

Template Free Synthesis of Dendritic Silver Nanostructure and Its Application to Surface Enhanced Raman Scattering

Mohammad Mydul Alam, Wei Ji, Hom Nath Luitel, Yukihiro Ozaki, Takanori Watari, Kenichi
Nakashima

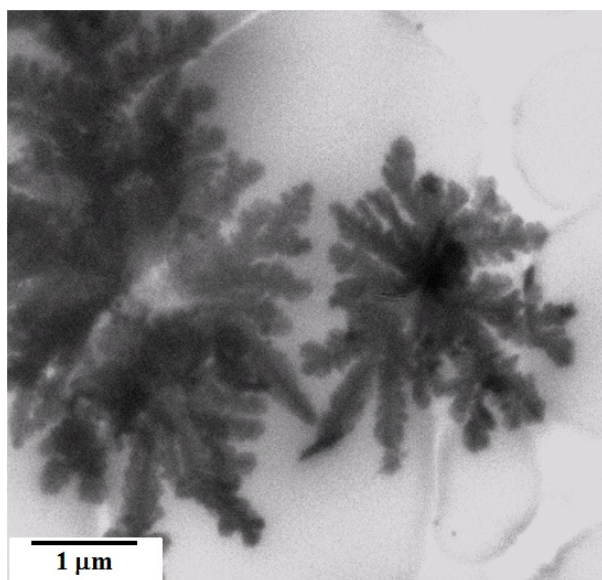


Fig. S1. TEM image of a dendritic silver nanostructure.

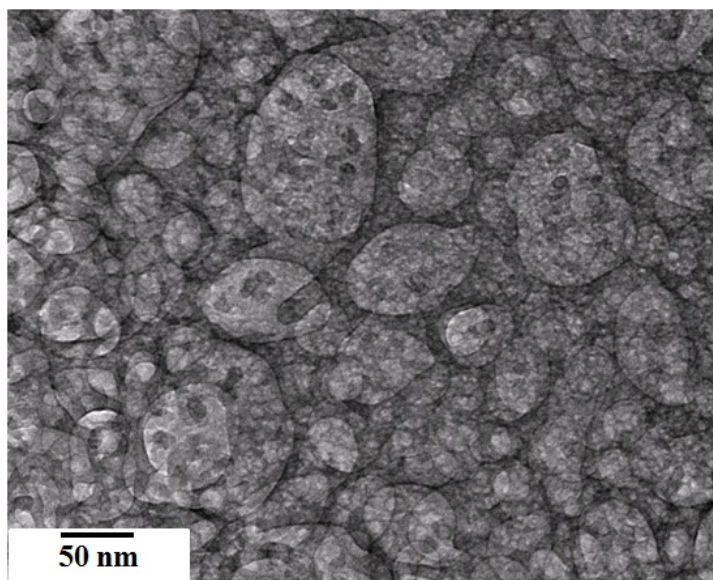


Fig. S2. TEM image showing breakdown of dendritic silver nanostructure after centrifugation at 12000 rpm for 20 min.

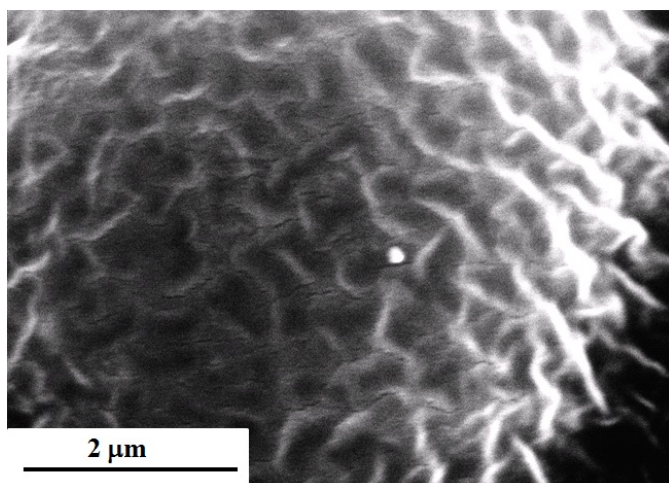


Fig. S3. SEM image of the dendritic silver nanostructure.

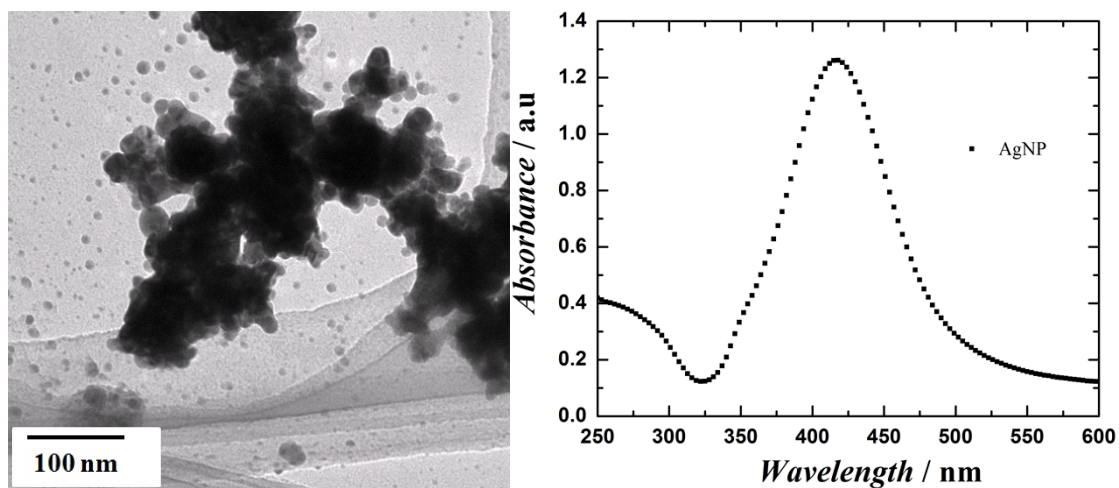


Fig. S4. TEM image of silver nanoparticles (AgNP) and corresponding UV-vis spectrum when the reducing agent was NaBH_4 .

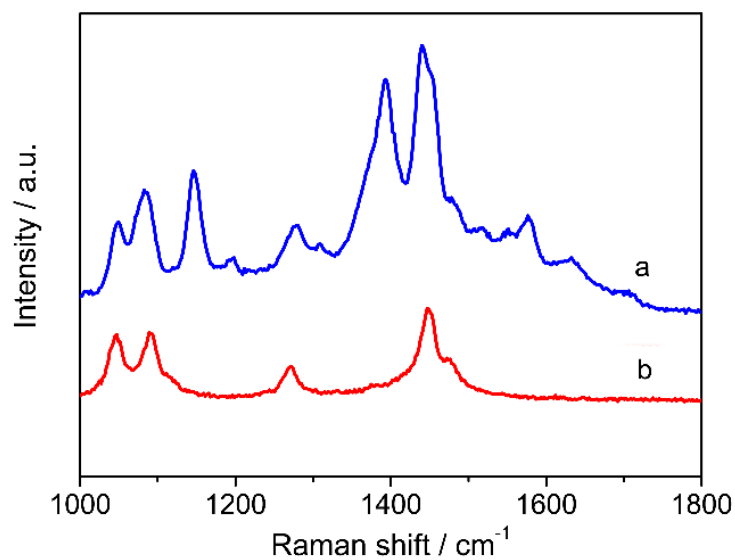


Fig. S5. (a) SERS spectrum of PATP molecules (1×10^{-7} M) on dendritic Ag NPs and (b) Raman spectrum of ethanol molecules.