

Supplementary information

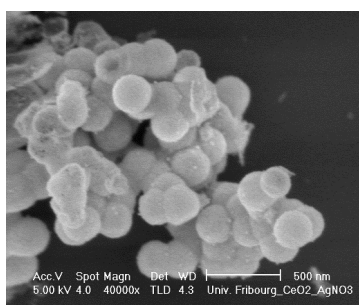


Fig. S1 SEM image of $\text{AgNO}_3/\text{CeO}_2$ capsules. Formed silver nanoparticles appear as white spots on the surface of capsules on the SEM image.

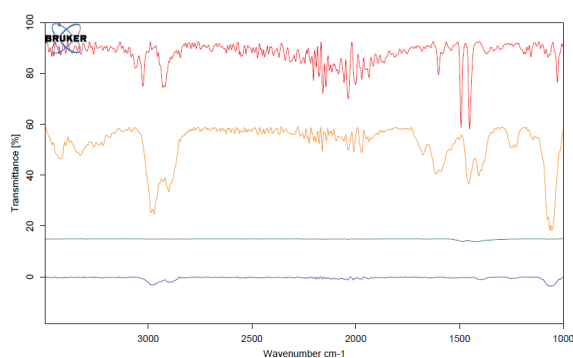


Fig. S2 FTIR spectra of polystyrene nanospheres (red), AgNP/PS coated with CeO_2 (yellow), AgNP/CeO_2 capsules obtained by calcination (green), and AgNP/CeO_2 capsules obtained by dissolution (blue).