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## Correction: Large-scale sensor systems based on graphene electrolyte-gated field-effect transistors

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Correction for 'Large-scale sensor systems based on graphene electrolyte-gated field-effect transistors' by Charles Mackin, *et al.*, *Analyst*, 2016, **141**, 2704–2711.

In the original manuscript there was an error in eqn (2). The correct formula is

$$I_{\text{DS}} \approx \begin{cases} \frac{kV_{\text{DS}} \left[ C \left( \frac{V_{\text{DS}}}{2} - V_{\text{X}} \right) + n'_{\text{o}} \right]}{1 + 2kR_{\text{C}} \left[ C \left( \frac{V_{\text{DS}}}{2} - V_{\text{X}} \right) + n'_{\text{o}} \right]} & \text{when } V_{\text{X}} < I_{\text{DS}}R_{\text{C}} \\ \frac{1 + kR_{\text{C}}(CV_{\text{DS}} + 2n'_{\text{o}}) - \sqrt{[1 + kR_{\text{C}}(CV_{\text{DS}} + 2n'_{\text{o}})]^2 - 4M \left[ \frac{1}{2}kC[(V_{\text{DS}} - V_{\text{X}})^2 + V_{\text{X}}^2] + kn'_{\text{o}}V_{\text{DS}} \right]}}{2M} & \text{when } I_{\text{DS}}R_{\text{C}} \leq V_{\text{X}} \leq V_{\text{DS}} - I_{\text{DS}}R_{\text{C}} \\ \frac{kV_{\text{DS}} \left[ C \left( V_{\text{X}} - \frac{V_{\text{DS}}}{2} \right) + n'_{\text{o}} \right]}{1 + 2kR_{\text{C}} \left[ C \left( V_{\text{X}} - \frac{V_{\text{DS}}}{2} \right) + n'_{\text{o}} \right]} & \text{when } V_{\text{X}} > V_{\text{DS}} - I_{\text{DS}}R_{\text{C}} \end{cases} \quad (2)$$

Also, the list of authors for ref. 15 was incorrect. The correct citation is as follows:

15 X. Wang, L. Zhi and K. Müllen, *Nano Lett.*, 2008, **8**, 323–327.

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

