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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

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

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.

