Nanoscale Advances

ROYAL SOCIETY OF CHEMISTRY

CORRECTION

View Article Online
View Journal | View Issue

Cite this: *Nanoscale Adv.*, 2025, **7**, 371

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

Vanessa Pilati,*[ab] María Salvador,[ac] Leyre Bei Fraile,[a] José Luis Marqués-Fernández,[a] Franciscarlos Gomes da Silva,[b] Mona Fadel,[a] Ricardo López Antón,[d] María del Puerto Morales,[c] José Carlos Martinez-García[ae] and Montserrat Rivas[ae]

DOI: 10.1039/d4na90118e

rsc.li/nanoscale-advances

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:

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

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.

[a]*Departamento de Física, Universidad de Oviedo, Campus de Viesques, Gijón, 33204, Spain. E-mail: pilativanessa@uniovi.es*
[b]*Complex Fluids Group, Instituto de Física & Faculdade UnB – Planaltina, Universidade de Brasília, Brasília, 70910-900, Brazil*
[c]*Departamento de Nanociencia y Nanotecnología, Instituto de Ciencia de Materiales de Madrid (ICMM), Madrid, 28049, Spain*
[d]*Instituto Regional de Investigación Científica Aplicada (IRICA) and Departamento de Física Aplicada, Universidad de Castilla-La Mancha, Ciudad Real, Spain*
[e]*Instituto Universitario de Tecnología Industrial de Asturias (IUTA), Gijón, 33203, Spain*