

Supplementary information for the manuscript

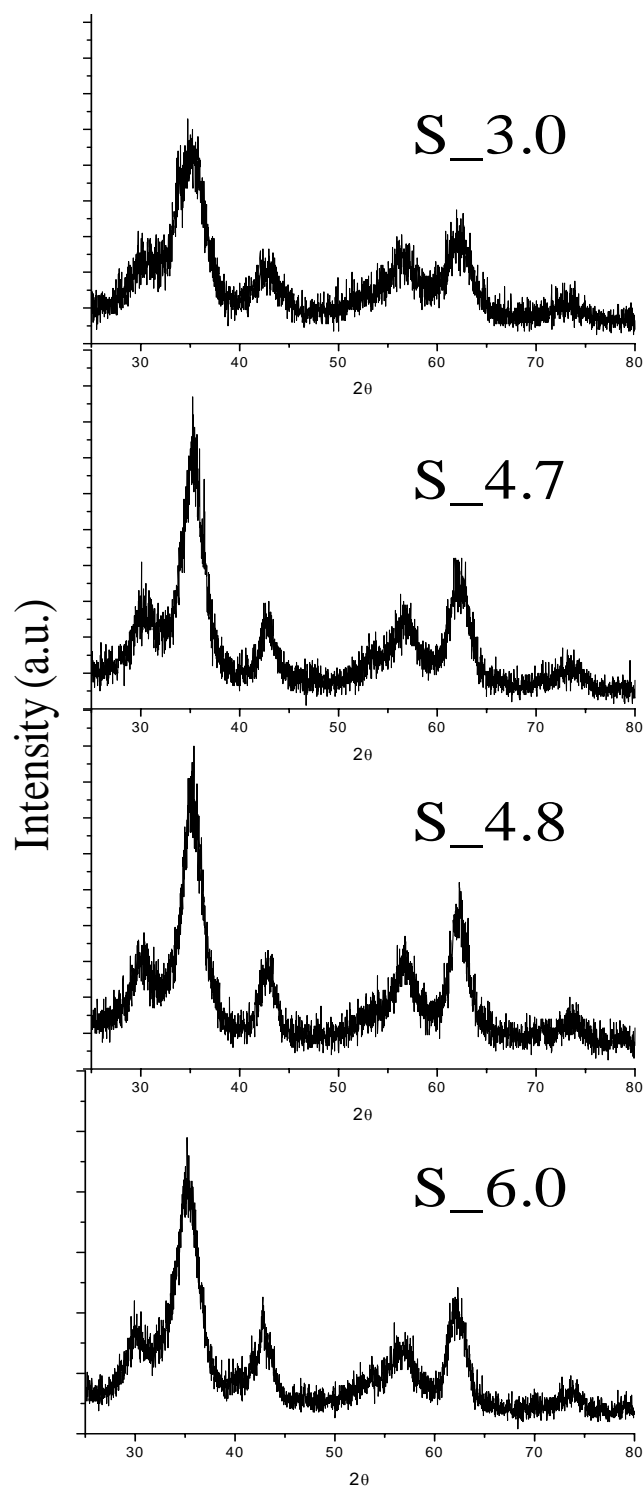
# Synthesis and Microstructure of Manganese Ferrite Colloidal Nanocrystals

