

Novel synthesis of highly monodispersed γ -Fe₂O₃/SiO₂ and ϵ -Fe₂O₃/SiO₂ nanocomposite spheres

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Electronic Supplementary Information

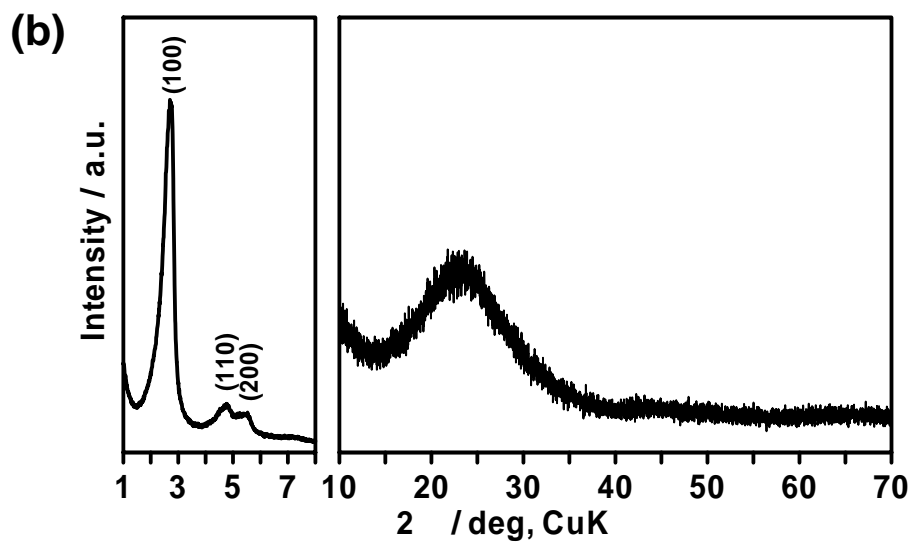
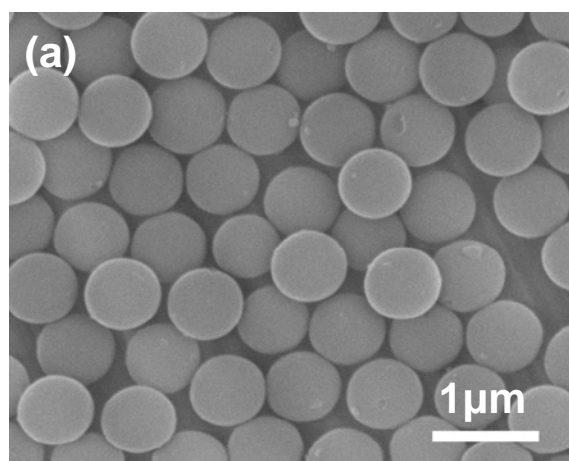


Fig. SI-1. SEM image (a) and XRD pattern (b) for MMSS used in this study.

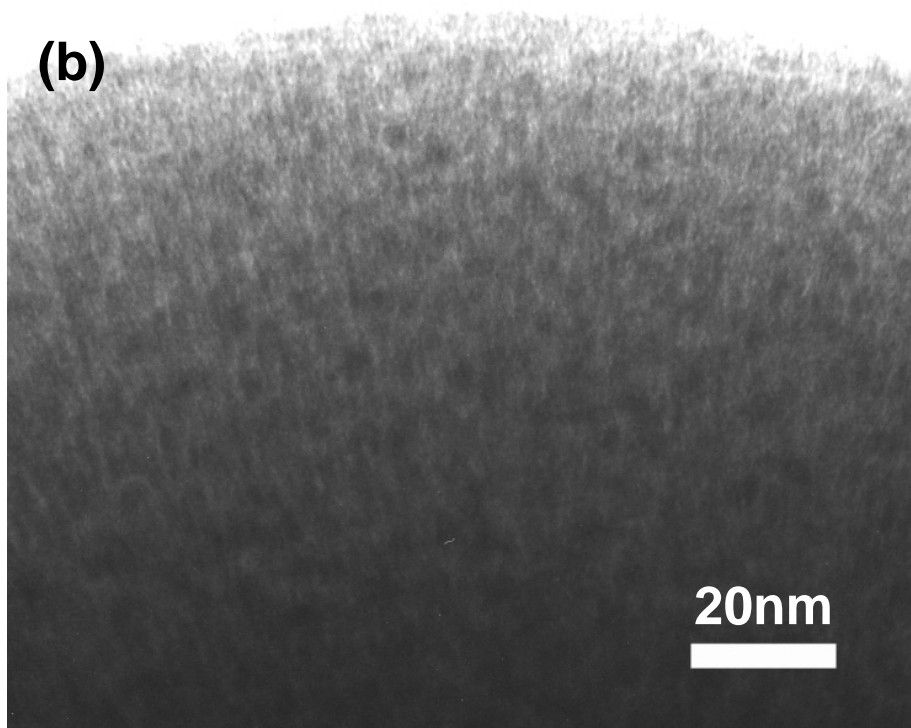


Fig. SI-2a. Enlarged TEM images of Fig.1(b).

