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CORRECTION

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Cite this: *Phys. Chem. Chem. Phys.*, 2023, **25**, 19269

DOI: 10.1039/d3cp90140h

rsc.li/pccp

Correction: Terahertz spectroscopy of the helium endofullerene He@C_{60}

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Correction for 'Terahertz spectroscopy of the helium endofullerene He@C_{60}' by Tanzeeha Jafari *et al.*, *Phys. Chem. Chem. Phys.*, 2022, **24**, 9943–9952, https://doi.org/10.1039/D2CP00515H.

Eqn (12) in the published version of this manuscript contained some errors. The equation should have read as:

$$\langle l_f \parallel T_k \parallel l_i \rangle = (-1)^{l_f} \sqrt{\frac{(2l_f+1)(2k+1)(2l_i+1)}{4\pi}} \begin{pmatrix} l_f & k & l_i \\ 0 & 0 & 0 \end{pmatrix}$$

In addition, the published version of this manuscript contains missing information in some of the sentences. The corrected sentences are listed as follows:

1. Introduction:

Page 9944, left column, 1st paragraph – 'The incarceration of large noble gas atoms results in the structural and electronic distortion of C_{60} which has been examined by IR and Raman,[34] NMR,[37] X-ray[38] and electronic spectroscopy.[39]'

Page 9944, left column, 2nd paragraph – 'It was spotted by mass spectrometry when the ^{4}He atom was incorporated in C_{60} as the highly accelerated C_{60}^+ ions struck with helium gas[9] and later found in fullerenes produced by arc discharge in the He gas.[6]'

2. Theory:

Page 9944, left column, 1st paragraph – 'Also, we ignore the effect of the translational motion of C_{60} in the crystal lattice and its molecular vibrations.'

Page 9945, right column, 1st paragraph – 'Factor $(\eta^2 + 2)/3$ is the enhancement of radiation electric field at the molecule embedded in dielectric[47] and η is the index of refraction (for C_{60} $\eta = 2$, ref. 48).'

3. Discussion:

Page 9947, left column, 2nd paragraph – 'Although the anharmonic contributions to the H_2 potential have been determined experimentally,[15,22,23] a more detailed comparison with He is not meaningful as firstly, H_2 has translation–rotation coupling terms in the potential and secondly, it misses the V_6 term in the potential fit.'

Page 9947, right column, Fig. 3 caption – 'The anharmonic terms in the potential, V_4 and V_6, split the energy levels with different l and each energy level has the unique l value within the spherical symmetry, on the right.'

Page 9947, right column, 1st paragraph – 'In general, the interaction of neutral A with C_{60} can be separated into repulsive interaction and electrostatic interaction expanded in induction and dispersion terms.[33] Since He has no electric dipole nor quadrupole moment the induction terms are zero.'

Page 9947, right column, 2nd paragraph – 'To further validate the potential parameters of He@C_{60} obtained from the fit of single high temperature spectra we compare the temperature dependence of line intensities of measured and calculated spectra, Fig. 4.'

Page 9948, left column, 1st paragraph – 'The dipole moment of He is induced by the displacement from the C_{60} cage center.'

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

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