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## CORRECTION

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## Correction: Structural characterization of a polycrystalline epitaxially-fused colloidal quantum dot superlattice by electron tomography

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Correction for 'Structural characterization of a polycrystalline epitaxially-fused colloidal quantum dot superlattice by electron tomography' by Xiaolei Chu *et al.*, *J. Mater. Chem. A*, 2020, DOI: 10.1039/d0ta06704k.

The authors regret the following minor errors in the published article:

In Section 2.1 (Materials), two chemicals, lead iodide and ethanol, were accidentally omitted from the list. The revised text should read:

"Lead oxide (PbO, 99.999%), lead iodide (PbI<sub>2</sub>, 99.9985%, purchased from Alfa Aesar), oleic acid (OA, technical grade, 90%), diphenylphosphine (DPP, 98%), 1-octadecene (ODE, 90%), ethanol (99.5%, anhydrous), ethylene glycol (EG, 99.8%, anhydrous), acetonitrile (99.99%, anhydrous), hexanes ( $\geq$ 99%, anhydrous), toluene (99.8%, anhydrous), (3-mercaptopropyl)trimethoxysilane (3-MPTMS, 95%), and *N*,*N*-dimethylformamide (DMF, 99.8%, anhydrous) were purchased from Sigma Aldrich and used as received."

In Section 2.9 (Mobility simulation), the text "where  $\nu$  is a suitably chosen prefactor... final state of the hooping.<sup>59</sup>" should instead read as follows:

"where  $\nu$  is an attempt frequency, chosen to be  $10^{12}$  s<sup>-1</sup>,  $g_{ij}$  is the product of the initial density of states on QD<sub>i</sub> and the final density of states on QD<sub>j</sub>, and  $\beta_{ij}$  is the tunneling amplitude evaluated using the WKB approximation as

$$\beta_{ij} = \exp\left(-2\Delta x \sqrt{\frac{2m^*(E_{\text{vac}} - E_{ij})}{\hbar^2}}\right).$$

Here  $\Delta x$  is the minimal surface separation of the QDs.  $m^*$  is the effective mass of electrons in the tunneling medium, approximated as  $0.05m_{\rm e}$ , the effective mass of electrons in bulk PbSe.  $E_{\rm vac}$  is the vacuum energy level that is set to be zero as all other energy levels are defined relative to the vacuum.  $E_{\rm ij}$  is the tunneling energy, taken to be the average of the initial and final states of the tunneling transition:  $E_{\rm ij} = \frac{E_{\rm i} + E_{\rm j}}{2}$ , where  $E_{\rm i}$  and  $E_{\rm j}$  are the energy levels of QD<sub>i</sub> and QD<sub>j</sub>. <sup>59</sup>"

Finally, in Section 3.1 (SL unit cell and disorder), the text "with an average QD spacing of a along the chains and  $\sqrt{2}a$  between the chains" should instead read: "with an average QD spacing of a along the chains and approximately  $\sqrt{2}a$  between the chains". The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

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