Correction: Decrease in thermal conductivity in polymeric P3HT nanowires by size-reduction induced by crystal orientation: new approaches towards thermal transport engineering of organic materials

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Correction: Decrease in thermal conductivity in polymeric P3HT nanowires by size-reduction induced by crystal orientation: new approaches towards thermal transport engineering of organic materials

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Correction for ‘Decrease in thermal conductivity in polymeric P3HT nanowires by size-reduction induced by crystal orientation: new approaches towards thermal transport engineering of organic materials’ by Miguel Muñoz Rojo et al., Nanoscale, 2014, 6, 7858–7865.

The authors wish to make the following corrections to the manuscript:

(a) The composite thermal conductivity of the 220 nm diameter composite should be quoted as 1.21 W K⁻¹ m⁻¹ instead of 1.18 W K⁻¹ m⁻¹ in Table 1 on page 7860 and in line 3 of the text on page 7862.
(b) In the last paragraph of text at the end of page 7862 and in the caption for Fig. 2b on page 7863, the written diameter should be quoted as 220 nm instead of 250 nm.
(c) In the text and caption for Fig. S5 on page 6 of the supplementary information, the written diameter should be quoted as 350 nm instead of 300 nm.
(d) Fig. 3 in the manuscript does not represent the thermal conductivities given in Table 1 because of graphical data misplacement of the 220 nm and 350 nm diameter results. The new Fig. 3 shows the correct thermal conductivity values of 0.7 W Km⁻¹ (instead of 0.58 W Km⁻¹) for 220 nm and 2.29 W Km⁻¹ (instead of 2.2 W Km⁻¹) for 350 nm. It also includes error bars for the measured thermal conductivities. Fig. 3 should appear as follows:

![Graph showing thermal conductivity and orientation parameter as functions of diameter.](image)

Fig. 1 Plot of the thermal conductivity (black spheres) and the orientation parameter, $\Gamma$, (blue stars) of P3HT NWs as a function of the NW diameter.

$$\Gamma = \frac{\gamma_{\perp}}{1.18 \gamma_{\parallel}}$$

where $\gamma_{\perp}$ and $\gamma_{\parallel}$ are the areas of the (100) peaks in directions perpendicular and parallel to the NW axis, respectively. The coefficient 1.18 is extracted from the ratio $\gamma_{\perp}/\gamma_{\parallel}$ of the bulk P3HT.

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