

SUPPORTING INFORMATION

Deposition of metallic silver coatings by Aerosol Assisted MOCVD using two new silver β -Diketonate adduct metalorganic precursors

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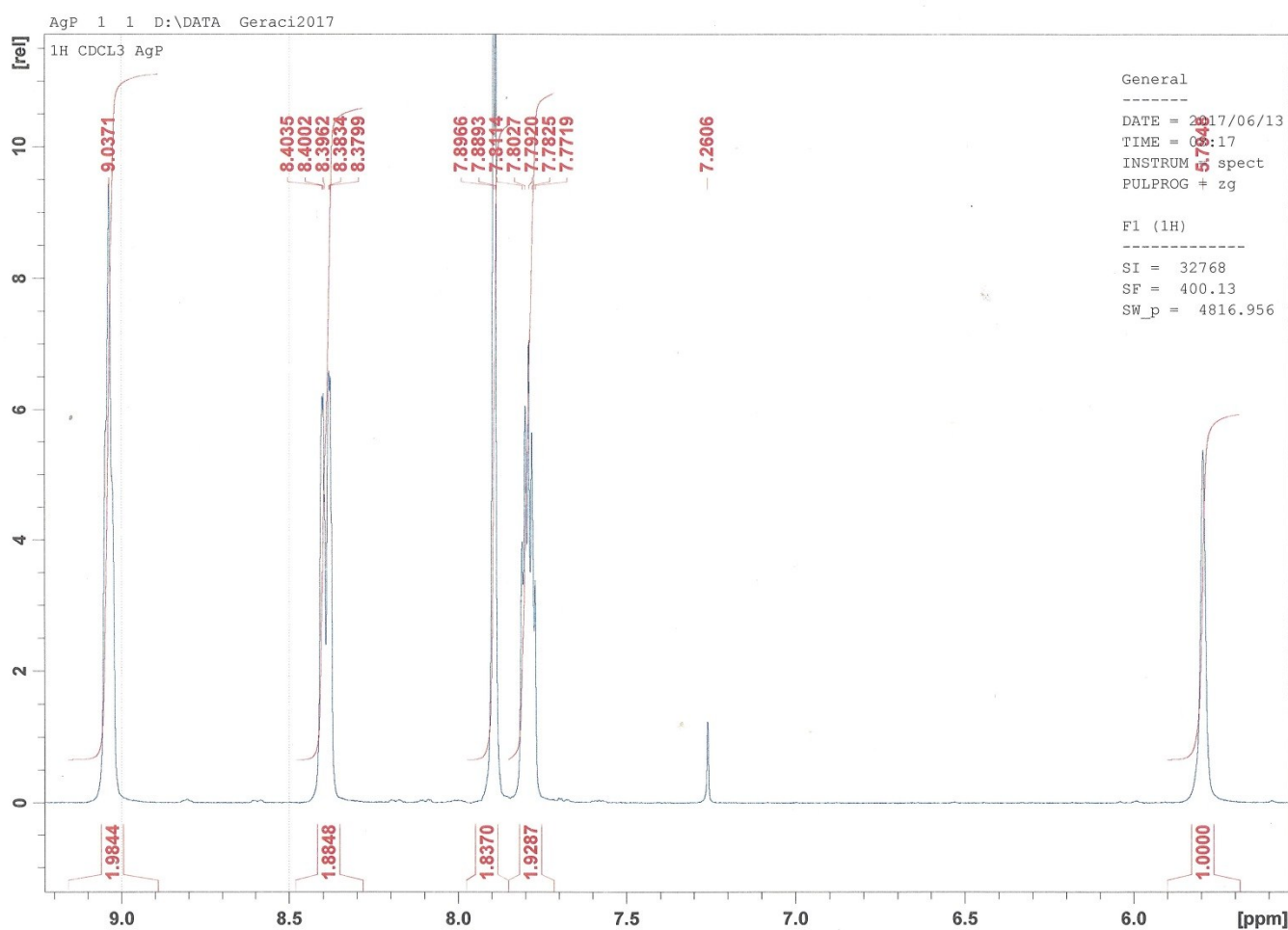


Figure. S01. ¹H NMR spectrum of AgP in CDCl₃.

