

Magnetic Properties of Mono- and Multilayer Assemblies of Iron Oxide Nanoparticles Promoted by SAMs

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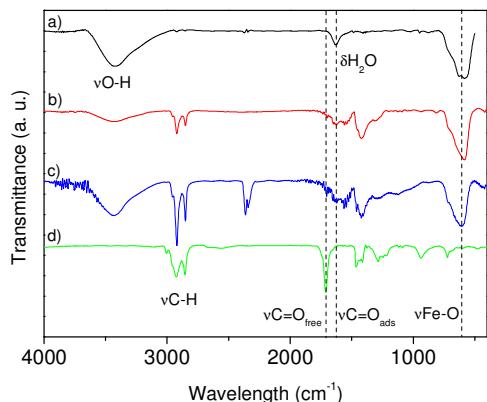


Figure S1. FTIR spectra of a) NP_{cop}, b) NP_{cop}@OA, c) NP_{dec}@OA, d) oleic acid.

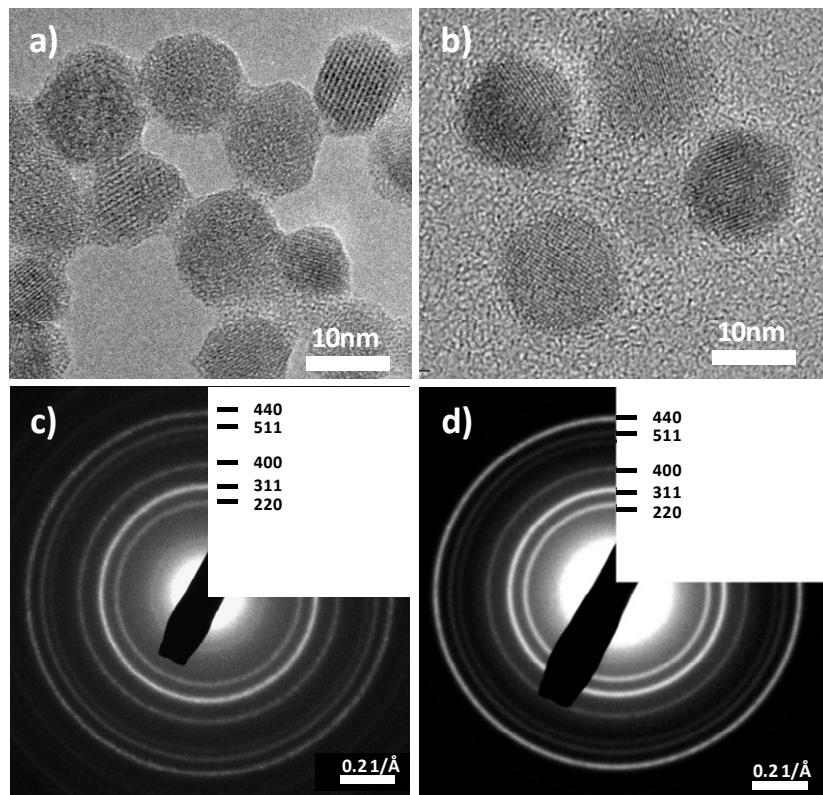


Figure S2. HRTEM micrographs of a) NP_{cop}@OA and b) NP_{dec}@OA and electron diffraction patterns of c) NP_{cop}@OA and d) NP_{dec}@OA.

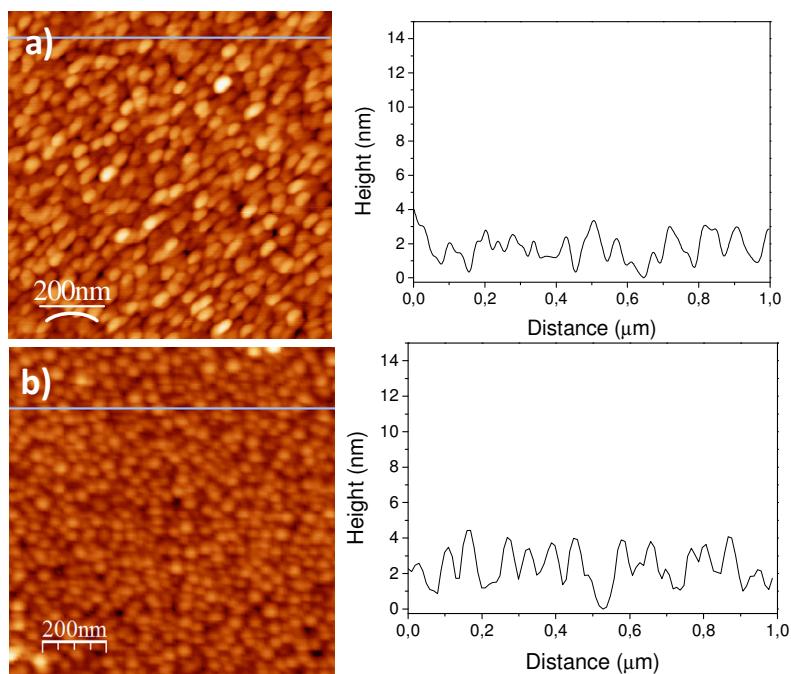


Figure S3. AFM height images (top) and cross-section profile (down) of a) gold substrate and b) SAM-PO₃H₂.

