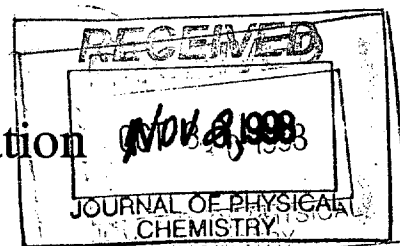
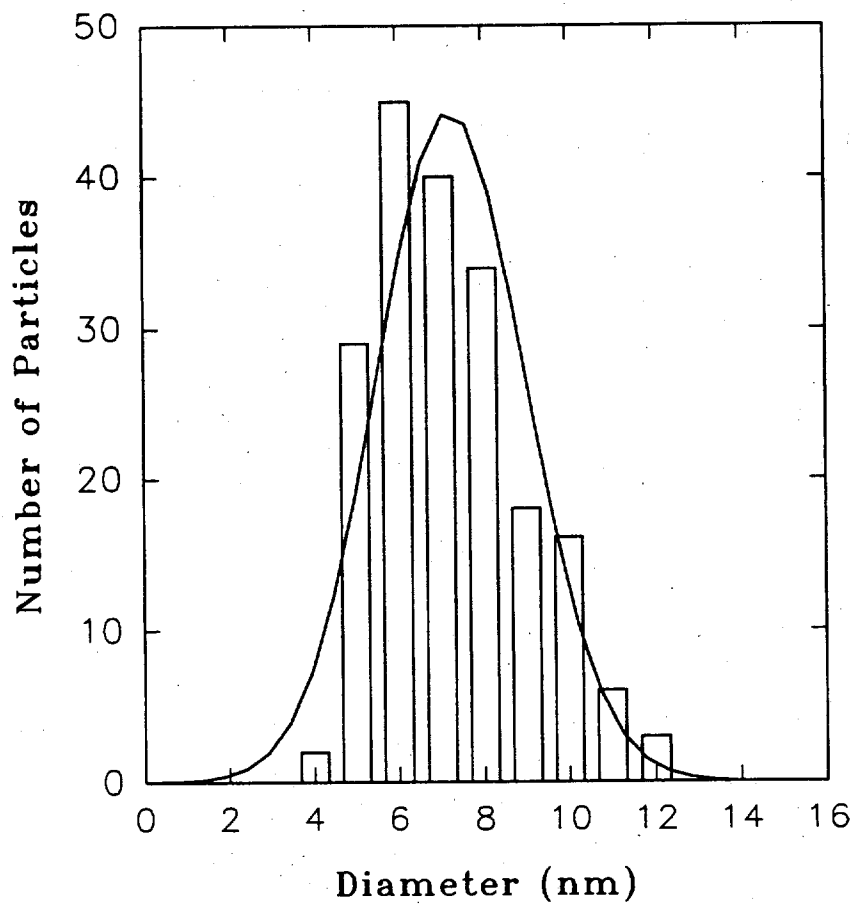


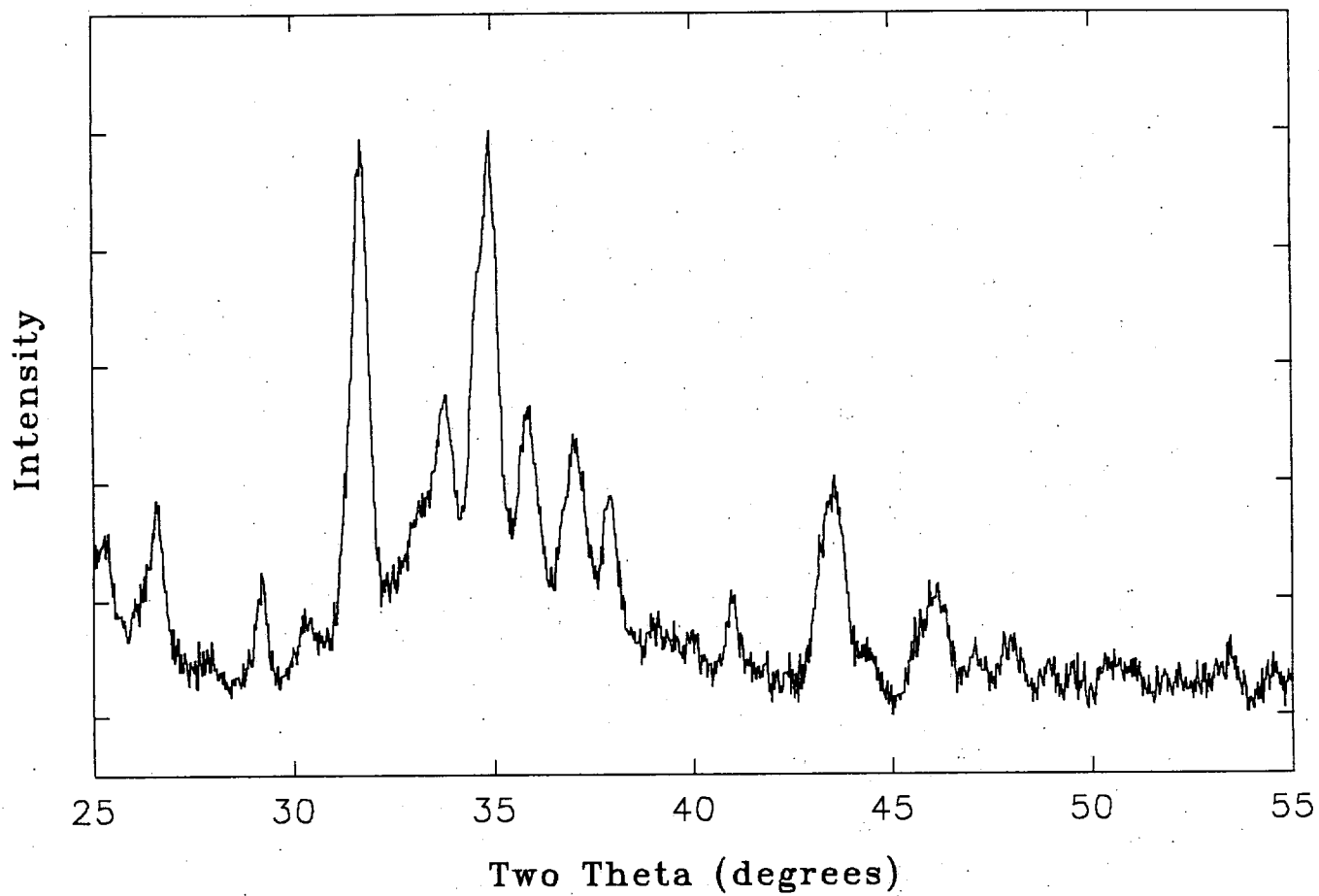
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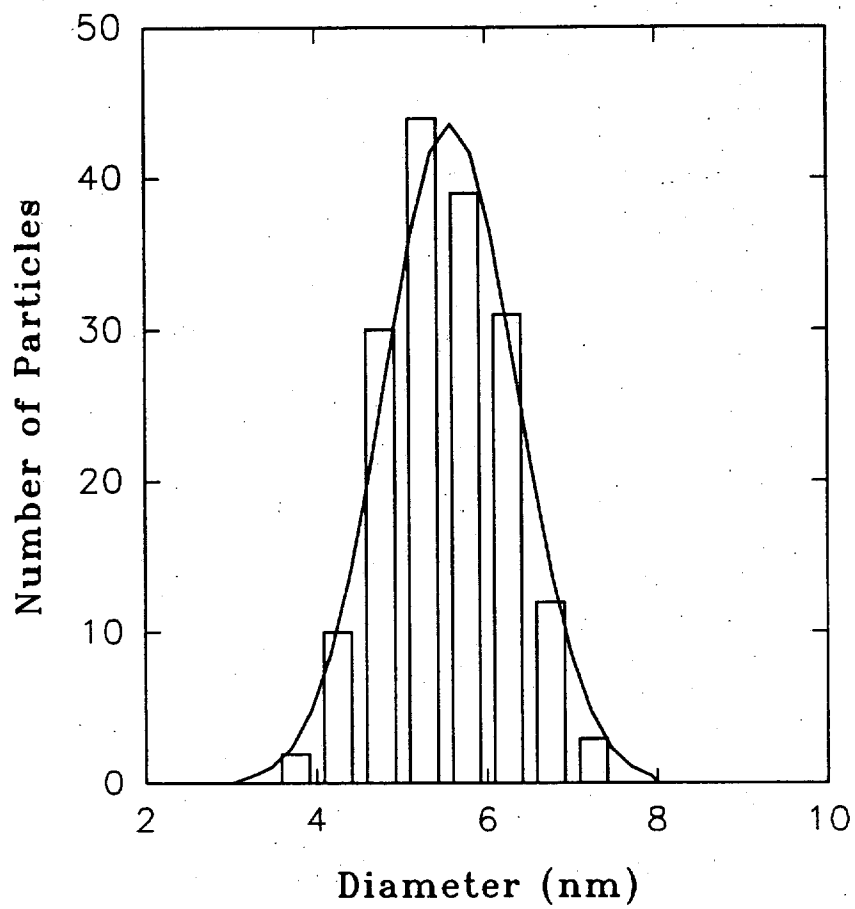
Supporting Information



