polymers

MDPI

Supplementary Material

Polyethylene covered gold and silver nanoparticles using Catalyzed Chain Growth (CCG)

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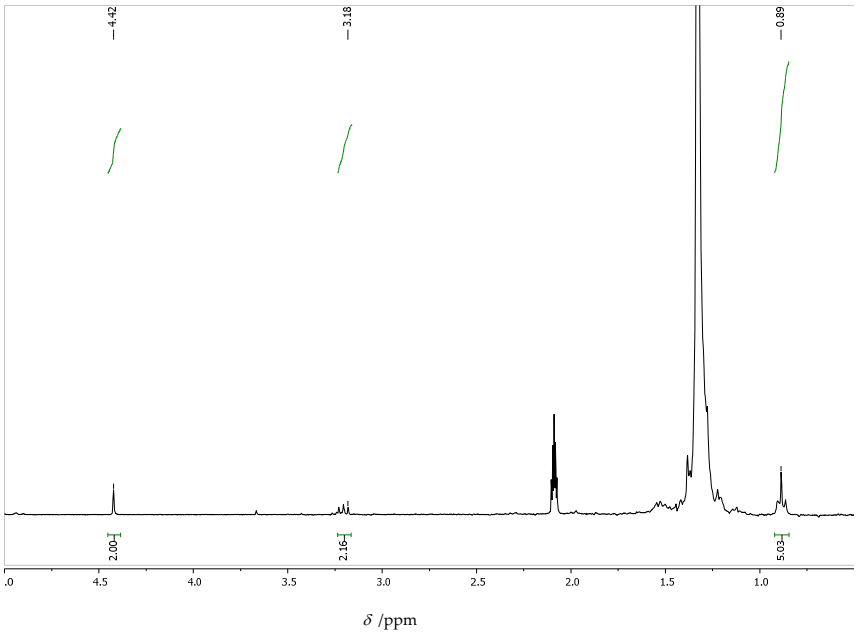


Figure 1: ^{1}H-NMR of trithiocarbonate terminated polyethylene. The measurement was conducted in toluene at 80 °C.

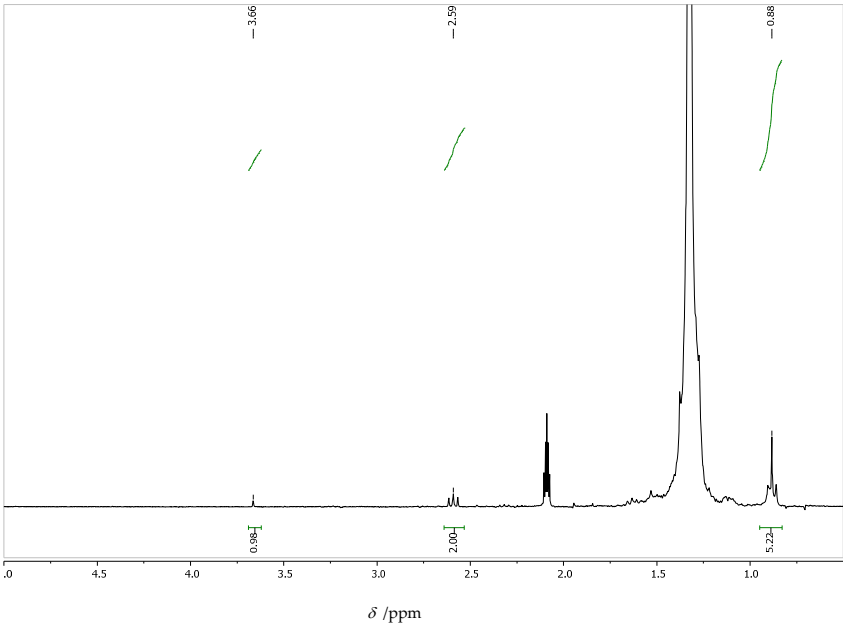


Figure 2: ^{1}H-NMR of thiol terminated polyethylene. The measurement was conducted in toluene at 80 °C.