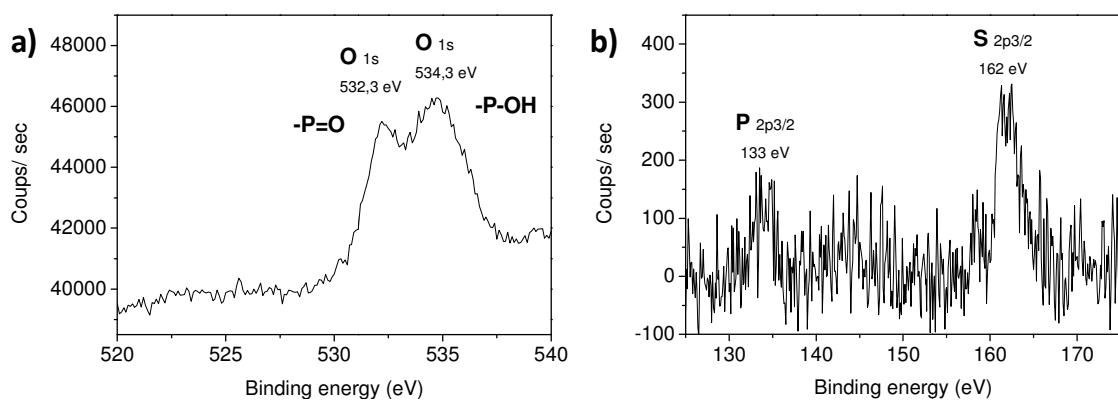


Figure S4. XPS spectra of SAM-PO₃H₂. a) Oxygen signals. b) Phosphorous and sulfur signals.

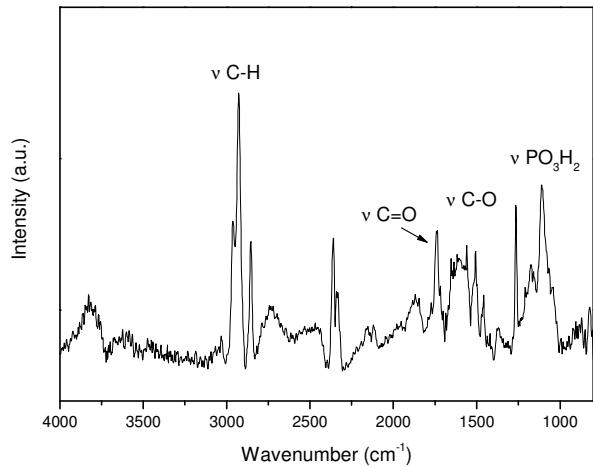


Figure S5. PM-IRRAS spectrum of SAM-PO₃H₂.

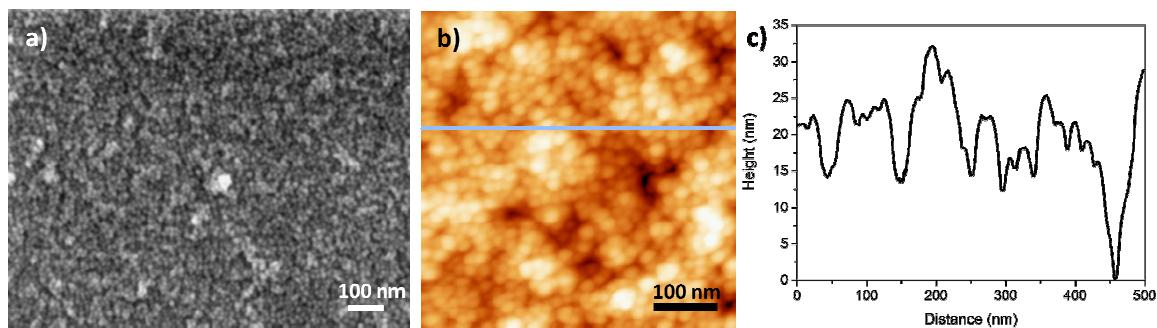


Figure S6. Two layers of NP_{dec}@OA assembled on SAM-PO₃H₂. a) SEM micrograph. b) AFM height image. c) Profile cross-section corresponding to the line in b).