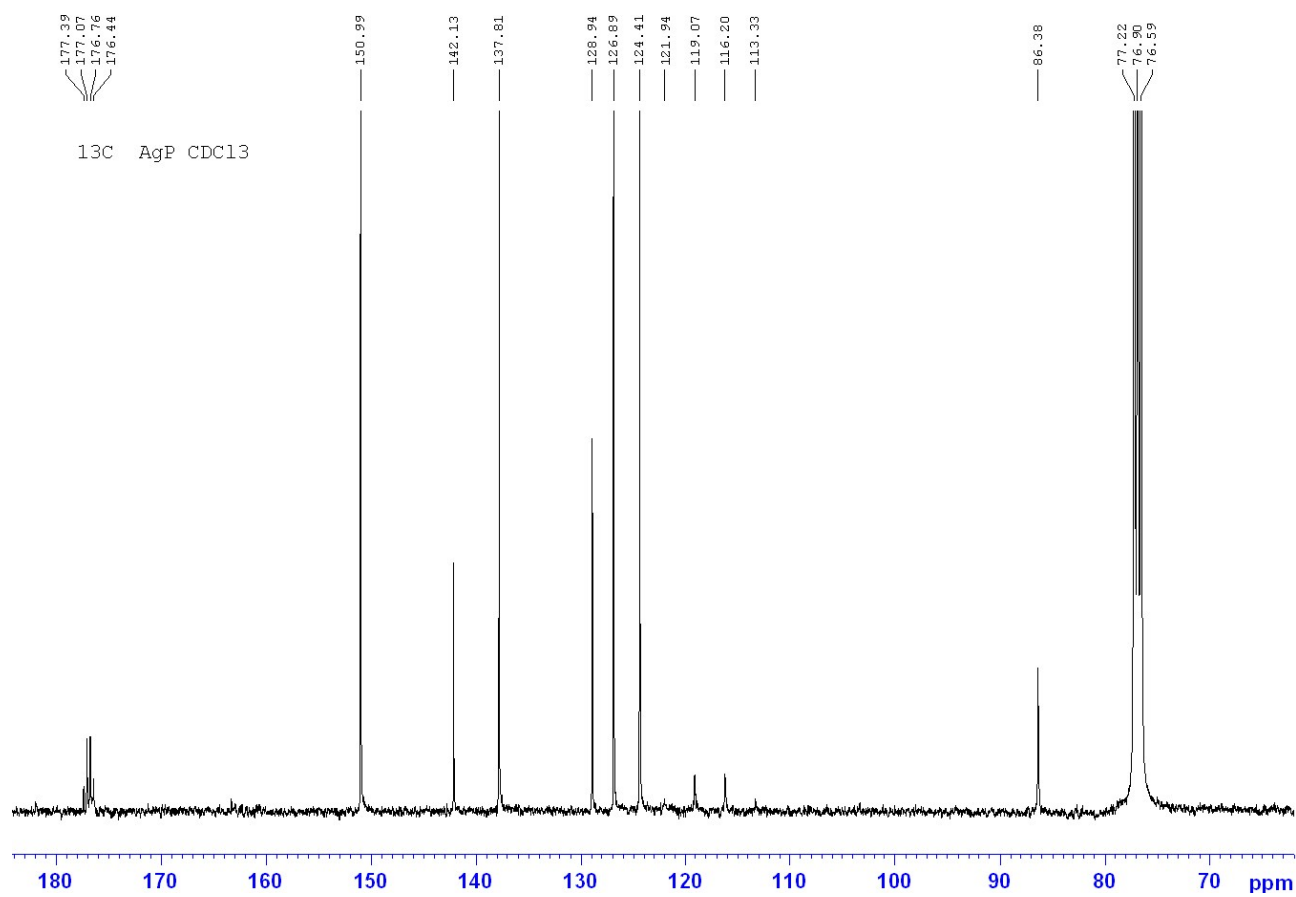


Figure. S02. ¹³C NMR spectrum of AgP in CDCl₃.

