

Electric Supplementary Information

Well-defined SiO₂-coated Fe₂Co nanoparticles prepared by reduction
with CaH₂

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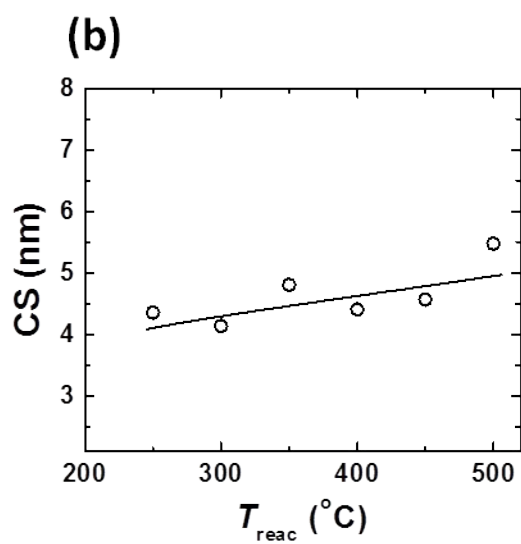
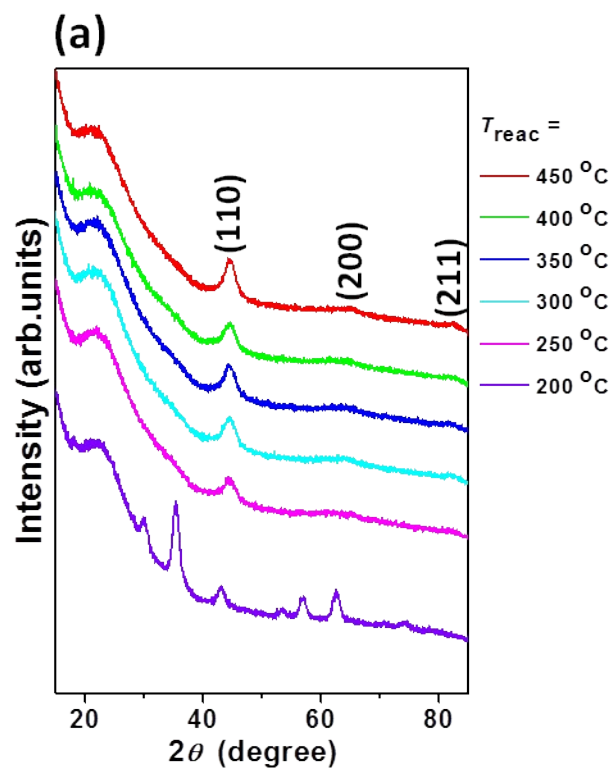


Figure S1. (a) XRD patterns and (b) crystallite sizes (CSs) as a function of the reaction temperature (T_{reac}). Reaction time was 12 hrs. The solid line in panel (b) is a guide to eye.

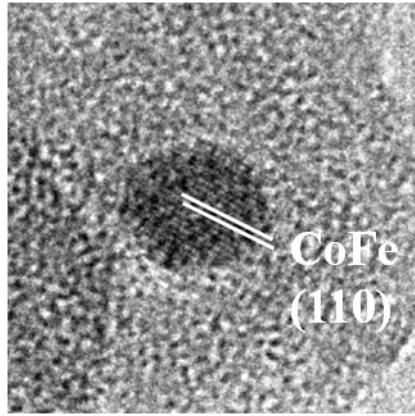


Figure S2. Enlarged image of Figure 3(b).

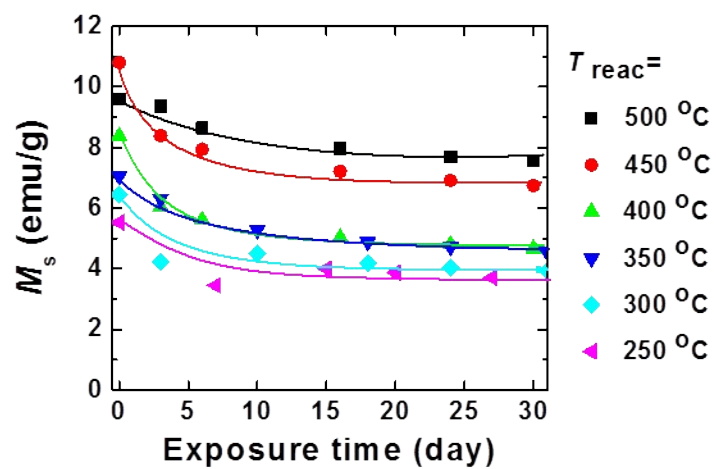


Figure S3. Time evolution of M_s of the samples prepared at different reaction temperatures (T_{reac}) for 12 hrs exposed to air at room temperature.

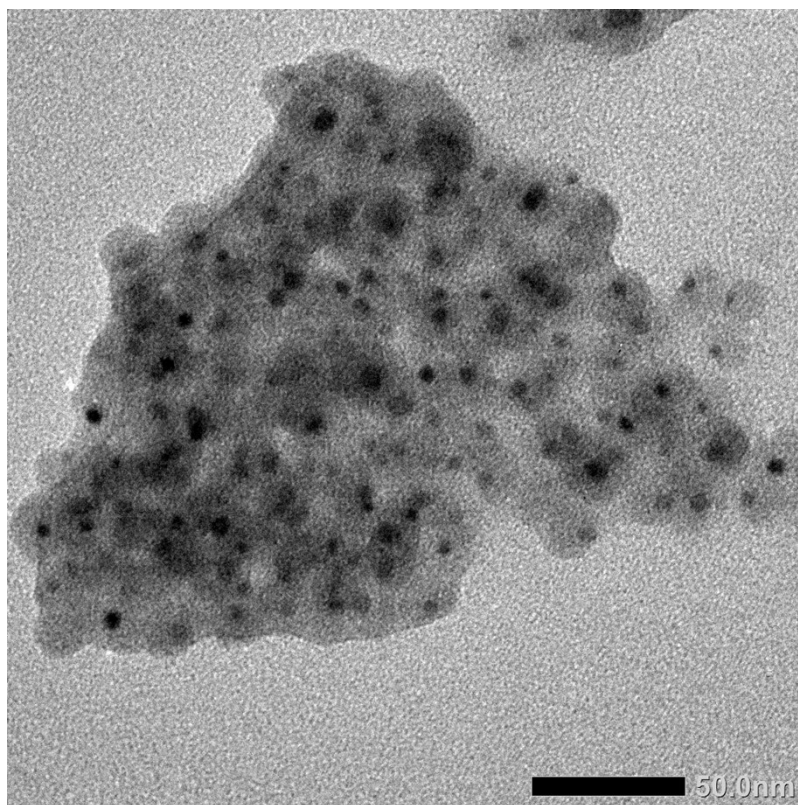


Figure S4. Low magnification TEM image of the sample reduced at 500 °C for 12 hr in a stream of H₂. The nanoparticles heavily sintered to lose their pristine shape.