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Erratum: Non-Fickian Diffusion of Water in Polylactide

Eric M. Davis, Matteo Minelli, Marco Giacinti Baschetti, and Yossef A. Elabd*

Ind. Eng. Chem. Res. **2013**, (52), 8664–8673 (DOI: 10.1021/ie302342m)

The following erratum is provided for the paper by Davis et al. entitled “Non-Fickian Diffusion of Water in Polylactide,” *Ind. Eng. Chem. Res.*, **2013**, 52, 8664–8673.

On page 8671, eq 11 was submitted and published as

$$M_t = M_{\infty,F} \left(1 - \frac{6}{\pi^2} \sum_{n=1}^{\infty} \frac{1}{n^2} \exp[-n^2 k_F t] \right) + \sum_i M_{\infty,i} \exp[1 - \exp(-k_i t)] \quad (11)$$

This equation has an error in it. It should read as follows:

$$M_t = M_{\infty,F} \left(1 - \frac{6}{\pi^2} \sum_{n=1}^{\infty} \frac{1}{n^2} \exp[-n^2 k_F t] \right) + \sum_i M_{\infty,i} [1 - \exp(-k_i t)] \quad (11)$$

On page 8671, eq 12 was submitted and published as

$$M_t = M_{\infty,F} \left(1 - \sum_{n=0}^{\infty} \frac{8}{(2n+1)^2 \pi^2} \times \exp \left[\frac{-D(2n+1)^2 \pi^2 t}{4L^2} \right] \right) + M_{\infty,R} \times \exp[1 - \exp(-k_R t)] \quad (12)$$

This equation has an error in it. It should read as follows:

$$M_t = M_{\infty,F} \left(1 - \sum_{n=0}^{\infty} \frac{8}{(2n+1)^2 \pi^2} \times \exp \left[\frac{-D(2n+1)^2 \pi^2 t}{4L^2} \right] \right) + M_{\infty,R} [1 - \exp(-k_R t)] \quad (12)$$

On page 8672, eq 13 was submitted and published as

$$A_t = A_{\infty,F} \left(1 - \frac{4}{\pi} \sum_{n=0}^{\infty} \frac{(-1)^n}{(2n+1)^2} \exp \left[\frac{-D(2n+1)^2 \pi^2 t}{4L^2} \right] \right) + A_{\infty,R} \exp[1 - \exp(-k_R t)] \quad (13)$$

This equation also has an error in it. It should read as follows:

$$A_t = A_{\infty,F} \left(1 - \frac{4}{\pi} \sum_{n=0}^{\infty} \frac{(-1)^n}{(2n+1)^2} \exp \left[\frac{-D(2n+1)^2 \pi^2 t}{4L^2} \right] \right) + A_{\infty,R} [1 - \exp(-k_R t)] \quad (13)$$

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