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Correction: Memory-effect-induced electrochemical oscillation of an Al-doped $\text{Li}_4\text{Ti}_5\text{O}_{12}$ composite in Li-ion batteries

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 Correction for 'Memory-effect-induced electrochemical oscillation of an Al-doped $\text{Li}_4\text{Ti}_5\text{O}_{12}$ composite in Li-ion batteries' by Liao Zhang *et al.*, *Chem. Commun.*, 2019, 55, 1279–1282.

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The authors regret that the ^{27}Al MAS NMR spectra in the Supplementary Information of the original article was incorrect.

In the second paragraph of Page 1280, the last two sentences should be replaced with the following text, "As a result, the Al ions distribute on only the 8a site in the lattice structure of $\text{Li}_4\text{Ti}_5\text{O}_{12}$, where the 8a site corresponds to the tetrahedron (AlO_4).^{28–30}"

In the ^{27}Al MAS NMR Characterization section of the Supplementary Information, "76 and 14 ppm" should be replaced with "74 and 17 ppm", and the last three sentences should read, "The Al ions distribute on only the 8a site in the lattice structure of ALTO-2. Due to some Al_2O_3 impurity in ALTO (20 wt% Al_2O_3), there are a few Al ions in the octahedron (AlO_6). As a whole result, the Al ions occupy only the 8a site in the lattice structure of $\text{Li}_4\text{Ti}_5\text{O}_{12}$."

Fig. S3 in the Supplementary Information should be replaced with the following figure (shown here as Fig. 1), and "76 and 14 ppm" in the original caption should be replaced with "74 and 17 ppm".

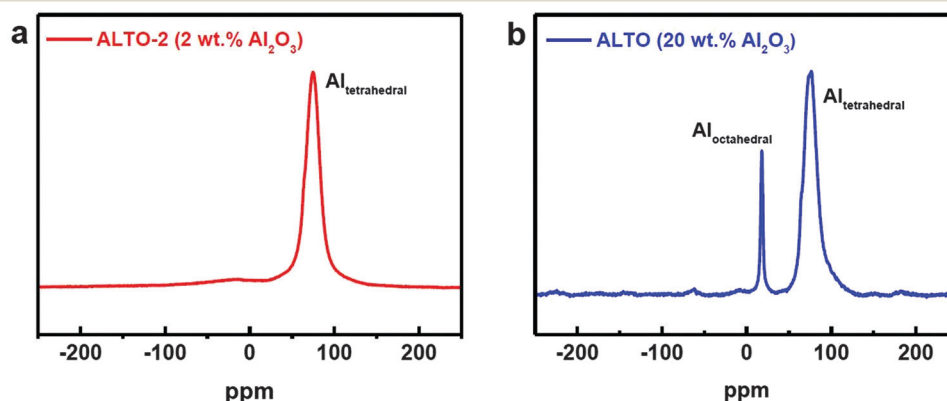


Fig.S3 ^{27}Al MAS NMR spectra of ALTO-2 (2 wt% Al_2O_3) (a) and ALTO (b). Isotropic peaks at around 74 and 17 ppm are attributed to Al^{3+} ions in the tetrahedron (AlO_4) and the octahedron (AlO_6), respectively. The ALTO-2 was synthesized by a solid-state reaction by using $\text{Li}_4\text{Ti}_5\text{O}_{12}$ and nano- Al_2O_3 with a weight ratio of 49:1, in which the precursors were ground thoroughly and then calcined at 800 °C for 24 h in air.

Fig. 1 Corrected version of Fig. S3 in the Supplementary Information for the original article.

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

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