Erratum: Phonon anomalies in transition-metal nitrides: HfN [Phys. Rev. B 28, 977 (1983)]

A. Nørlund Christensen, W. Kress, M. Miura, and N. Lehner

In Table I UC* should read UC^{*ce} and HfN^{e} should read HfN^{f}.

Erratum: Beyond the local-density approximation in calculations of ground-state electronic properties [Phys. Rev. B 28, 1809 (1983)]

David C. Langreth and M. J. Mehl

Equation (5.2) should read

$$v^{xc}(\vec{r}) = v^{x}_{exact}(\vec{r}) + (v^{RPA}_{LDA})^{c}(\vec{r}) + 2an^{-1/3}\left\{-18f^2\left[\frac{\vec{\nabla}\cdot\vec{K}}{n} - \frac{2}{3}\frac{K^2}{n^2}\right] - 2e^{-F}\left[\frac{(1-F/2)\vec{\nabla}\cdot\vec{K}}{n} - \left(\frac{2}{3} - \frac{11F}{6} + \frac{7F^2}{12}\right)\frac{K^2}{n^2}\right.\right.$$
$$\left.\left. + \frac{F(F-3)\vec{K}\cdot\vec{\nabla}|\vec{K}|}{2n|\vec{K}|}\right]\right\} . \qquad (5.2)$$

The correct form of this equation (above) was used in all the calculations of the paper.

In Table XII, the entry for the 1s state of Ar should be 228.88. We thank John Perdew for finding this error, as well as for previously having pointed out an error in the original form of Eq. (4.7).

Erratum: Hamiltonian formalism for giant polaritons [Phys. Rev. B 28, 2254 (1983)]

K. C. Liu

In Eqs. (10), (14), (15b)–(17), and (20), $D_{\vec{k}}$ should be replaced by $\sqrt{N}D_{\vec{k}}$.

In the sentence below Eq. (10b), $E_g = E_e - E_h$ should read $E_g = E_e + E_h$.

The last line of Eq. (15a) should read as follows:

$$= -(E_{\vec{g}} + W_{\vec{k}})b^{\dagger}_{\vec{k}} - \sqrt{N}D_{\vec{k}}a^{\dagger}_{\vec{k}} + \frac{2}{\sqrt{N}}\sum_{\vec{l}} e^{i\vec{k}\cdot\vec{l}}\left(\sum_{\vec{l}'} W(\vec{l}'-\vec{l})c^{\dagger}_{\vec{l}'}d^{\dagger}_{\vec{l}'} + \sum_{\vec{q}} D_{\vec{q}}e^{-i\vec{q}\cdot\vec{l}}a^{\dagger}_{\vec{q}}\right)n_{\vec{l}} \ .$$

The left-hand side of Eq. (16a) should read

$$i\hbar\frac{db_{\vec{k}}}{dt} \ .$$

The author of Ref. 9 should read H. Haken.