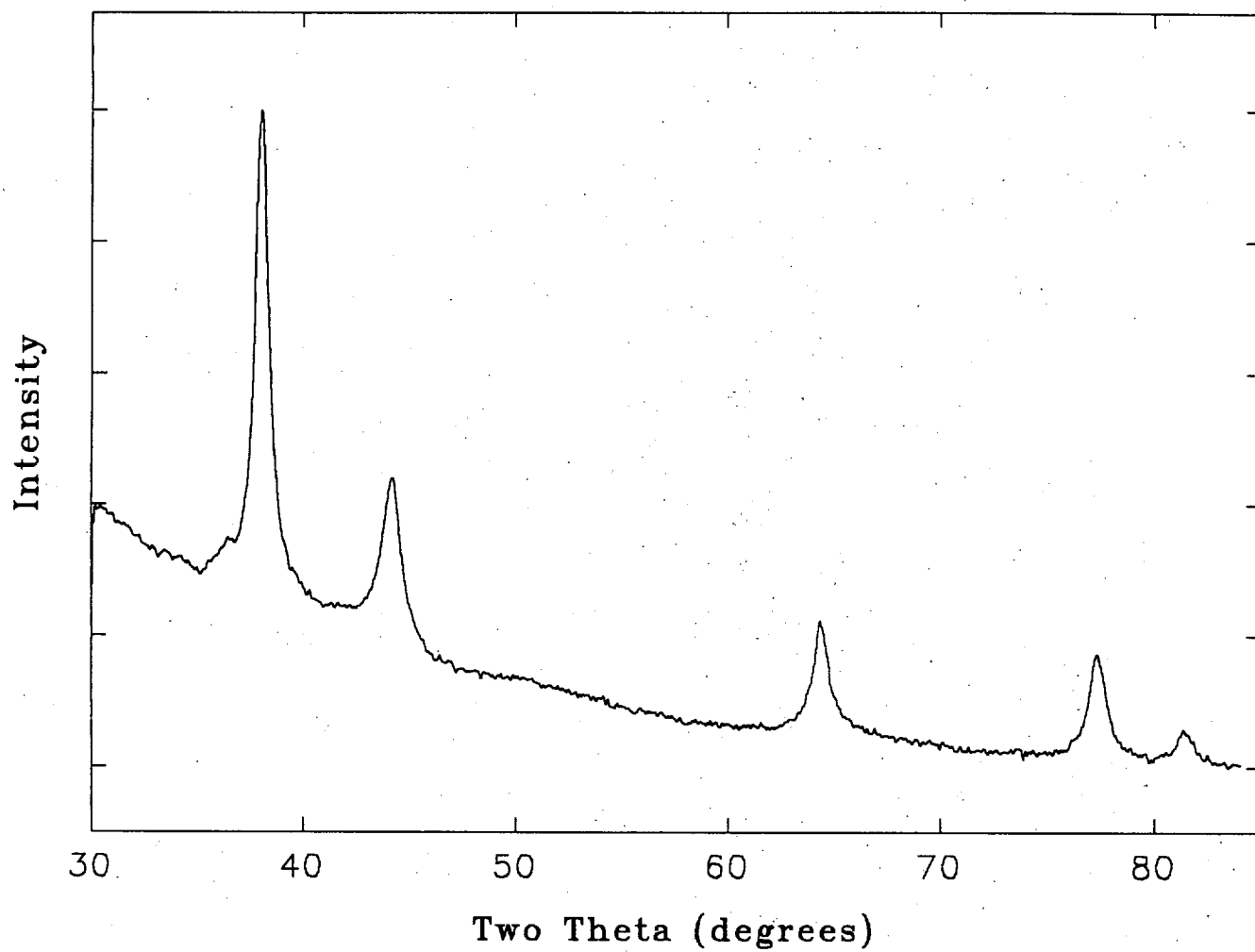
- (1) A statistical analysis of the Ag_2S nanoparticles yields an average particle size of 7.3 nm and a size distribution standard deviation of 1.7 nm.
- (2) Powder X-ray diffraction pattern of PVP polymer protected Ag_2S nanoparticles.
- (3) A statistical analysis of the Ag metal nanoparticles yields an average particle size of 5.6 nm and a size distribution standard deviation of 0.78 nm.
- (4) Powder X-ray diffraction pattern of PVP polymer protected Ag metal nanoparticles.







(3)



(4)