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## Correction: An atomic layer deposition diffusion–reaction model for porous media with different particle geometries

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 Correction for 'An atomic layer deposition diffusion–reaction model for porous media with different particle geometries' by Niko Heikkinen et al., *Phys. Chem. Chem. Phys.*, 2024, **26**, 7580–7591, <https://doi.org/10.1039/D3CP05639B>.

[rsc.li/pccp](https://rsc.li/pccp)

The authors regret that the original article contains errors in eqn (7)–(9) and the horizontal axes in Fig. 2, 5, 6 and 8. The correct equations and figure axes are given below.

1. In the original eqn (7) and (8), the  $R$  symbols in the denominators of the second terms on the right-hand side are incorrect: Eqn (7):

$$\frac{\partial n_{\text{P}}(t, r)}{\partial t} = D_{\text{c}} \frac{\partial^2 n_{\text{P}}(t, r)}{\partial r^2} + D_{\text{c}} \frac{1}{R} \frac{\partial n_{\text{P}}(t, r)}{\partial r} - \frac{1}{4} v_{\text{th}} \beta_0 \cdot n_{\text{P}}(t, r) \cdot [1 - \theta(t, r)]$$

Eqn (8):

$$\frac{\partial n_{\text{P}}(t, r)}{\partial t} = D_{\text{c}} \frac{\partial^2 n_{\text{P}}(t, r)}{\partial r^2} + D_{\text{c}} \frac{2}{R} \frac{\partial n_{\text{P}}(t, r)}{\partial r} - \frac{1}{4} v_{\text{th}} \beta_0 \cdot n_{\text{P}}(t, r) \cdot [1 - \theta(t, r)]$$

**Corrected eqn (7) and (8):**

Eqn (7):

$$\frac{\partial n_{\text{P}}(t, r)}{\partial t} = D_{\text{c}} \frac{\partial^2 n_{\text{P}}(t, r)}{\partial r^2} + D_{\text{c}} \frac{1}{r} \frac{\partial n_{\text{P}}(t, r)}{\partial r} - \frac{1}{4} v_{\text{th}} \beta_0 \cdot n_{\text{P}}(t, r) \cdot [1 - \theta(t, r)]$$

Eqn (8):

$$\frac{\partial n_{\text{P}}(t, r)}{\partial t} = D_{\text{c}} \frac{\partial^2 n_{\text{P}}(t, r)}{\partial r^2} + D_{\text{c}} \frac{2}{r} \frac{\partial n_{\text{P}}(t, r)}{\partial r} - \frac{1}{4} v_{\text{th}} \beta_0 \cdot n_{\text{P}}(t, r) \cdot [1 - \theta(t, r)]$$

where the symbol  $r$  is a variable, the radial position inside a particle.

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## Correction

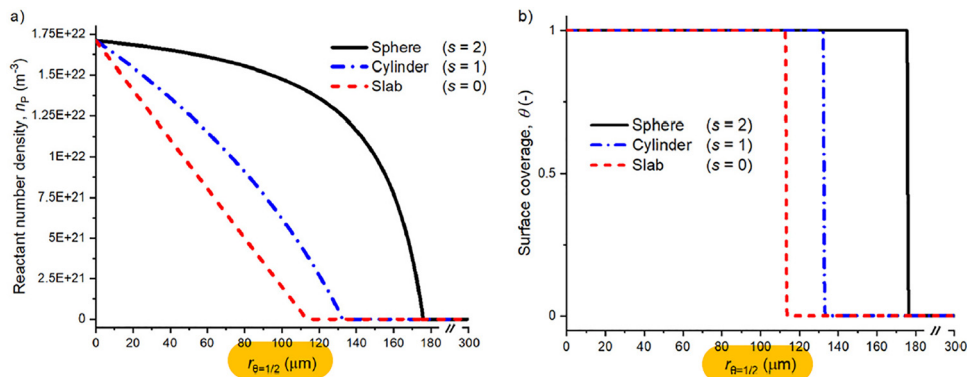
2. In equation (9), the negative sign before  $s_0$  is incorrect:

$$\frac{\partial \theta(t, r)}{\partial t} = -s_0 \frac{1}{4} v_{\text{th}} \beta_0 \cdot n_{\text{P}}(t, r) \cdot [1 - \theta(t, r)]$$

Corrected eqn (9):

$$\frac{\partial \theta(t, r)}{\partial t} = s_0 \frac{1}{4} v_{\text{th}} \beta_0 \cdot n_{\text{P}}(t, r) \cdot [1 - \theta(t, r)]$$

3. In the original Fig. 2 (below), and Fig. 5, 6 and 8, the horizontal axis name is presented incorrectly as  $r_{\theta=1/2}$  ( $\mu\text{m}$ ).



**Correct** form of the horizontal axis in Fig. 2, 5, 6 and 8 is  $r$  ( $\mu\text{m}$ ).

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

