



## Correction: The Li + CaF → Ca + LiF chemical reaction under cold conditions

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Humberto da Silva Jr,<sup>a</sup> Qian Yao,<sup>b</sup> Masato Morita,<sup>c</sup> Brian K. Kendrick,<sup>d</sup> Hua Guo<sup>\*b</sup> and Naduvalath Balakrishnan<sup>\*a</sup>

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Correction for 'The Li + CaF → Ca + LiF chemical reaction under cold conditions' by Humberto da Silva Jr *et al.*, *Phys. Chem. Chem. Phys.*, 2023, **25**, 14193–14205, <https://doi.org/10.1039/D3CP01464A>.

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The published version of this manuscript contains some errors in the subsection '2.1 Potential energy surface'. The corrections are listed as follows.

1. The sentence above eqn (4) should be rephrased as "The long-range part of the interaction potential between an atom and a diatomic molecule,  $V_{LR}$ , in each arrangement is fitted with the following expression:"

2. Eqn (4) should read as

$$V_{LR} = \sum_{nml} C_{nml} r^l \frac{B_n^m(\theta)}{R^n}$$

3. Eqn (5) should read as

$$V_{abc} = s_{abc} V_{s,abc} + (1 - s_{abc}) V_{1,abc}$$

4. The sentence below eqn (5) should read as: "where  $V_{s,abc}$  is the short-range part of the total potential given in the form of eqn (1),  $V_{1,abc}$  is the long-range part of the total potential satisfying  $V_{1,abc} = V_{LR} + V_{ab}^{(2)}$  in the  $ab + c$  arrangement channel, and the arrangement-dependent switching function,  $s_{abc}$ , is defined as"

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

<sup>a</sup> Department of Chemistry and Biochemistry, University of Nevada, Las Vegas, Nevada 89154, USA. E-mail: naduvala@unlv.nevada.edu

<sup>b</sup> Department of Chemistry and Chemical Biology, University of New Mexico, Albuquerque, New Mexico 87131, USA. E-mail: hguo@unm.edu

<sup>c</sup> Chemical Physics Theory Group, Department of Chemistry and Center for Quantum Information and Quantum Control, University of Toronto, Toronto, Ontario M5S 3H6, Canada

<sup>d</sup> Theoretical Division (T-1, MS B221), Los Alamos National Laboratory, Los Alamos, NM 87545, USA

