

SOL-GEL MATERIALS WITH TRAPPED TRINUCLEAR CLASS-II MIXED-VALENCE MACROCYCLIC COMPLEXES THAT MIMIC THEIR SOLUTION REDOX BEHAVIOUR

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FIGURE S1.-Changes of the UV-Vis spectrum of a sample of the immobilized
[$\{L_{15S}Co^{III}(\mu-NC)\}Fe^{II}(CN)_5\}^-$ complex upon oxidation with a 0.1 M solution of $S_2O_8^{2-}$
at pH 3.

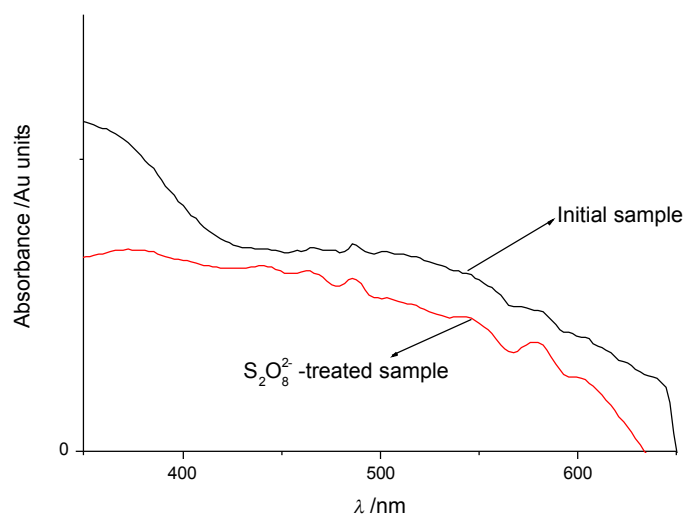


FIGURE S2.-IR spectra of the CN bond stretching region for the immobilized $[\{L_{15Si}Co^{III}(\mu-NC)\}Fe^{II}(CN)_5]^-$ complex (bottom) and that obtained upon oxidation, $[\{L_{15Si}Co^{III}(\mu-NC)\}Fe^{III}(CN)_5]^0$ (top).

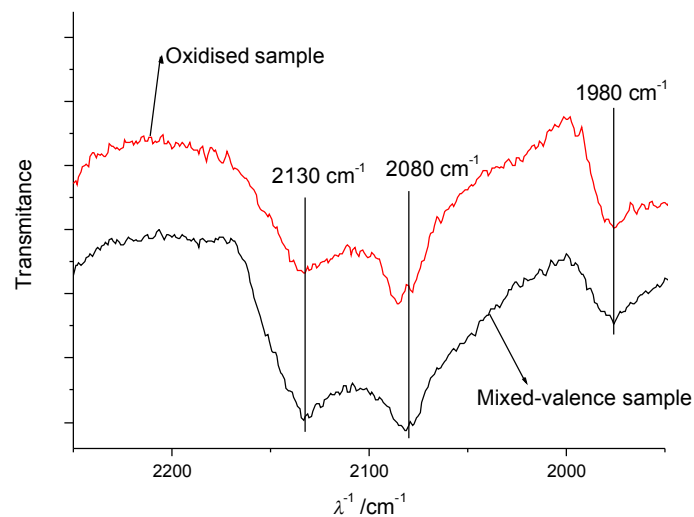


FIGURE S3.-Nitrogen adsorption-desorption isotherm for the sample containing trapped *trans*- $[\{L_{15}Co^{III}(\mu-N C)\}_2Fe^{II}(CN)_4]^{2+}$ complex.

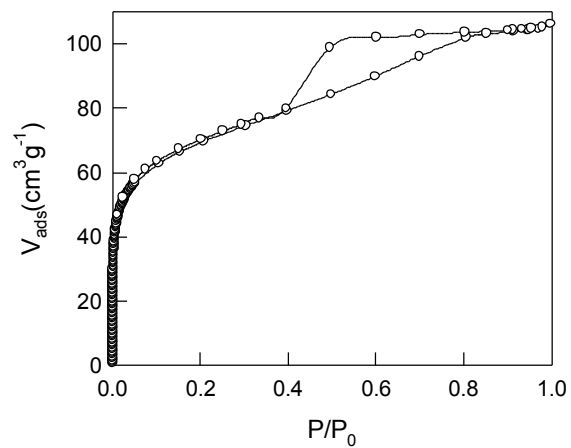


FIGURE S4.- *a)* BJH pore size distribution for a sample containing trapped *trans*- $[\{L_{15}Co^{III}(\mu\text{-NC})\}_2Fe^{II}(CN)_4]^{2+}$. *b)* MP pore size distribution for the same sample.

