## **ChemComm**



## CORRECTION

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## Correction: Memory-effect-induced electrochemical oscillation of an Al-doped Li<sub>4</sub>Ti<sub>5</sub>O<sub>12</sub> composite in Li-ion batteries

Liao Zhang,<sup>a</sup> Yanyu Qu,<sup>a</sup> Jiangtao Huang,<sup>a</sup> Xiang Feng,<sup>a</sup> De Li\*<sup>ab</sup> and Yong Chen\*<sup>ac</sup>

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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 <sup>27</sup>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<sub>4</sub>). <sup>28–30</sup>"

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<sub>2</sub>O<sub>3</sub> impurity in ALTO (20 wt% Al<sub>2</sub>O<sub>3</sub>), there are a few Al ions in the octahedron (AlO<sub>6</sub>). As a whole result, the Al ions occupy only the 8a site in the lattice structure of Li<sub>4</sub>Ti<sub>5</sub>O<sub>12</sub>."

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".

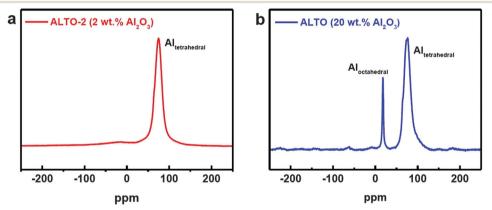


Fig.S3 <sup>27</sup>Al MAS NMR spectra of ALTO-2 (2 wt% Al<sub>2</sub>O<sub>3</sub>) (a) and ALTO (b). Isotropic peaks at around 74 and 17 ppm are attributed to Al<sup>3+</sup> ions in the tetrahedron (AlO<sub>4</sub>) and the octahedron (AlO<sub>6</sub>), respectively. The ALTO-2 was synthesized by a solid-state reaction by using Li<sub>4</sub>Ti<sub>5</sub>O<sub>12</sub> and nano-Al<sub>2</sub>O<sub>3</sub> 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.

<sup>&</sup>lt;sup>a</sup> State Key Laboratory on Marine Resource Utilization in South China Sea, Hainan Provincial Key Laboratory of Research on Utilization of Si-Zr-Ti Resources, College of Materials Science and Chemical Engineering, Hainan University, Haikou, China. E-mail: lidenju@sina.com, ychen2002@163.com

<sup>&</sup>lt;sup>b</sup> National Laboratory of Solid State Microstructures, Nanjing University, Nanjing, China

<sup>&</sup>lt;sup>c</sup>Key Laboratory of Advanced Energy Materials Chemistry (Ministry of Education), Nankai University, Tianjin, China