

Supplementary Information

Monitoring nanoscale gelation using magnetic nanoparticles

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Electronic Supplementary Information

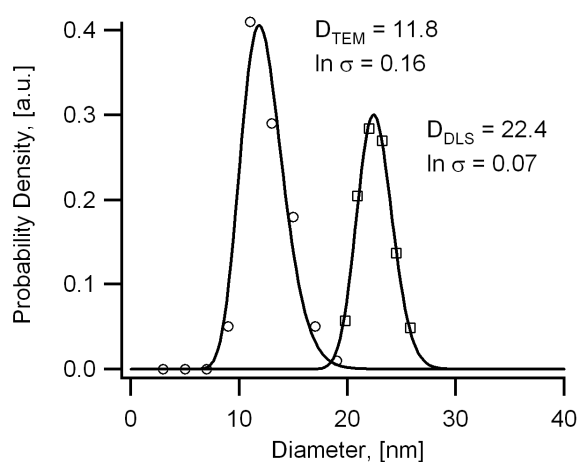


Figure SI-1: Diameter distributions obtained from TEM (left) and dynamic light scattering (right) for PEG coated CoFe₂O₄ nanoparticles.

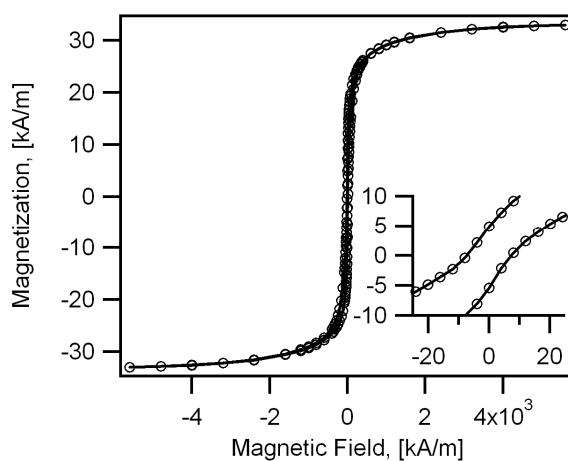


Figure SI-2: Equilibrium magnetization for CoFe₂O₄ nanoparticles coated with OA and fixed in paraffin at 27°C. There is a slight hysteresis (inset) with a coercivity of 7.5 kA/m.

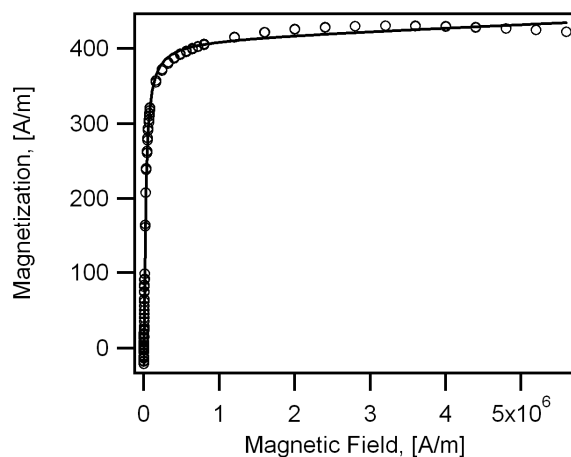


Figure SI-3: Equilibrium magnetization for CoFe₂O₄ nanoparticles coated with OA and suspended in hexane at 27°C.

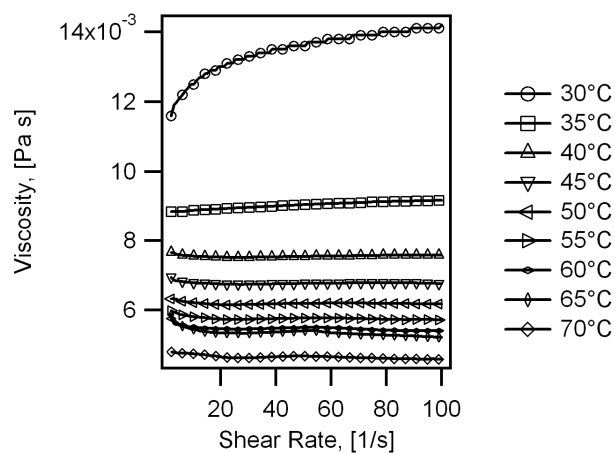


Figure SI-4: Shear rate dependence of viscosity for various temperatures. The solution appears Newtonian at 35°C and above and slightly shear thickening at 30°C.