SUPPORTING INFORMATION

Superabsorbent cryogels decorated with silver nanoparticles as a novel water technology for point-of-use disinfection

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The following is a list of additional supporting materials for the article:

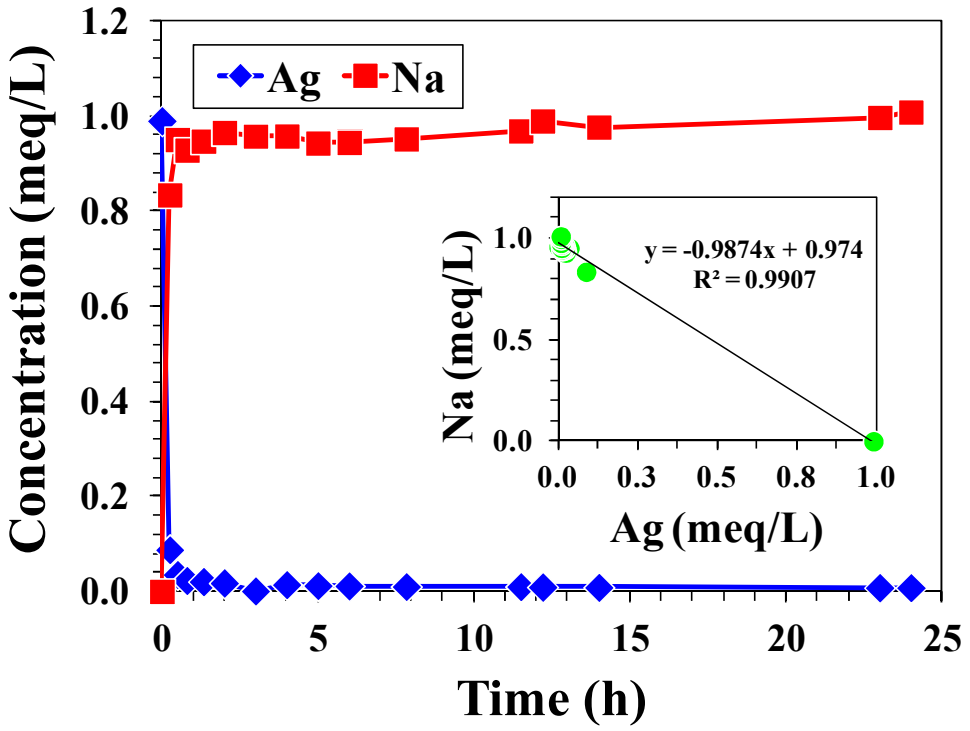

Fig. S1 Ag and Na concentration profiles during the Ag loading step of the intermatrix synthesis of AgNC-20.

