Correction to: Increase of magnetic hyperthermia efficiency due to optimal size of particles: theoretical and experimental results

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The original version of this article unfortunately contained a mistake: First, typo mistake on the address of the co-authors which is “Faculty of Applied Science” to “Faculty of Applied Sciences,” and second, the value of SARs (LRT, exp) are 26.81 W/g and 30.38 W/g for L1 and L2 (Table 5 and Fig. 9), respectively. The correct

ones are 30.31 W/g and 34.48 W/g for L1 and L2, respectively.

The corrected information is shown below:

1. Faculty of Applied Sciences.

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Table 5 The value of SAR_{exp} , SAR_{exp}^{hys} , SAR_{exp}^{LRT} of the Fe_3O_4 MNPs and SAR_{theo}^{LRT} with various standard deviation

Sample	Size nanoparticles (nm)	SAR_{exp} (W/g)	SAR_{exp}^{hys} (W/g)	SAR_{exp}^{LRT} (W/g)	SAR_{theo}^{LRT} (W/g)		
					Monodisperse	Polydisperse	
					$\sigma=0$	$\sigma=0.2$	$\sigma=0.4$
L1	5	30.31	0	30.31	0.3	0.5	6.8
L2	10	34.48	0	34.48	2.6	32.8	68.9
L3	12	48.07	10.45	37.62	7.5	81.9	96.2
L4	15	64.79	10.81	53.98	60.1	162.9	123.6
L5	20	123.31	10.82	112.49	305.1	195.6	132.3

Fig. 9 SAR_{exp} versus D of Fe_3O_4 MNPS **Fig. 9** SAR_{exp} versus D of Fe_3O_4 MNPS

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