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CORRECTION

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Correction: Ordered nanoparticle arrays interconnected by molecular linkers: electronic and optoelectronic properties

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Correction for 'Ordered nanoparticle arrays interconnected by molecular linkers: electronic and optoelectronic properties' by Jianhui Liao et al., Chem. Soc. Rev., 2015, DOI: 10.1039/c4cs00225c.

In the manuscript two subscripts are missing in eqn (4). Specifically, G should read G_t and V should read V_{ict} . The correct version of eqn (4) is therefore:

$$I \propto V_{jct}G_0 \sum_{j} \left(\frac{G_t}{G_0}\right)^{j} \left[\frac{\left(eV_{jct}\right)^2 + \left(2\pi k_{\rm B}T\right)^2}{E_c^2}\right]^{j-1} \times \exp\left(\frac{jeV_{jct} - E_c/j}{k_{\rm B}T}\right)$$
(4)

where V_{ict} should be defined as the voltage drop across a single nanoparticle-tunnel barrier-nanoparticle junction and G_t is the conductance of the tunnel barrier, as already defined below eqn (3).

Furthermore, in eqn (6) and (7) the term RT that occurs in the definition of the voltage regimes should read R_t . For completeness, we give both equations with the appropriate voltage regimes below:

$$C2: I \propto V^{\alpha}, \quad k_{\rm B}T < eV_{jct} < k_{\rm B}T \ln\left(\frac{e^2R_t}{h}\right), \tag{6}$$

$$C3: I \propto e^{-\sqrt{V^*/V}}, \quad k_B T \ln\left(\frac{e^2 R_t}{h}\right) < eV_{jct}. \tag{7}$$

We note that $R_t = 1/G_t$ and V^* is an activation voltage.

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

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