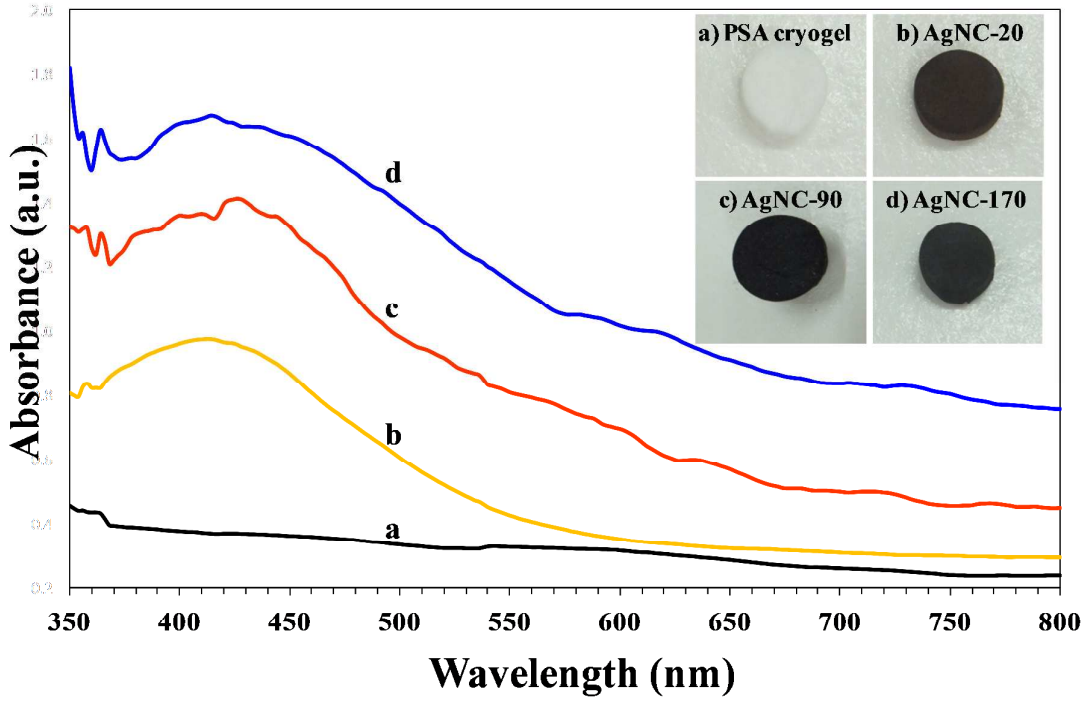

Fig. S2 UV-visible absorption spectra of PSA/Ag cryogels with different Ag loadings. The inset shows the photographs of the as-synthesized cryogel nanocomposites.

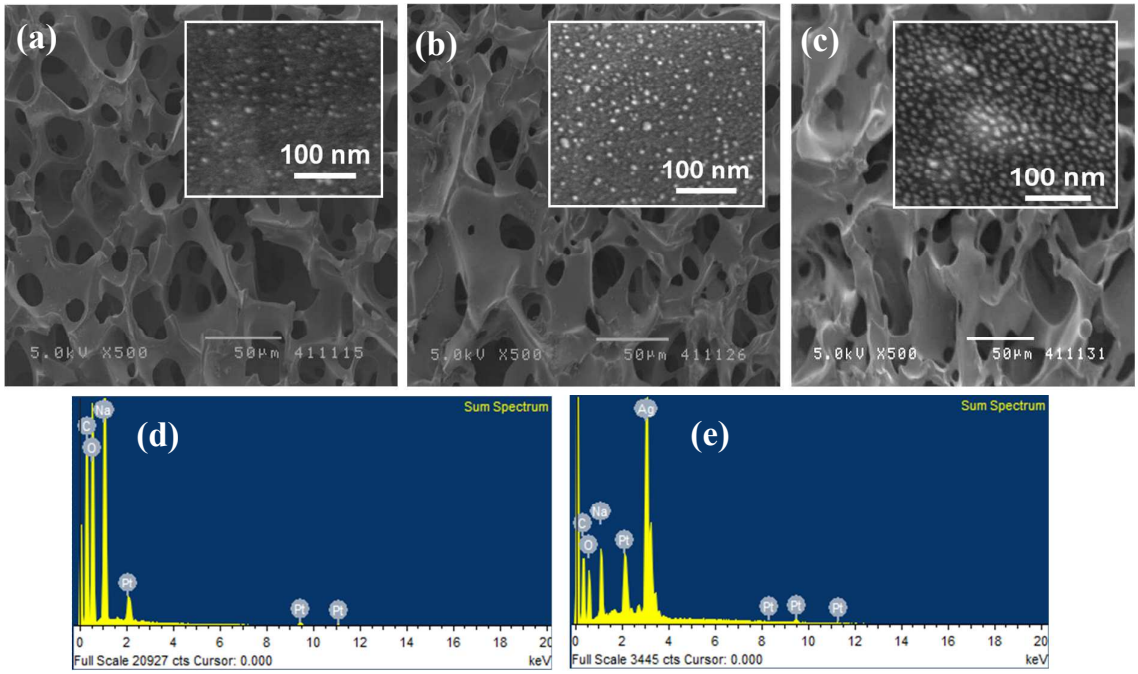

Fig. S3 FESEM images of (a) PSA cryogels, (b) AgNC-20, (c) AgNC-90 (the insets show the corresponding high-magnifcation images); EDX spectra of (d) PSA cryogel, and (e) AgNC-170.