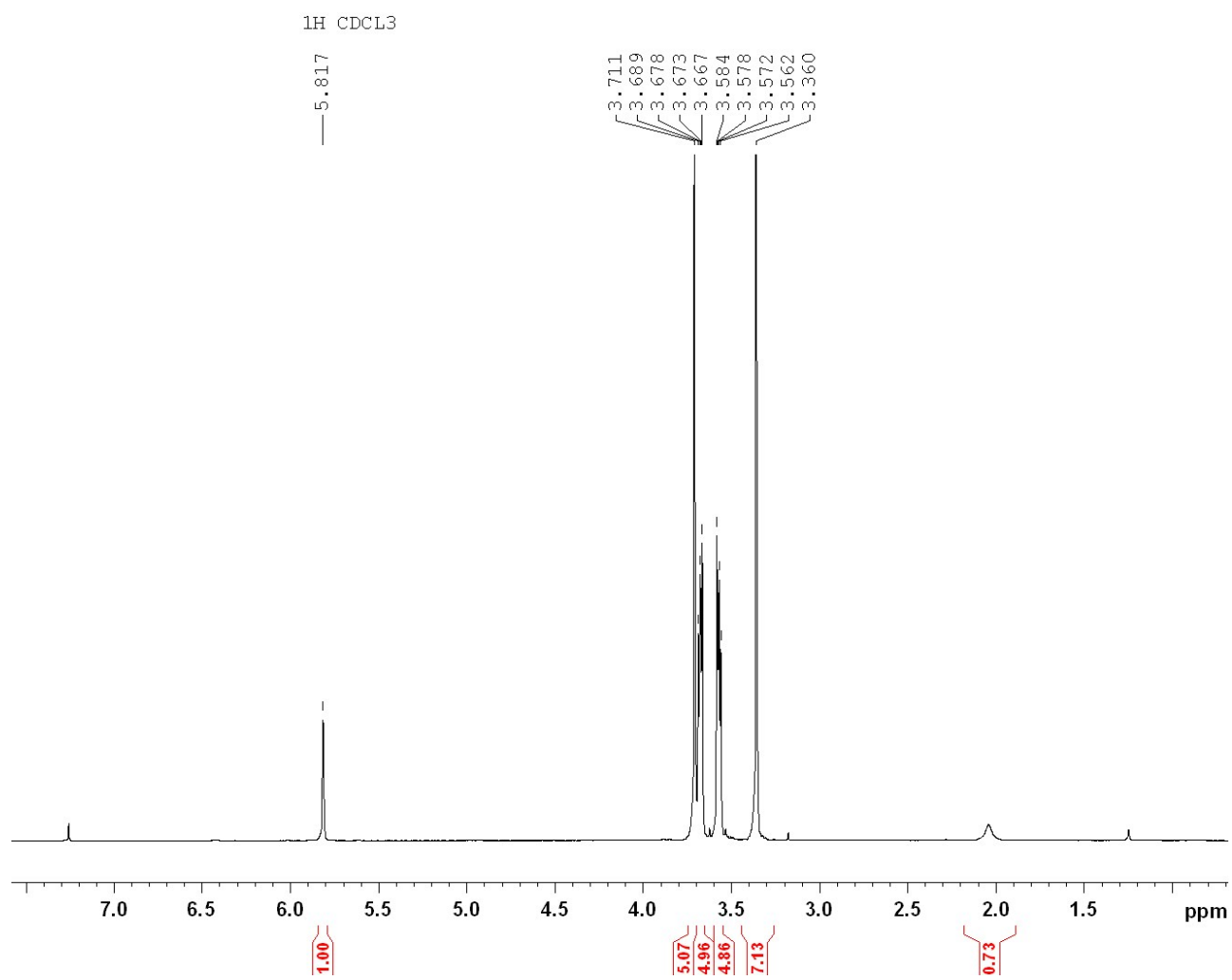


Figure. S03. ¹H NMR spectrum of AgT in CDCl₃.