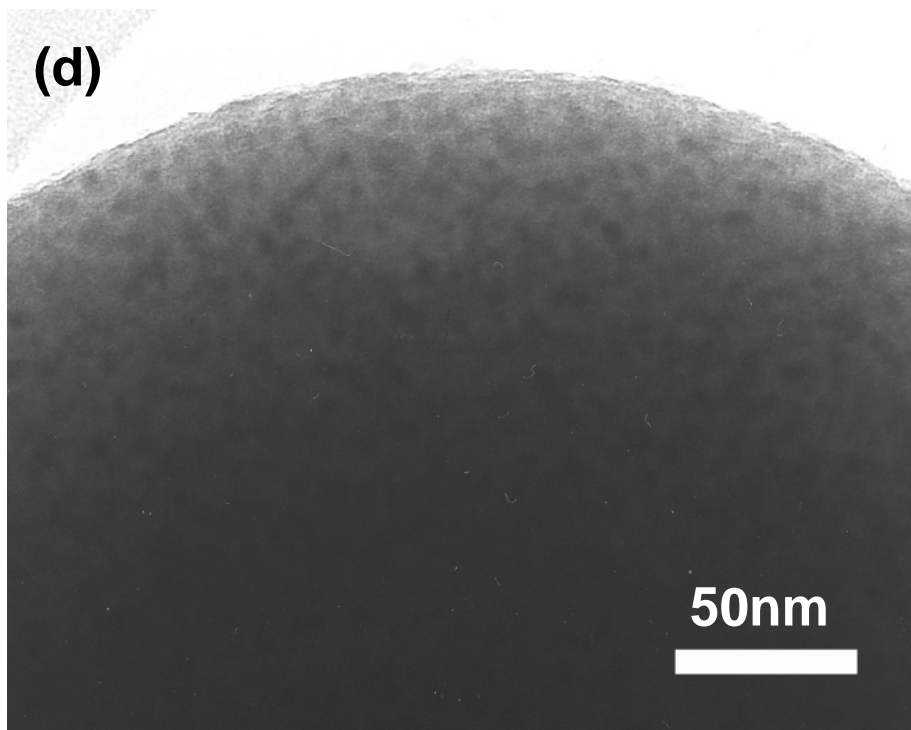


Fig. SI-2b. Enlarged TEM images of Fig.1(d).

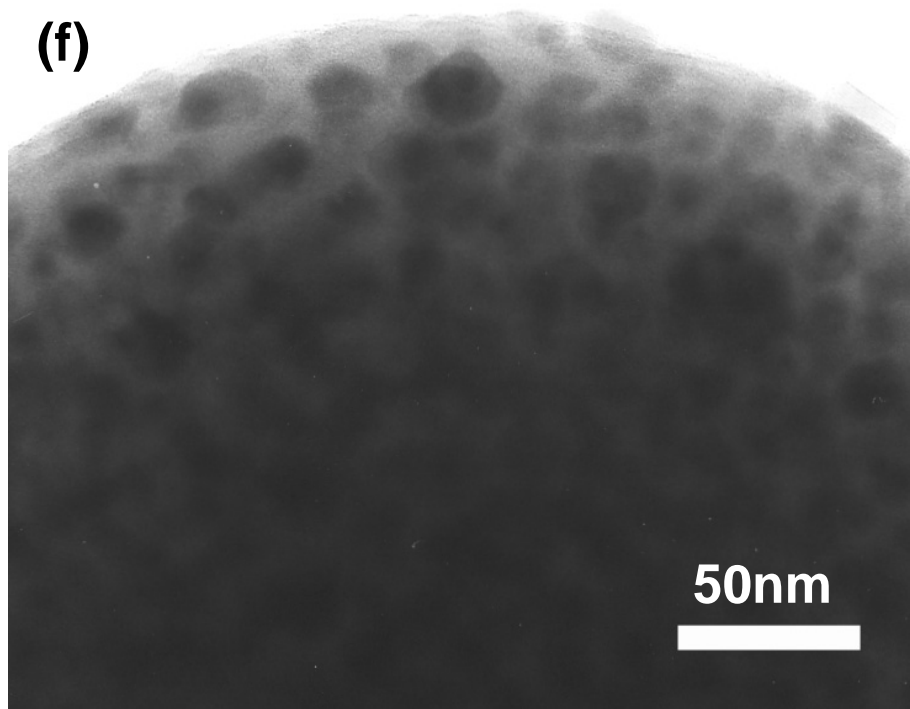


Fig. SI-2c. Enlarged TEM images of Fig.1(f).