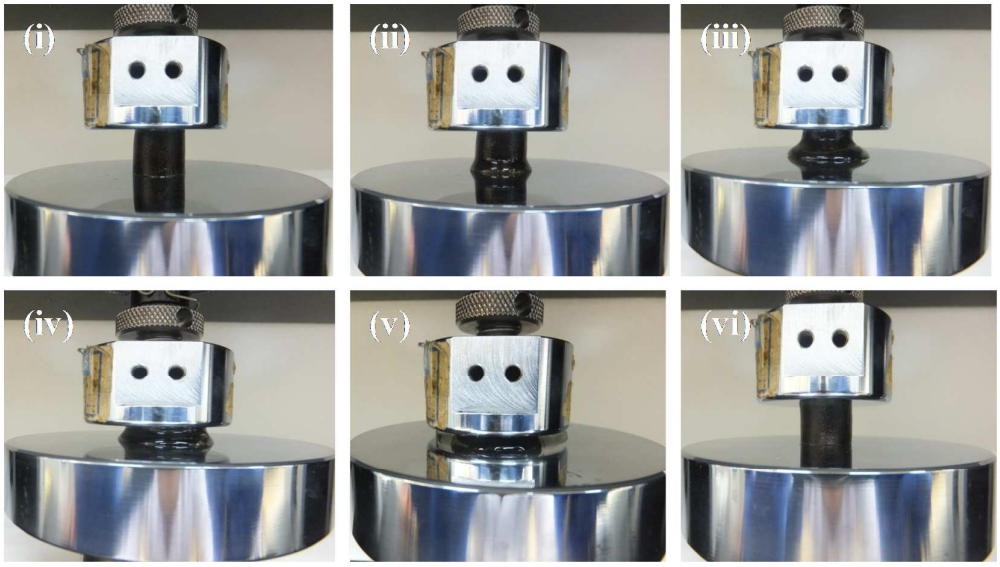

Fig. S4 Photographs taken during the compression tests of the PSA/Ag cryogel.

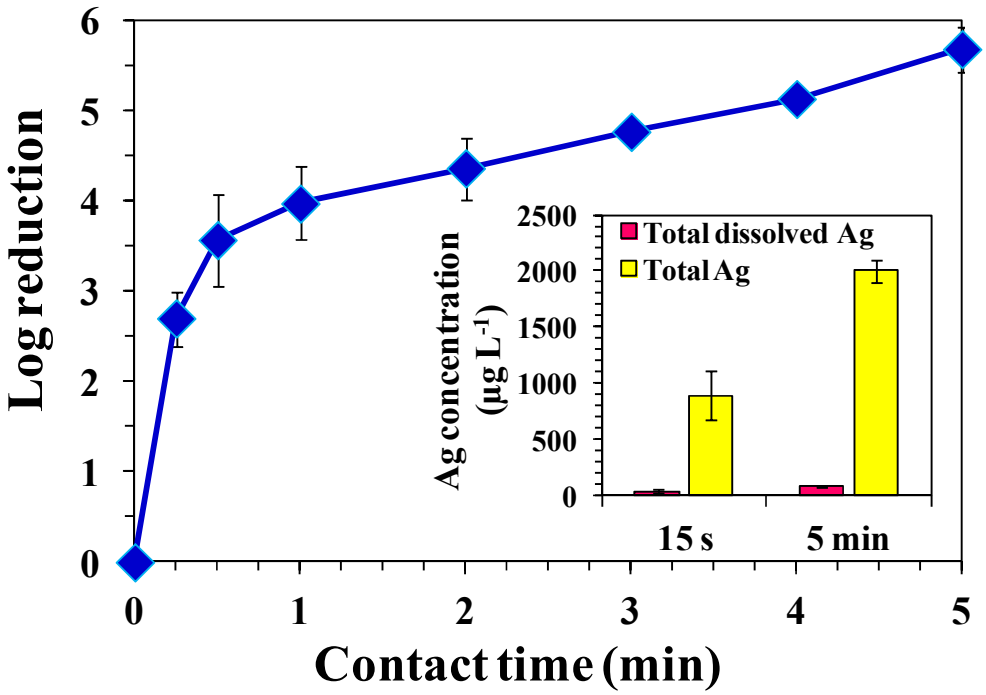

Fig. S5 Disinfection efficacies of AgNC-170 (in the presence of quenching agent) as a function of contact time. The inset shows the corresponding total dissolved Ag and total Ag concentration in the squeezed water after the disinfection tests.