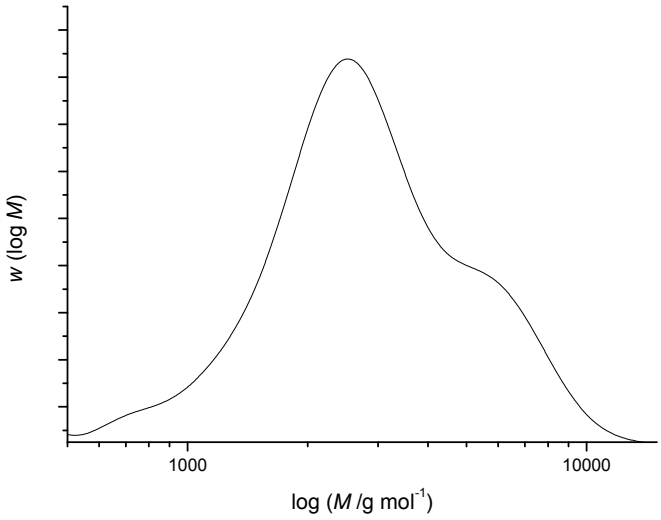


Figure 3: Size exclusion chromatogram of trithiocarbonate terminated polyethylene.

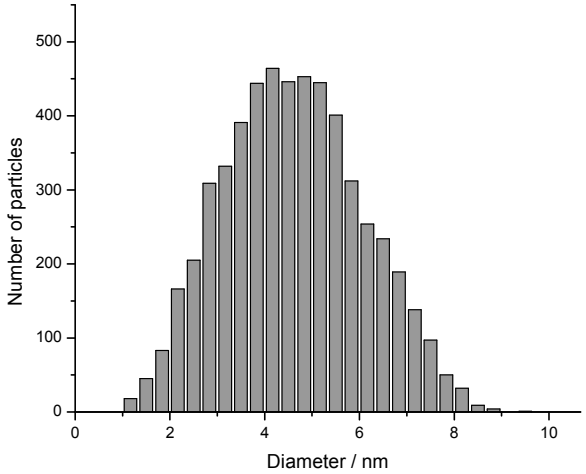


Figure 4: Size distribution of the applied AuNP.

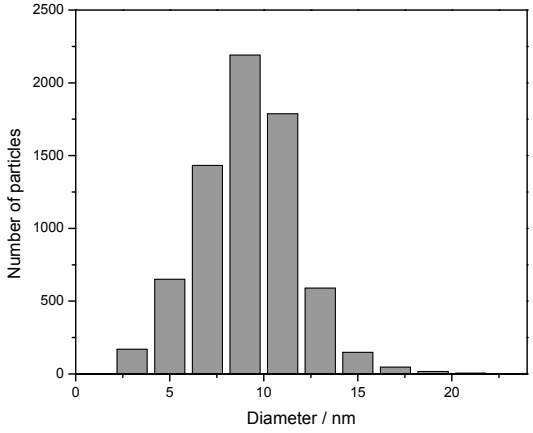


Figure 5: Size distribution of the applied AgNP.

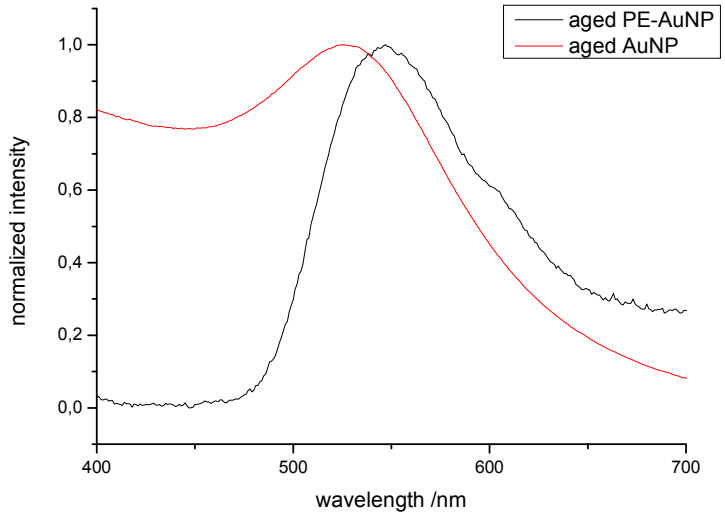


Figure 6: UV spectra of unfunctionalized and PE grafted gold nanoparticles after aging.