## Supporting Information for

## Tuning of spinel magnesium ferrite nanoparticles with enhanced magnetic

## properties

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Fig. S1 High resolution TEM images of  $MgFe_2O_4$  magnetic nanoparticles synthesized at (a) 160 °C, (b) 180 °C and (c) 200 °C for 6 h, (d) 180 °C for 3 h and (e) 180 °C for 12 h.