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Electronic Supplementary Information

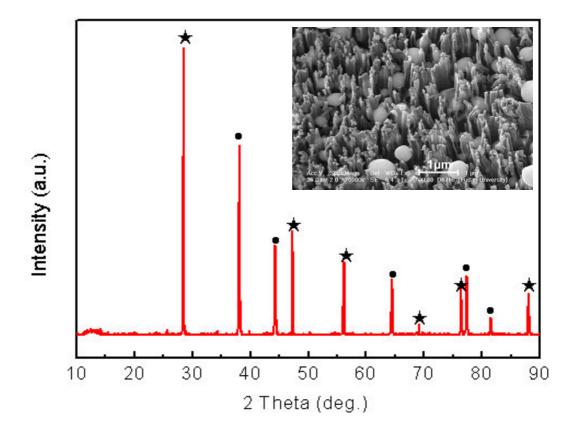


Fig. S1 XRD pattern of Ag@SiNW after being calcined at 450 °C for 2 h (\bullet - Ag, - Si). The inset is SEM image of Ag@SiNW, scale bar 1 µm. It indicates the existence of Ag in SiNW arrays as metallic silver after calcination.