of (a) the as-prepared and (b) the heat-treated P(NIPAM-co-NMA) fibers.

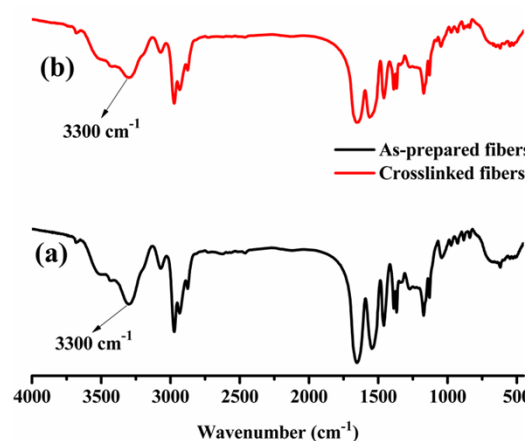


Fig. S2 FTIR spectra of (a) the as-prepared and (b) the crosslinked P(NIPAM-co-NMA) fibers.

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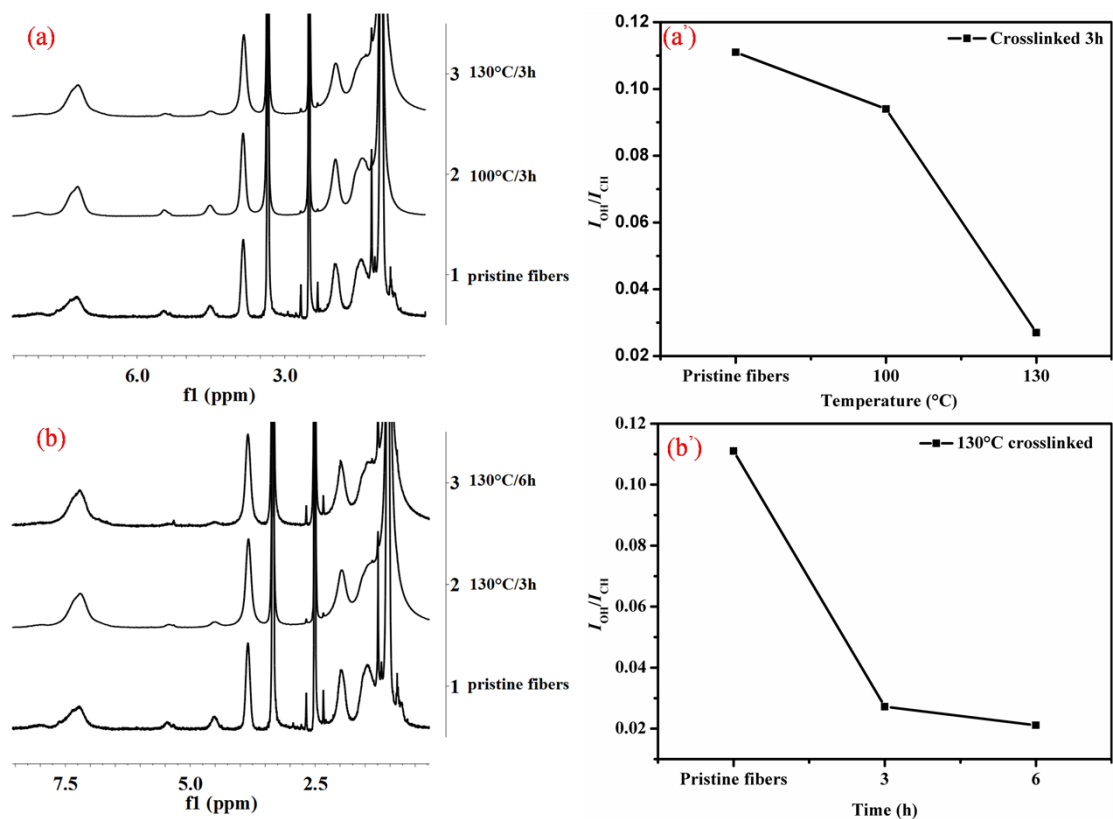


Fig. S3 ¹H-NMR spectra and the I_{OH}/I_{CH} ratio of the P(NIPAm-co-NMA) fibers at different stages: (a) baked for 3 h at different temperatures and (b) baked at 130 °C for different durations.

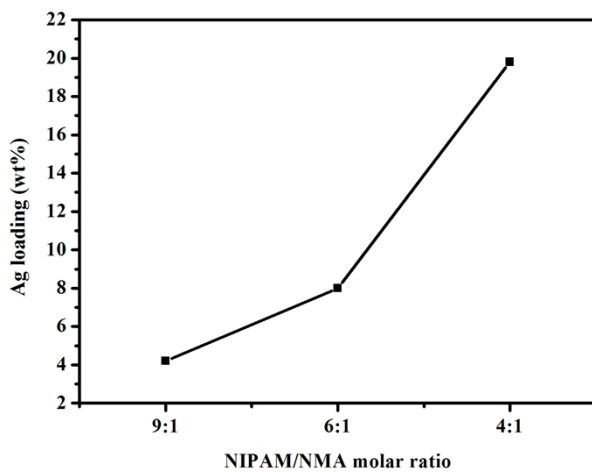


Fig. S4 The dependence of Ag weight percent on the molar ratio between the monomers in the composite fibers.

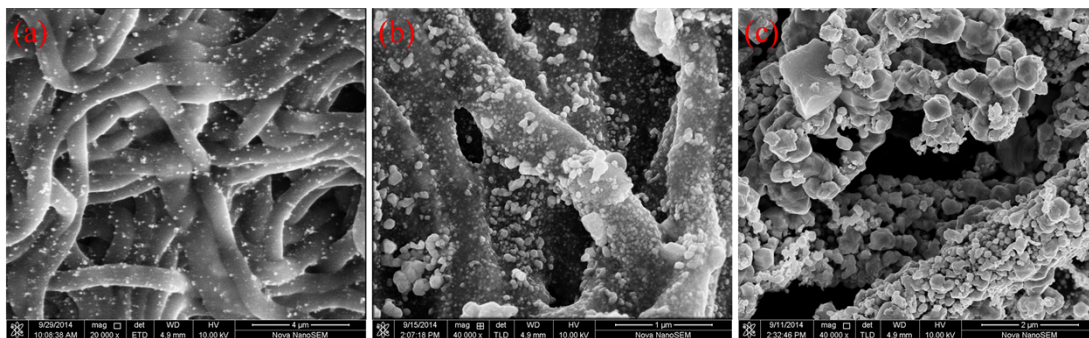


Fig. S5 High-magnification SEM images of: (a) PNN/Ag-0.01, (b) PNN/Ag-0.05 and (c) PNN/Ag-0.1 fibers.