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## **Supporting Information**

# An organic phase transmetallation approach for the synthesis of hollow Ni-Au nanocomposite with a tunable cavity size

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#### **Supporting Information SI-1**

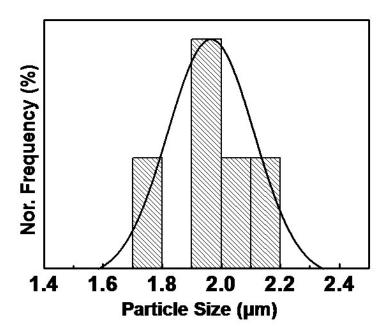


Fig. SI-1 Particle size distribution histogram of phase transferred Ni nanoparticles.

### **Supporting Information SI-2**

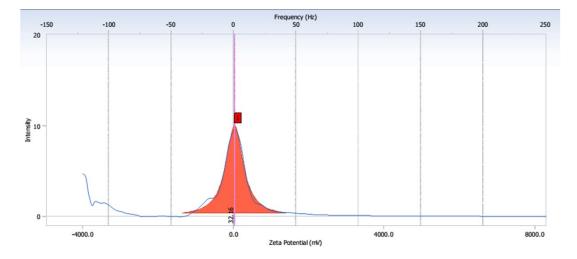


Fig. SI-2 Raw data of Zeta potential of phase transferred Ni nanoparticles.

#### **Supporting Information SI-3**

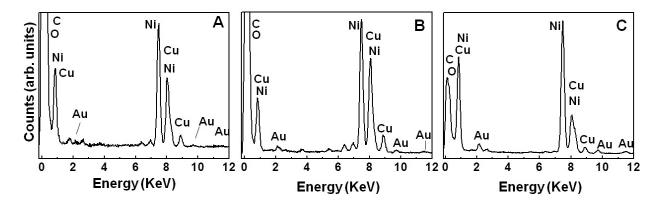


Fig. SI-3 EDX spectra of (A) Sample-1 (B) Sample-2 and (C) Sample-3 of Ni-Au nanocomposite.