Erratum: Quantum Stress Focusing in Descriptive Chemistry [Phys. Rev. Lett. 100, 206405 (2008)]

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There is a sign error in the last terms of Eqs. (15) and (16). They should read

$$p_{ij}^{\text{XC}} = \delta_{ij}(nv_{\text{XC}} - e_{\text{XC}}) + \frac{\partial_i n \partial_j n}{2k_F n |\nabla n|} \frac{\partial e_{\text{XC}}}{\partial s}, \quad (15)$$

$$p^{\text{XC}} = nv_{\text{XC}} - e_{\text{XC}} + \frac{s}{3} \frac{\partial e_{\text{XC}}}{\partial s}. \quad (16)$$

This error slightly modifies the shell structure of the atoms, as shown in Fig. 1, follows:

FIG. 1 (color online). Atomic shell structure from the original quantum pressure formula and the corrected Eqs. (15) and (16).