Errata

Erratum: Pseudopotentials that work: From H to Pu [Phys. Rev. B 26, 4199 (1982)]

G. B. Bachelet, D. R. Hamann, and M. Schlüter

The Cs ($Z=55$) $\lambda=3$ numbers published in Table IV do not correspond to the potential curve shown in Fig. 4. The published values for $\alpha_i=(0.36, 0.41, 0.48)$ should be replaced by $\alpha_i=(0.17, 0.31, 0.51)$ and the published values for $C_i=(1.2582, -2.6006, -0.7020, -0.7802, 0.3752, 0.5278)$ should be replaced by $C_i=(-1.8177, -2.8221, -0.5775, -0.0553, -0.1098, 0.1666)$.

Erratum: Raman scattering mediated by surface-plasmon polariton resonance [Phys. Rev. B 27, 1401 (1983)]

S. Ushioda and Y. Sasaki

Equation (5) should read

$$|E(\theta)|^2=A\tan^2\theta\left|\frac{\alpha_1}{\alpha_3}\right|^2\frac{\exp[-2(\mathrm{Re}\alpha_2)d-[(\mathrm{Re}\alpha_3)z_0]}{|D(k_{\parallel},\omega)|^2}\ . \tag{5}$$

Since $|D(k_{\parallel},\omega)|^{-2}$ dominates the θ dependence of $|E(\theta)|^2$, the corrections in Eq. (5) cause no significant change in the theoretical curves shown in Fig. 4. In the actual calculation of the curves, the correct expression of the $\tan\theta$ factor was used instead of $\cot\theta$ in its place.

Erratum: Soliton pair generation in polyacetylene: A lattice relaxation approach [Phys. Rev. B 27, 5199 (1983)]

Zhao-bin Su and Lu Yu

The exponential factor in Eq. (18) should read

$$\exp[-(W_{if}-S\hbar\omega_b)^2/2S\hbar^2\omega_b^2]\ .$$

Equation (24) should read

$$W|_{e-p}=\frac{\Delta}{\hbar}\frac{\pi\lambda}{9}\left(\frac{2\pi}{S}\right)^{1/2}\frac{\xi}{L}|\langle e_i|e_f\rangle|^2\exp\left(-\frac{(W_{if}-S\hbar\omega_b)^2}{2S\hbar^2\omega_b^2}\right)\approx 10^{13}\ \mathrm{sec}^{-1}\ .$$

The first formula in Eq. (25) reads

$$W_{if}\approx 0.1\Delta\ .$$

In the paragraph preceding Eq. (32) the text before "We note also ..." should be ignored, while the equation itself reads as

$$\frac{\sigma^i}{\sigma^d}=\frac{\pi\lambda}{32}\frac{\hbar\omega_b}{\Delta}\exp\left(-\frac{(2\Delta-4\Delta/\pi-S\hbar\omega_b)^2-(\hbar\omega-4\Delta/\pi-S\hbar\omega_b)^2}{2S\hbar^2\omega_b^2}\right)\approx 10^{-3}\ .$$