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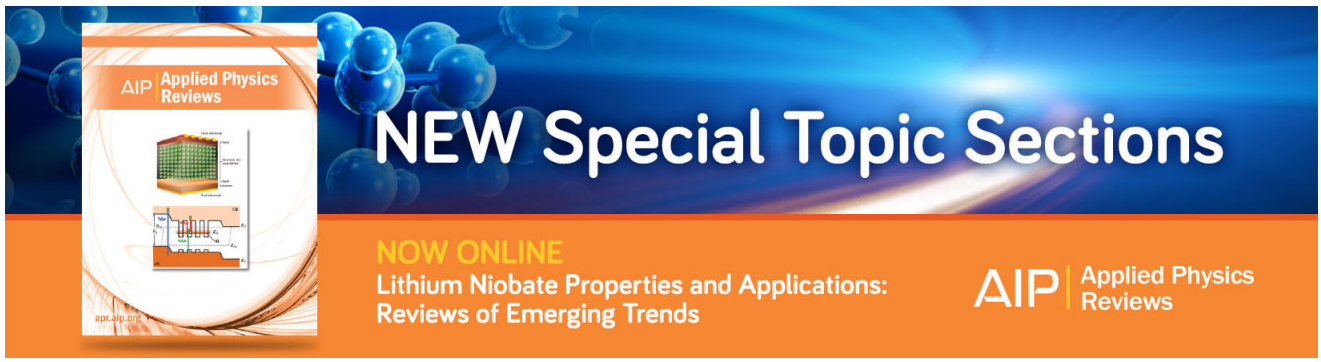

Erratum: "The $X^1\Sigma_g^+$ ground state of Mg_2 studied by Fourier-transform spectroscopy" [J. Chem. Phys. 138, 094303 (2013)]

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(1) There was a typo in Eq. (5) of the article referred to Ref. 1. The correct equation is

$$U_X^{SR}(R) = B\, e^{C(R-R_i)/R_i}.$$

(2) The parameter b in Eq. (13) is in units of Bohr radii, a0. For R in Å divide b by 0.52917721092.
(3) There was a typo in Eq. (17), the correct equation is

$$y_p(R; R_{min}, R_{ref}) = \frac{R^p - R_{ref}^p}{R^p + R_{ref}^p - 2R_{min}^p}.$$

(4) In Table IV, the index of the Chebychev coefficients c_k must be reduced by one unit: c_1 is c_0, etc.

[1]H. Knöckel, S. Rühmann, and E. Tiemann, J. Chem. Phys. **138**, 094303 (2013).

