Nanoscale

CORRECTION

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Cite this: *Nanoscale*, 2021, **13**, 1365

Correction: Electrostatically modulated magnetophoretic transport of functionalised iron-oxide nanoparticles through hydrated networks

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DOI: 10.1039/d0nr90262d

rsc.li/nanoscale

Correction for 'Electrostatically modulated magnetophoretic transport of functionalised iron-oxide nanoparticles through hydrated networks' by Stephen Lyons *et al.*, *Nanoscale*, 2020, **12**, 10550–10558, DOI: 10.1039/D0NR01602K.

This erratum relates to Fig. 3 and 4 in the published manuscript, where the labels of both *y*-axes as given are incorrect. The label given in the published manuscript for both figures is v_{exp}/d_{hyd}. This should be corrected to $v_{exp}{\cdot}d_{hyd}$ and the units should be $mm^2\ h^{-1}$. The numerical values for the data are correct and remain unchanged (hence, it is a mis-labelling). The same labelling error (v_{exp}/d_{hyd} in place of $v_{exp}{\cdot}d_{hyd}$) was made in two places in the text (page 10555 in the "Electrostatic effects on magnetophoretic mobility" section). The scaling of the v_{exp} values in this way (as a product with d_{hyd}) is consistent with expectation, as formulated by eqn (1). Hence, there is no change to the interpretation of the results or any of the conclusions.

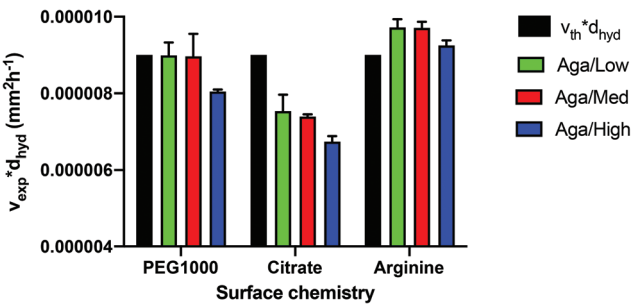

Fig. 3 Normalised magnetophoretic velocities, $v_{exp}{\cdot}d_{hyd}$, for PEG1000, citrate-, and arginine-MNP suspensions through the different classes of agarose–H_2O (Aga/Low, Aga/Med, Aga/High) (0.3% w/v). Error bars are included for all functionalised MNPs. The $v_{th}{\cdot}d_{hyd}$ values are represented as black bars.

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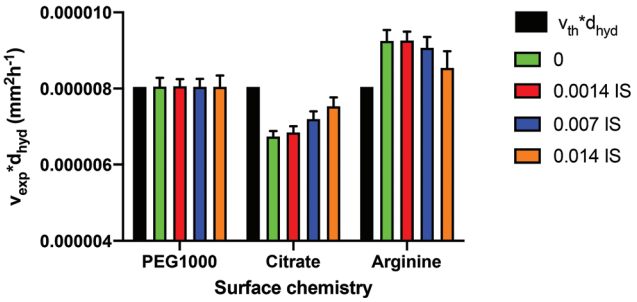

Fig. 4 Normalised magnetophoretic velocities, v_{exp}·d_{hyd}, for PEG1000-, arginine- and citrate-MNP suspensions through agarose–PBS (Aga/High, 0.3% w/v). MNP suspensions and agarose gels were prepared in PBS buffer to give IS of 0, 0.0014, 0.007 and 0.014 at pH 7.0. The v_{th}·d_{hyd} values are represented as black bars.

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