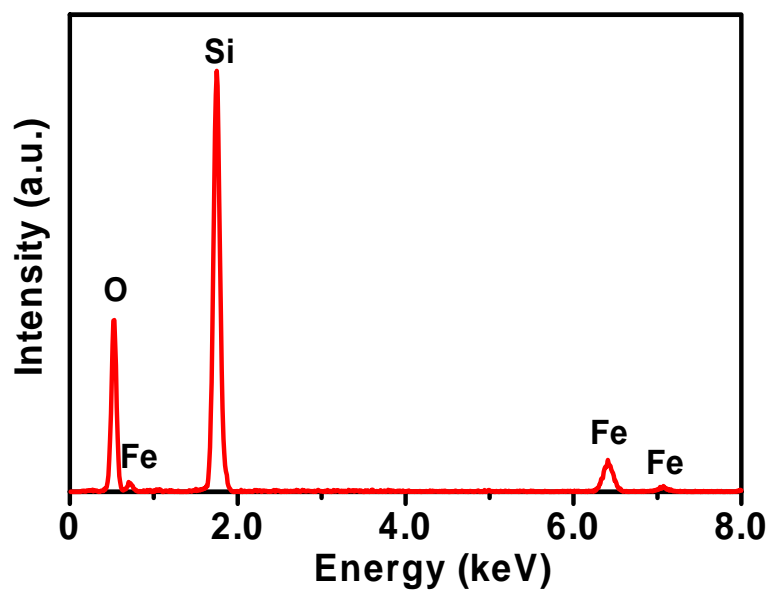


Fig. SI-3. EDX spectrum for nanocomposite spheres calcined at 1273 K.

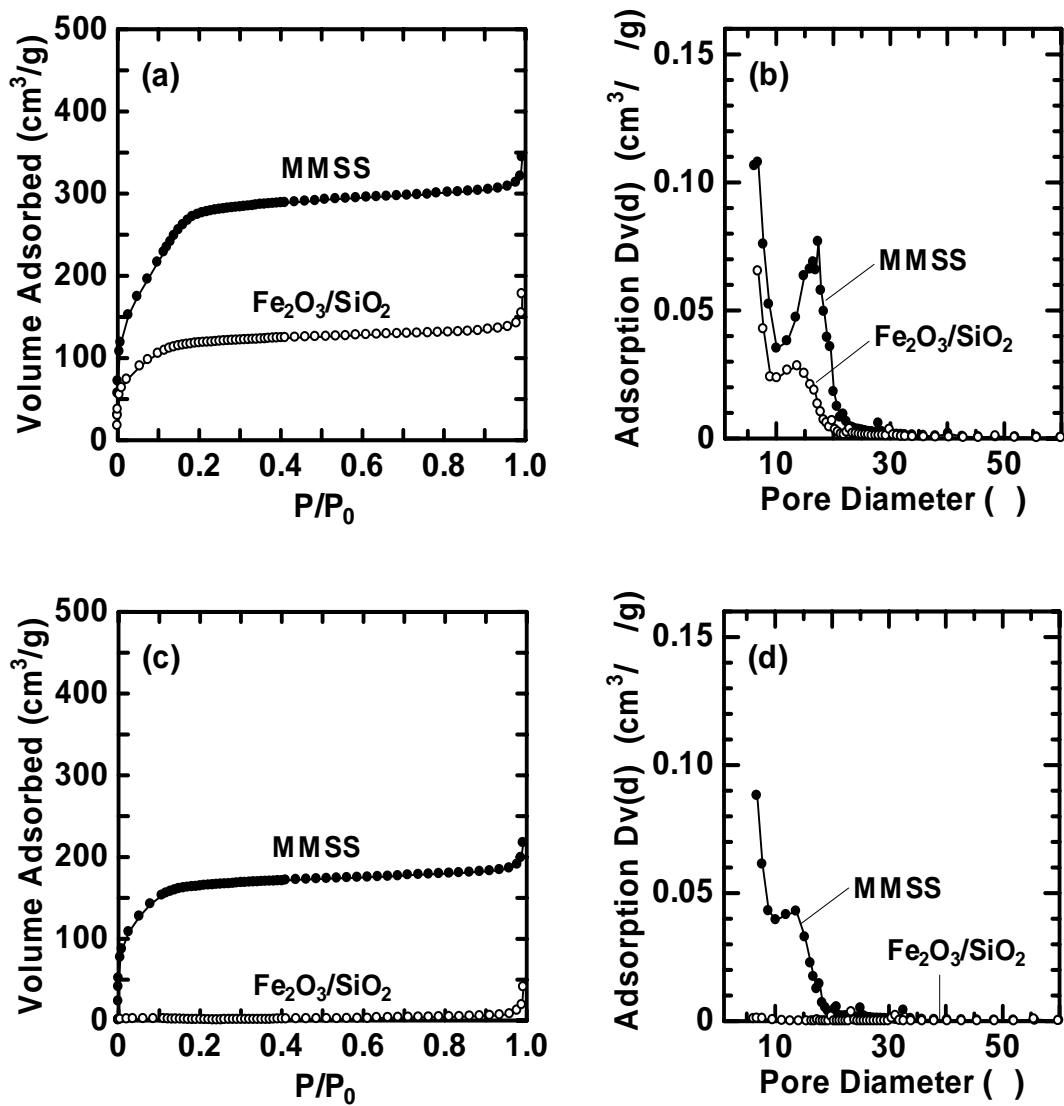


Fig. SI-4. N₂ adsorption isotherms (a, c) and corresponding pore size distribution curves (b, d) for MMSS hosts and Fe₂O₃/SiO₂ nanocomposite spheres calcined at 1173 K (a, b) and 1273 K (c, d)