Supporting information

Nanoparticle Assembling through Click Chemistry Directed by Mixed SAMs for Magnetic Applications

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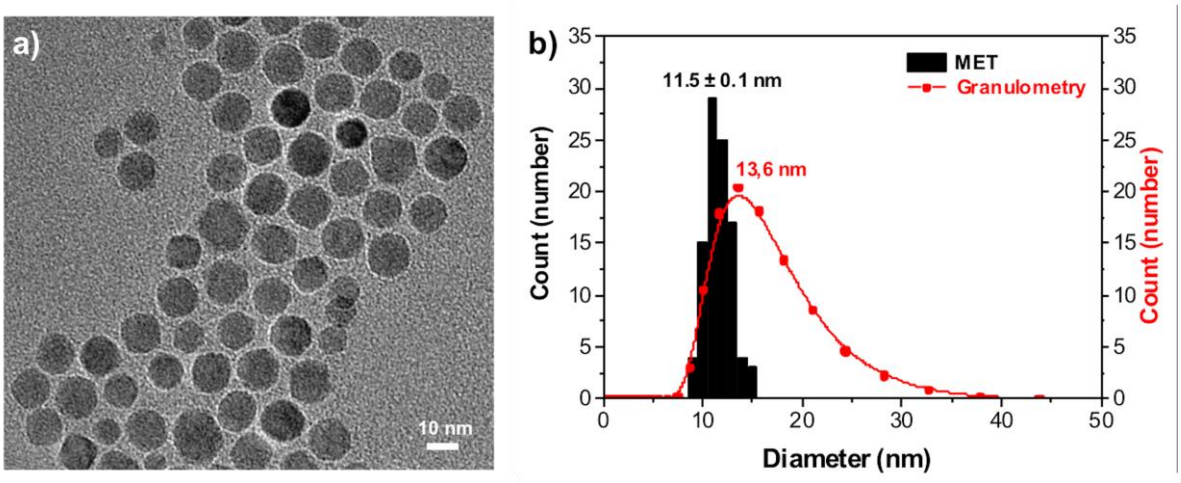

Figure S1. Azido terminated nanoparticles. a) TEM micrograph showing the narrow size distribution and homogeneous spherical shape. b) Size distribution measured from TEM micrograph and hydrodynamic diameter measured by granulometry from NP@N_3 suspension in THF. The hydrodynamic diameter is centered (about 13.6 nm) which is a slightly higher value than the size distribution which agree with coating of nanoparticle by AP12N_3 molecule. The monomodal distribution of hydrodynamic diameter agrees with the absence of aggregate in the solution.

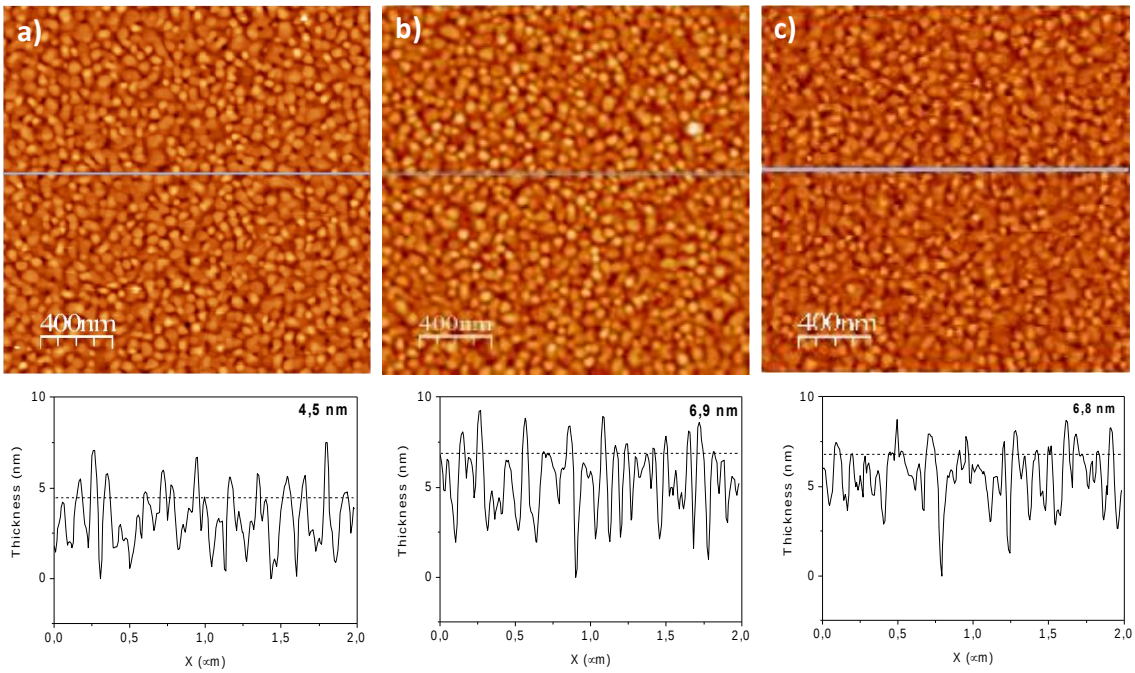

Figure S2. AFM height images and cross section profiles corresponding to lines of a) gold substrate, b) SAM-0 and c) SAM-1.

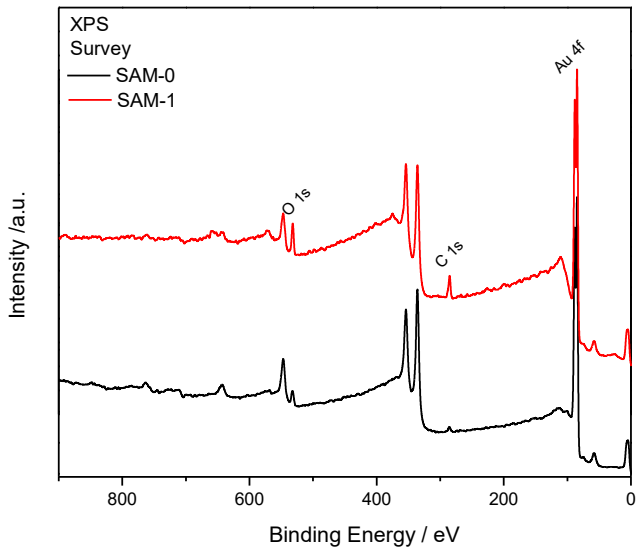

Figure S3. Survey XPS scans recorded for SAM-0 and SAM-1.