Supplementary Material (ESI) for *Journal of Materials Chemistry*

SUPPLEMENTARY INFORMATION

Photolytic formation of Ag nanoparticles in oligomeric organosiloxanes: new photolithographic routes to metallodielectric microperiodic structures.

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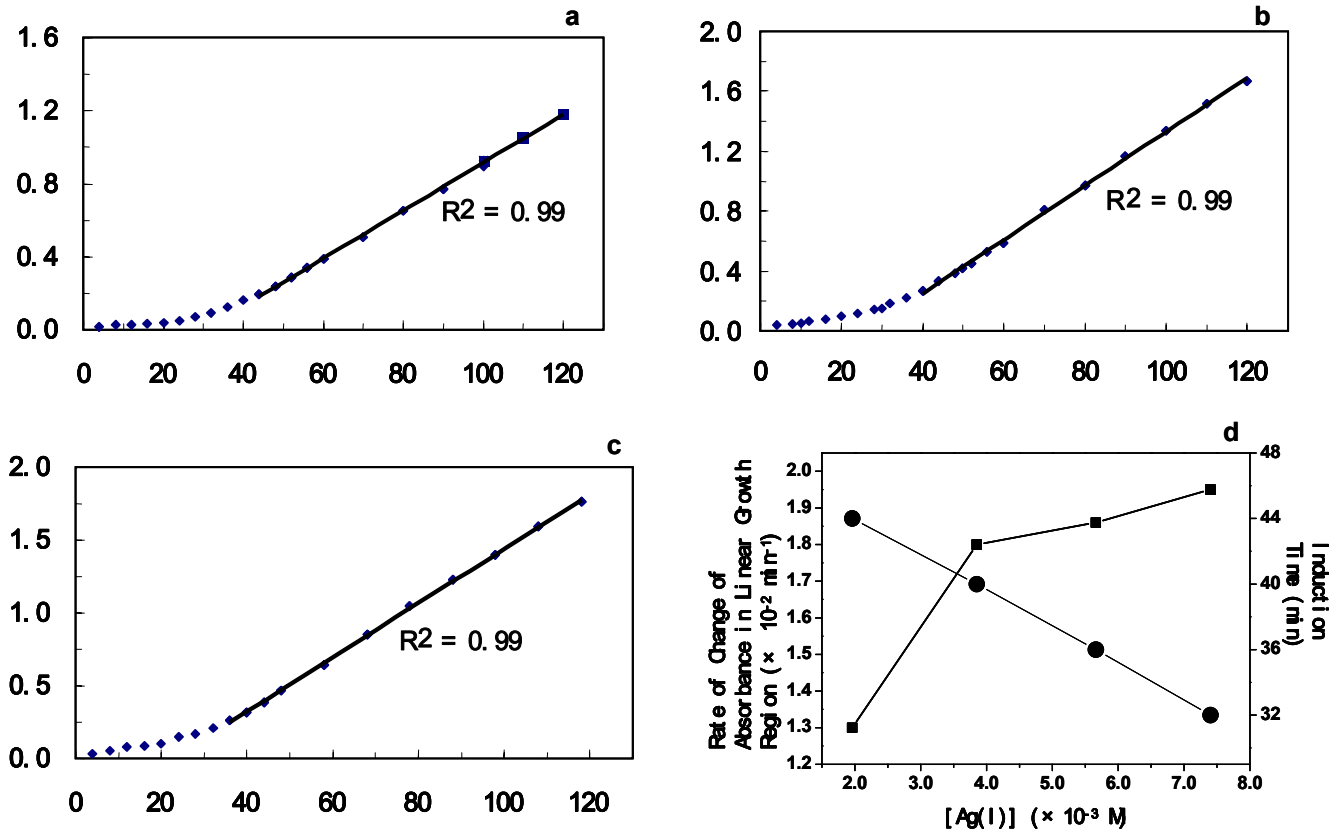

Figure S1 Graphs of extinction at 420 nm versus irradiation times for organosiloxane sols containing (a) $1x10^{-3}$ M (b) $3x10^{-3}$ M and (c) $5x10^{-3}$ M. All sols contained the same concentration ($7x10^{-4}$ M) of AgCl. (d) Plots of the induction time (circles) and rate of increase in Each curve shows an induction period followed by a highly linear region of growth in extinction. (d) Plots of rate of growth in extinction (square) and induction time (circle) versus the total concentration of Ag(I) in the medium,

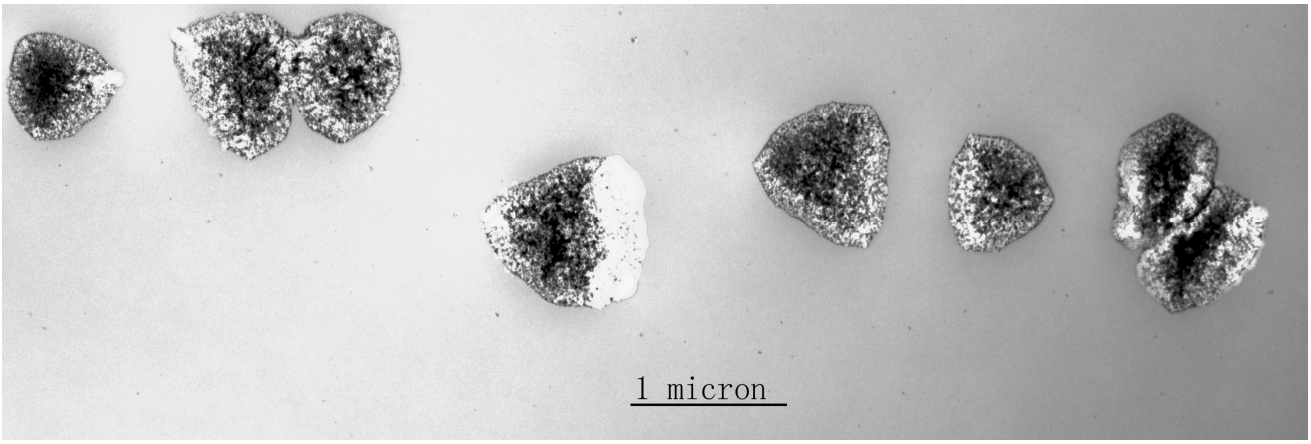

Figure S2 TEM of the organosiloxane gel after 7 days of irradiation. Samples for microscopy were prepared by redispersing the gel in *iso*-propanol and casting the colloid onto Cu grids.