Electronic Supplementary Information

Electrodeposition of Silver Nanostructures: From Polygons to Dendrites

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Fig. S1 Chronoamperometric current for the deposition of Ag on ITO at various potentials from a solution of 0.1 M KNO₃ and AgNO₃ taken at different concentrations, 10 mM (a-c) and 5 mM (d).
Fig. S2 SEM images of silver polyhedron structures obtained from a solution of 0.1 M KNO$_3$ and 10 mM AgNO$_3$ at different deposition potentials (a) and (b) -0.15 V; (c) and (d) -0.10 V.
**Fig. S3** Enlarged TEM images of Silver polygonal nanostructures obtained from a solution of 0.1 M KNO$_3$ and 10 mM AgNO$_3$ at a deposition potential of -0.15 V for a period of 180 s.
**Fig. S4** SEM images of ITO surface upon deposition of silver from 0.1 M KNO₃ and 10 mM AgNO₃ at two different potentials; (a) -0.1 V : polygons with pores and (b) -0.2 V : polygons with aggregations. The deposition time is 180 s in each.
Fig. S5 EDAX spectrum of electrodeposited silver on ITO at a potential of -0.15 V from a solution of 0.1 M KNO$_3$ and 10 mM AgNO$_3$.
Fig. S6 XRD spectrum of electrodeposited Ag on ITO at various potentials.