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# Correction: Theoretical calculation of a full-dimensional *ab initio* potential energy surface and prediction of infrared spectra for Xe–CS<sub>2</sub>

 Miao Qin,<sup>ab</sup> Xiuchan Xiao<sup>\*ab</sup> and Hua Zhu<sup>c</sup>

 Correction for 'Theoretical calculation of a full-dimensional *ab initio* potential energy surface and prediction of infrared spectra for Xe–CS<sub>2</sub>' by Miao Qin et al., *RSC Adv.*, 2019, 9, 20925–20930.

The authors regret that eqn (4) was displayed incorrectly in the PDF version of the original article. The correct version of eqn (4) is presented below:

$$\hat{H} = -\frac{1}{2\mu} \frac{\partial^2}{\partial R^2} + \frac{\hat{j}^2}{2I_{v_1+v_3}} + \frac{(\hat{J}-\hat{j})^2}{2\mu R^2} + V_{v_1+v_3}(R, \theta)$$

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

<sup>a</sup>School of Architectural and Environmental Engineering, Chengdu Technological University, Chengdu 611730, China. E-mail: shawailsa@sina.cn

<sup>b</sup>Center of Big Data for Smart Environmental Protection, Chengdu Technological University, Chengdu 611730, China

<sup>c</sup>School of Chemistry, Sichuan University, Chengdu 610064, China

