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Addition/Correction

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Correction to "On the Origin of the Enhanced Supercapacitor Performance of Nitrogen-Doped Graphene"

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The following errata were found in the published article. These errata, however, do not affect the overall conclusions of the original article.

1. In our analysis, μ was mistakenly calculated as $-e\phi_G$ instead of $e\phi_G$. As a result, the x-values for $C_Q(\phi)$ (and subsequently C_T) in the TOC, Figure 4, and Figure 8 should be flipped and are corrected below.

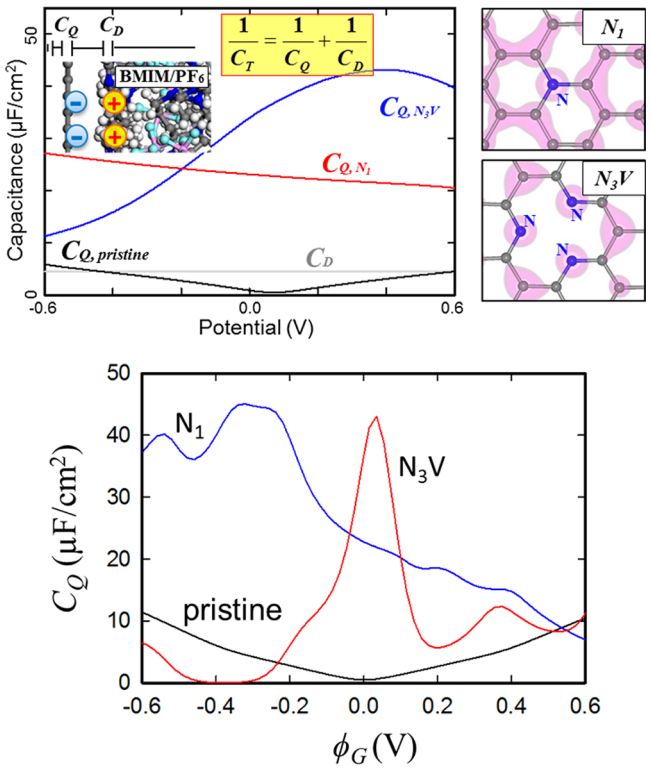

Figure 4. Comparison of the calculated quantum capacitance (C_Q) of pristine, N_1, and N_3V graphene as a function of the local electrode potential (ϕ_G).

2. Accordingly, the discussion about Figure 4 on page 5612 should read: "In the case of N_1 graphene, C_Q gradually increases as ϕ_G decreases and peaks at 45 μF/cm^2 at $\phi_G = -0.3$ V. As ϕ_G increases above 0 V, C_Q tapers toward 0 μF/cm^2 at 0.85 V. In the N_3V graphene case, C_Q sharply decreases to around 5−10 μF/cm^2 when $\phi_G > 0.2$ V and 0 μF/cm^2 when $\phi_G = -0.4$ V."

3. The isosurface value in the caption of Figure 3 has the wrong units. It should read ±0.0005 e/bohr^3, which is equal to ±0.0034 e/Å^3.

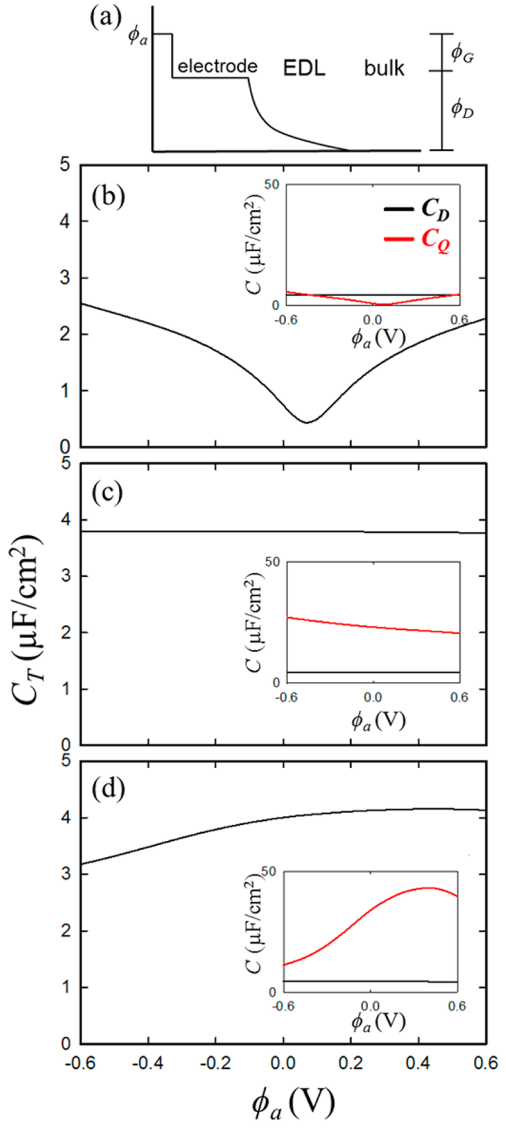

Figure 8. (a) Schematic of the idealized potential profile at the graphene/IL interface and the total interfacial capacitance for (b) pristine, (c) N_1, and (d) N_3V graphene systems as a function of applied potential (ϕ_a).

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