Supporting Information

Figure S1. SEM image of the untreated polypropylene fabric coated with cationically modified silica nanoparticles ($\zeta=$21.5 mV) prior to water rinsing. The inset shows the morphology of the surface after water rinsing.

Figure S2. SEM images of the plasma treated polypropylene fabric coated with cationically modified silica nanoparticles ($\zeta=$21.5 mV). Images taken after 1 hour of sonication in various solvents; (a) water, (b) acetone, (c) ethanol, (d) THF.
Figure S3. Time dependence of an impinging water droplet onto plasma treated polypropylene fabric coated with cationically modified silica nanoparticles ($\zeta=21.5$ mV).

Figure S4. TEM image of the plasma treated polypropylene fabric coated with an aqueous colloidal solution of unmodified silica nanoparticles at pH=4.