Supplementary Materials

A New Coordination Polymer Precursor Approach to the Synthesis of NiFe Bimetallic Nanoparticles within Hybrid Mesoporous Silica

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Figure 1S. Infrared spectra of 2a (solid line) and 3a (dashed line).



Figure 2S. Powder X-Ray diffraction pattern within the range of $2\theta (20 - 60^\circ)$ for the sample obtained by calcinations of Ni₃[Fe(CN)₆]₂ at 700 °C under argon atmosphere.



Figure 3S. TEM micrograph for the sample obtained by calcinations of $Ni_3[Fe(CN)_6]_2$ at 700 °C under argon atmosphere.



Figure 4S. Powder X-Ray diffraction pattern within the range of $2\theta (40 - 100^{\circ})$ for the sample obtained by calcinations of Ni₃[Fe(CN)₆]₂ at 400 °C under hydrogen atmosphere.



Figure 5S. TEM image of 1a. Scale bar = 50 nm.



Figure 6S. EDAX measurement performed on one NiFe nanoparticle within nanocomposite 3a.