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Correction: Mn-ferrite nanoparticles as promising magnetic tags for radiofrequency inductive detection and quantification in lateral flow assays

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Correction for 'Mn-ferrite nanoparticles as promising magnetic tags for radiofrequency inductive detection and quantification in lateral flow assays' by Vanessa Pilati et al., *Nanoscale Adv.*, 2024, 6, 4247–4258, <https://doi.org/10.1039/D4NA00445K>.

The authors regret that eqn (2) was incorrectly shown as a duplication of eqn (3). The correct eqn (2) is as follows:

$$S(\%) = \frac{\int (Z - Z_0) dl}{\Delta I(Z_0)} \times 100 \cong \sum_{i=1}^N \frac{(Z_i - Z_{0i})}{Z_{0i}} \times 100. (2)$$

Eqn (3) remains correct and therefore unchanged.

Additionally references to the sensor resolution within the section named '3.4. Inductive response of the NPs in the sensor' had been incorrectly expressed as nanograms (ng), whereas they should be micrograms (μg). The corrected text can be seen below.

'We obtained a resolution of only 0.72 μg for S2 NPs and 0.87 μg for S1 NPs, outperforming our previous best result of 1.6 μg for magnetite nanoclusters.⁷

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

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