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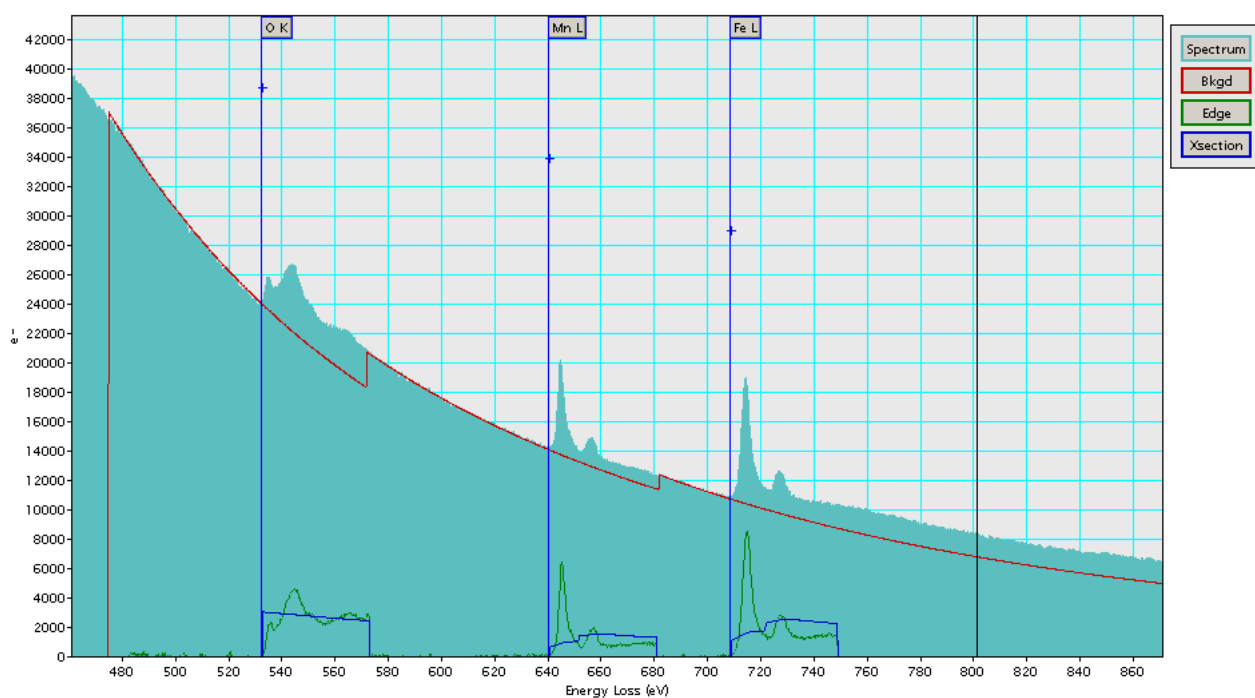
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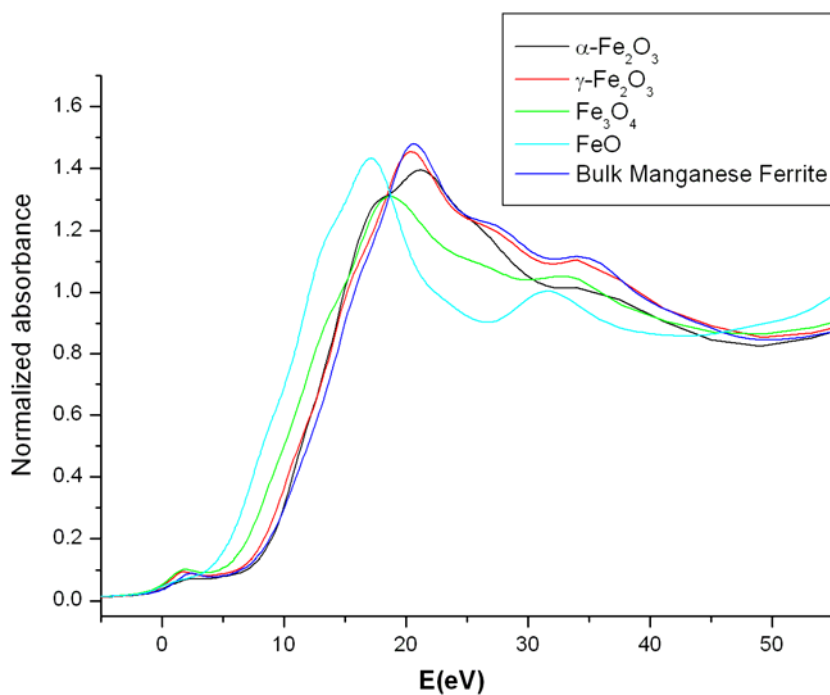
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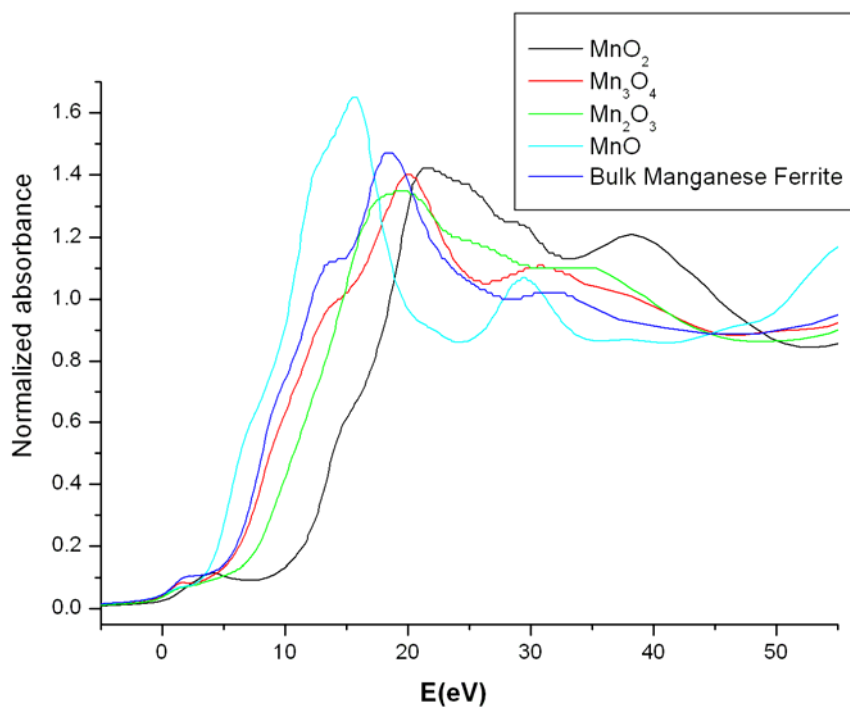
**Figure SI-1.** XRD patterns for the samples recorded with Cu K $\alpha$  radiation.



**Figure SI-2.** EELS spectrum of S<sub>4.8</sub> sample



**Figure SI-3.** XANES spectra at the Fe K-edge of several Fe oxide standards



**Figure SI-4.** XANES spectra at the Mn K-edge of several Mn oxide standards