Supporting Information

Novel Nanoparticles with Cr^{3+} Substituted Ferrite for Self-regulating Temperature Hyperthermia†

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Table S1 The theoretical and measured element ratios of nanoparticles

$Zn_xCo_{1-x}Cr_{0.6}Fe_{1.4}O_4$	Theoretical molar ratio (Zn:Co:Cr:Fe)	Measured molar ratio (Zn:Co:Cr:Fe)
x=0	0:1:0.6:1.4	0:1:0.55:1.45
x=0.2	0.2:0.8:0.6:1.4	0.275:0.725:0.54:1.46
x=0.4	0.4:0.6:0.6:1.4	0.452:0.548:0.59:1.41
x=0.54	0.54:0.46:0.6:1.4	0.539:0.461:0.54:1.46
x=0.56	0.56:0.44:0.6:1.4	0.547:0.453:0.53:1.47

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†Electronic supplementary information available: Table S1-The theoretical and measured element ratios of nanoparticles, Figure S1- Arulmurugan's results and its linear fitted curve.
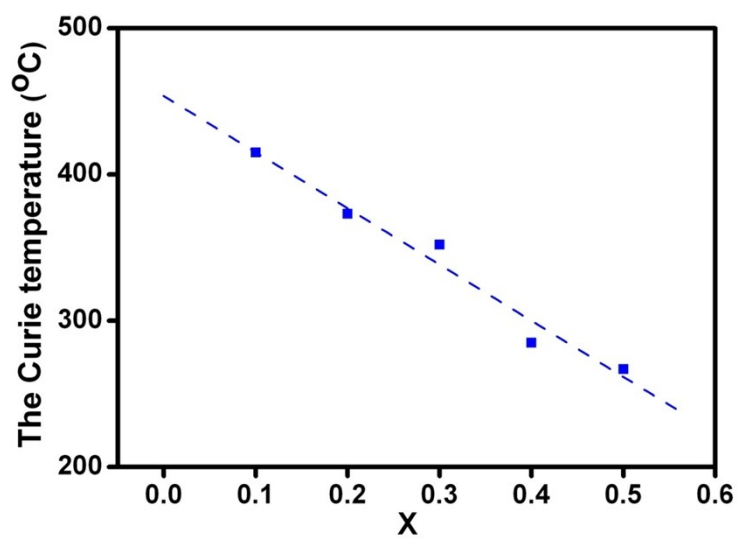
Fig. S1 Arulmurugan's results and its linear fitted curve (the slope, intercept and R-squared of the curve is -384, 453.6 and 0.99 respectively)