Nanoscale

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

Miguel Muñoz Rojo,[a] Jaime Martín,[a] Stéphane Grauby,[b] Theodorian Borca-Tasciuc,[c] Stefan Dilhaire[b] and Marisol Martin-Gonzalez*[a]

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.

[a]*Instituto de Microelectrónica de Madrid, Calle de Isaac Newton, 8 28760 Tres Cantos, Madrid, Spain. E-mail: marisol@imm.cnm.csic.es*
[b]*Univ. Bordeaux, LOMA, UMR 5798, 33405 Talence, France*
[c]*Rensselaer Polytechnique Institute, 110 8th St, Troy, NY 12180, USA*

(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:
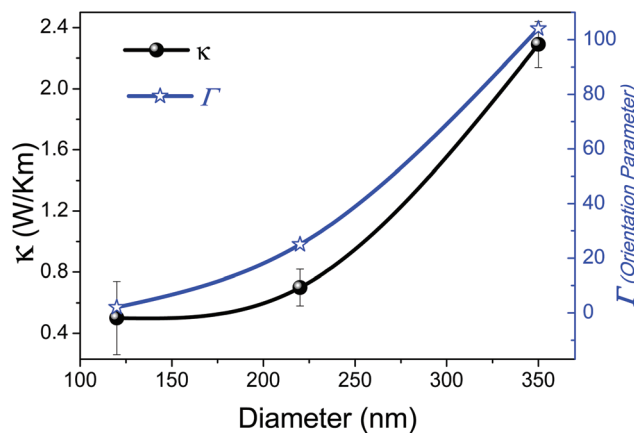

Fig. 1 Plot of the thermal conductivity (black spheres) and the orientation parameter, Γ, (blue stars) of P3HT NWs as a function of the NW diameter. $\Gamma = \gamma_{\perp}/1.18\gamma_{\parallel}$, where $\gamma_{\perp}$ and $\gamma_{\parallel}$ are the areas of the (100) peaks in directions perpendicular and parallel to the NW axis, respectively. The coefficient 1.18 is extracted from the ratio $\gamma_{\perp}/\gamma_{\parallel}$ of the bulk P3HT.

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