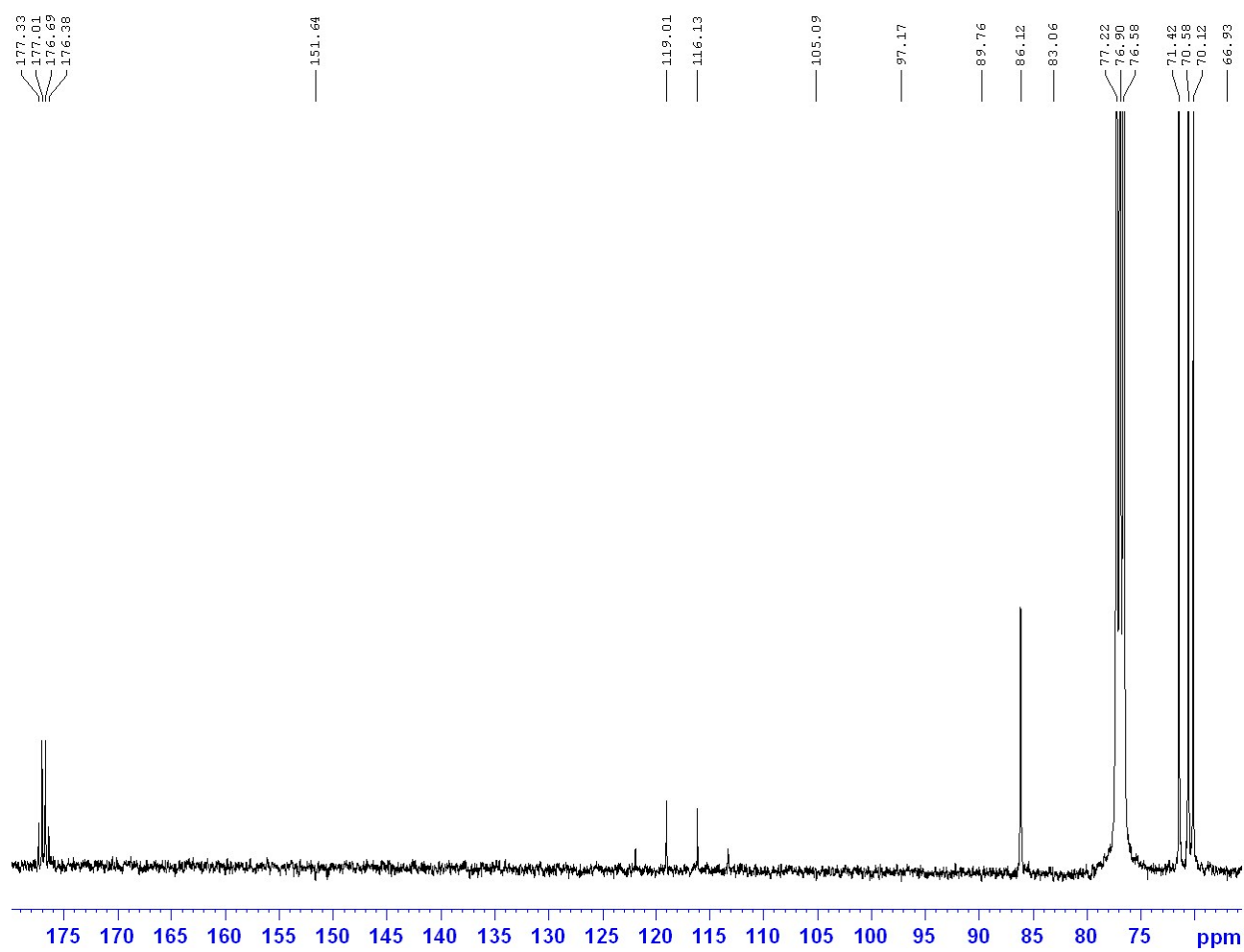


Figure. S04. ^{13}C NMR spectrum of AgT in CDCl_3 .

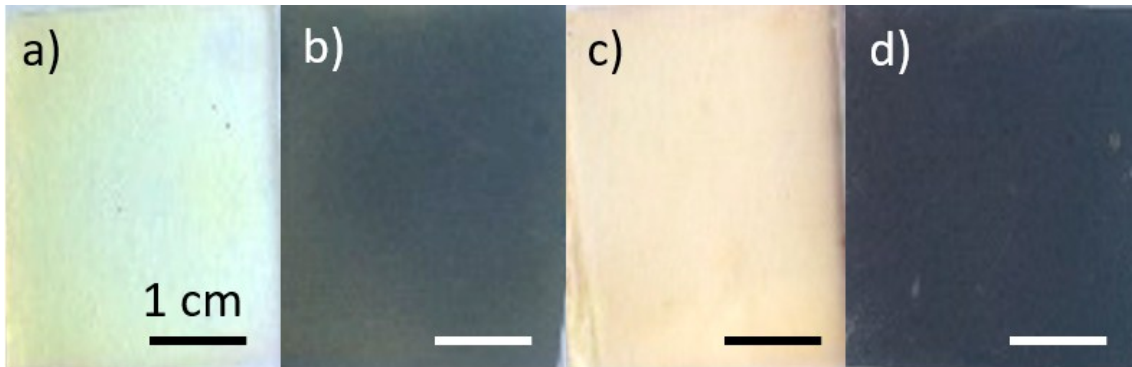


Figure. S05 Images of silver coatings: a) P1 (yellow), b) P2 (dark in the picture but with a purple hue to the naked eye), c) T1 (orange), d) T2 (as for P2, dark in the image but having a purple hue to the naked eye).

