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Correction: Critical size effect for the surface heat capacities of nano-CdS: theoretical and experimental studies

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Correction for 'Critical size effect for the surface heat capacities of nano-CdS: theoretical and experimental studies' by Shengjiang Zhang *et al.*, *Phys. Chem. Chem. Phys.*, 2022, **24**, 6193–6207, https://doi.org/10.1039/D1CP04619E.

The published article contains errors in eqn (11) and (12) and incorrect figure captions for Fig. 2 and 3.

(1) In Section 2.2.2 "Relationships between molar surface thermodynamic and partial molar surface thermodynamic properties and particle size", the correct equations for (11) and (12) should read:

$$S_m^s = \left(\frac{\partial S^s}{\partial n}\right)_p = -\frac{3M}{r\rho}\left[\left(\frac{\partial \sigma}{\partial T}\right)_p + \frac{2\sigma\alpha}{3}\right] \tag{11}$$

$$S_{NP}^s = \left(\frac{\partial S^s}{\partial n}\right)_p = -\frac{2M}{r\rho}\left[\left(\frac{\partial \sigma}{\partial T}\right)_p + \frac{2\sigma\alpha}{3}\right] \tag{12}$$

(2) In Section 3.2 "Preparation and characterization of nano-CdS", the correct captions for Fig. 2 and 3 are given below:

"Fig. 2 TEM images of nano-CdS with different particle sizes: (a) 7.2 nm, (b) 8.1 nm, (c) 15.1 nm, (d) 16.9 nm, (e) 18.6 nm."

"Fig. 3 Particle size distribution statistical histograms of nano-CdS: (a) 7.2 nm, (b) 8.1 nm, (c) 15.1 nm, (d) 16.9 nm, (e) 18.6 nm."

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

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