

## SUPPORTING INFORMATION

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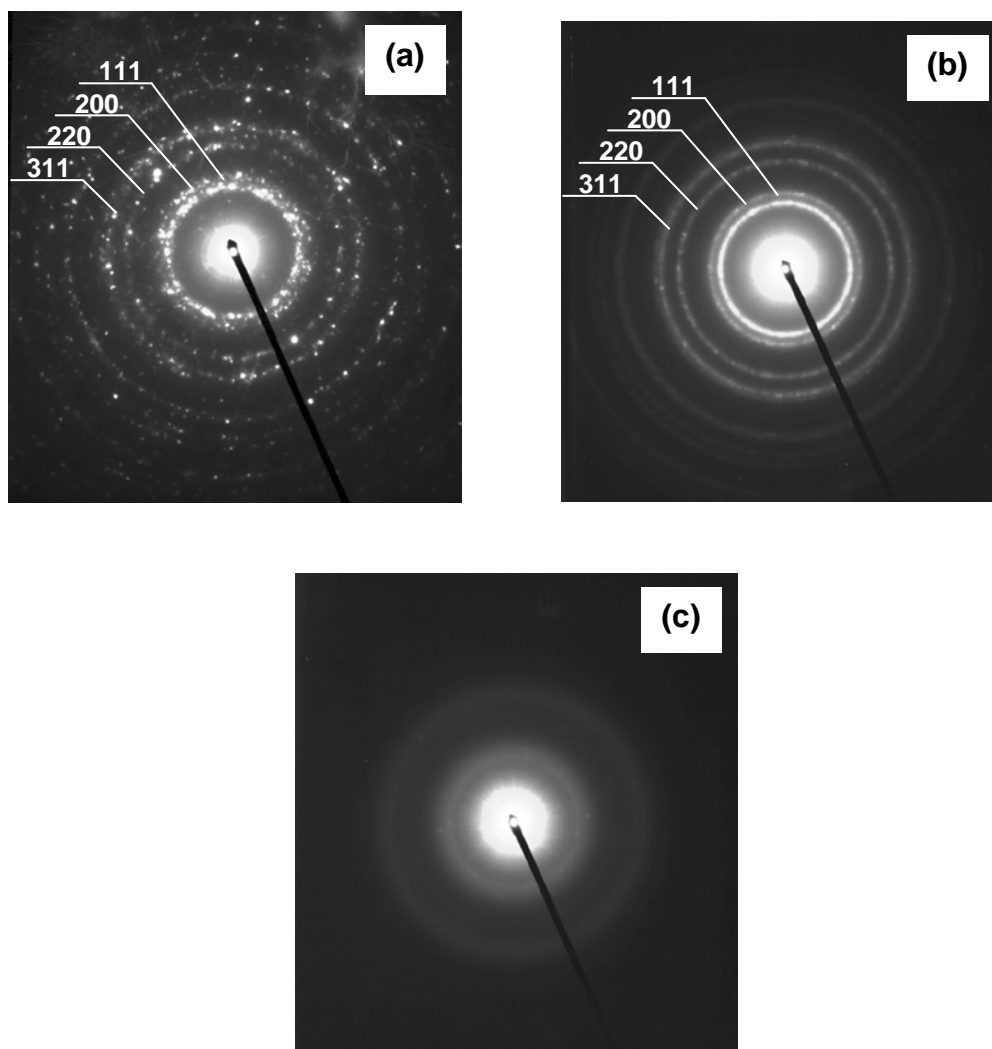
### **Preparation of THPC-Generated Silver, Platinum, and Palladium Nanoparticles and Their Use in the Synthesis of Ag, Pt, Pd, and Pt/Ag Nanoshells**

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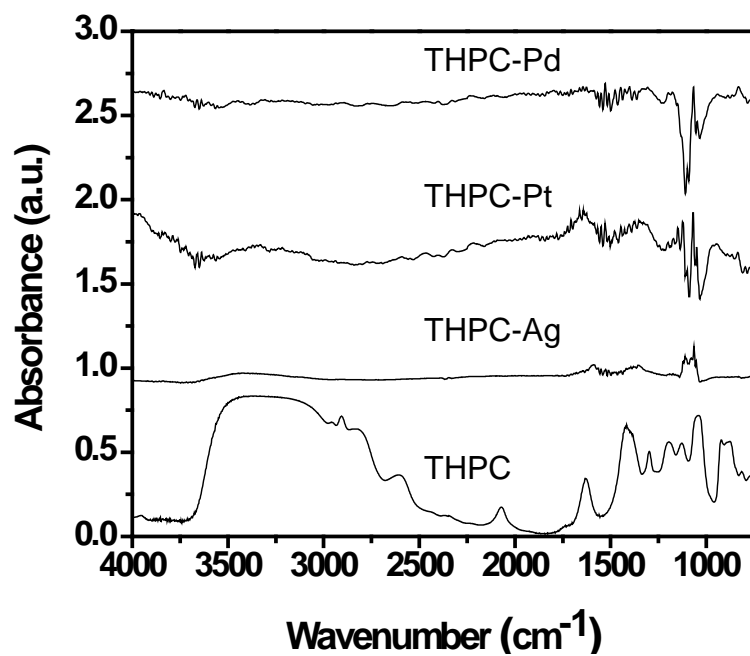
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**Figure S1.** Selected area electron diffraction (SAED) patterns of THPC metal nanoparticles: (a) silver, (b) platinum, and (c) palladium.



**Figure S2.** Fourier transform infrared (FT-IR) spectra of THPC silver, platinum, and palladium nanoparticles.