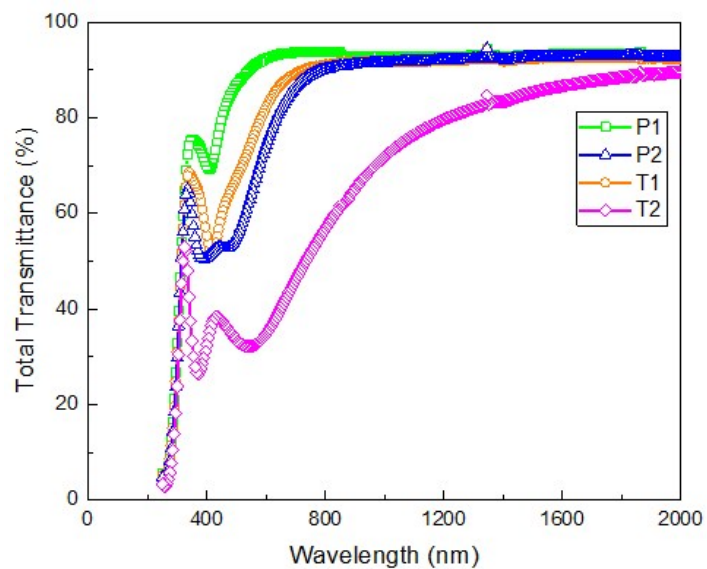


Figure. S06 Transmittance spectra of Ag films deposited with different precursors AgP and AgT with deposition duration 0.5 h (P1 and T1) and 1.5 h (P2 and T2).

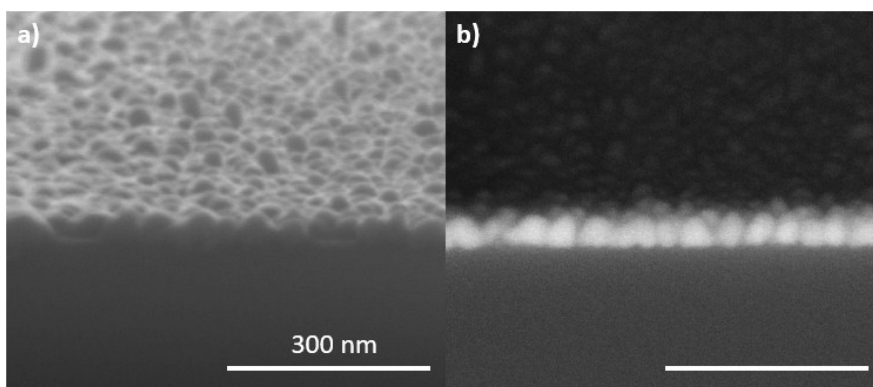


Figure. S07 SEM Crosssection of sample T2 (deposited using AgT precursor for 1.5 h). a) Secondary electrons b) Back/scattered electrons. The height of the coating is about 35 nm.

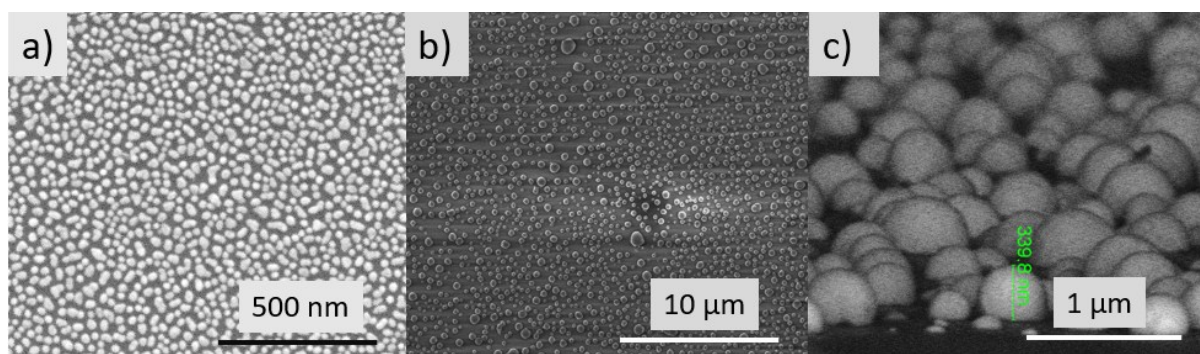


Figure. S08 a) SEM image of the as deposited Ag coating (using AgP). Images b) and c) show SEM images of the coating after annealing at 400 °C in air for 1 h.