


Cite this: *RSC Adv.*, 2023, 13, 9511

DOI: 10.1039/d3ra90022c

rsc.li/rsc-advances

Correction: A graphite-modified natural stibnite mineral as a high-performance anode material for sodium-ion storage

Hongliang Li^a and Mingxiang Deng^{*b}

Correction for 'A graphite-modified natural stibnite mineral as a high-performance anode material for sodium-ion storage' by Hongliang Li *et al.*, *RSC Adv.*, 2019, 9, 28953–28960, <https://doi.org/10.1039/C9RA02663K>.

The authors regret errors in the list of co-authors, in the data and corresponding text for Fig. 1b and 5, and in the captions for Fig. 1–5.

Hongshuai Hou and Xiaobo Ji wish to be removed from the authorship of this paper. The experiments, data compilation and writing of this article were carried out by the first author Hongliang Li and the corresponding author Mingxiang Deng, and the article was submitted by Hongliang Li. And they erroneously listed Xiaobo Ji and Hongshuai Hou as co-authors. Xiaobo Ji and Hongshuai Hou only provided some instruments and consumables for the experiments in this paper, so Xiaobo Ji and Hongshuai Hou do not feel their contribution is sufficient to be authors on this paper, and they request to update the authorship of this article to remove Hongshuai Hou and Xiaobo Ji as authors of this paper. The correct authorship is presented herein.

The following sentence should be included in the acknowledgements: "The authors thank Hongshuai Hou and Xiaobo Ji for providing experimental equipment and resources."

The authors regret that the images provided for Fig. 1b and 5 in the original article are incorrect. Corrected versions of Fig. 1b and 5 are provided herein.

The corresponding text "Finally, the content of Sb_2S_3 in the $\text{G}/\text{Sb}_2\text{S}_3$ composite was determined to be 66.68 wt%." in the original article should be corrected as "Finally, the content of Sb_2S_3 in the $\text{G}/\text{Sb}_2\text{S}_3$ composite was determined to be 74.68 wt%."

The corresponding text "The $\text{G}/\text{Sb}_2\text{S}_3$ composites delivered the average reversible capacities of 642.3, 507.6, 392.1 and 264.9 mA h g^{-1} " in the original article should be corrected as "The $\text{G}/\text{Sb}_2\text{S}_3$ composites delivered the average reversible capacities of 544.9, 497.6, 474.5 and 407.0 mA h g^{-1} ".

The corresponding text "the average reversible capacity of the $\text{G}/\text{Sb}_2\text{S}_3$ composites could recover to 595 mA h g^{-1} after 20 cycles" in the original article should be corrected as "the average reversible capacity of the $\text{G}/\text{Sb}_2\text{S}_3$ composites could recover to 576.7 mA h g^{-1} after 20 cycles".

The corresponding text "After 75 cycles, the reversible capacity was 422 mA h g^{-1} with the capacity retention of 82.9%." in the original article should be corrected as "After 75 cycles, the reversible capacity was 365.0 mA h g^{-1} with the capacity retention of 67%."

The authors wish to draw the readers' attention to their closely related *RSC Advances*¹ paper, published at nearly the same time, which should have been cited in this *RSC Advances* paper.

Fig. 1–5 were re-used in part from ref. 1 without being correctly attributed. The corrected captions are shown below:

Fig. 1 (a) XRD patterns of $\text{G}/\text{Sb}_2\text{S}_3$ and stibnite. (b) TGA curves of $\text{G}/\text{Sb}_2\text{S}_3$ and stibnite. (c) Raman spectra of $\text{G}/\text{Sb}_2\text{S}_3$ and stibnite. (d) Raman spectra of Sb–S. Reproduced in part from Mingxiang Deng *et al.*, *RSC Adv.*, 2019, 9, 15210–15216.¹

Fig. 2 (a) XPS survey of $\text{G}/\text{Sb}_2\text{S}_3$ and stibnite. The corresponding high-resolution spectra of Sb (b), S (c) and C (d). Reproduced in part from Mingxiang Deng *et al.*, *RSC Adv.*, 2019, 9, 15210–15216.¹

Fig. 3 (a and b) SEM image of stibnite. (c–f) SEM image of the $\text{G}/\text{Sb}_2\text{S}_3$ composites. (g and h) TEM image of the $\text{G}/\text{Sb}_2\text{S}_3$ composites. (i) HR-TEM image of the $\text{G}/\text{Sb}_2\text{S}_3$ composites. Reproduced in part from Mingxiang Deng *et al.*, *RSC Adv.*, 2019, 9, 15210–15216.¹

^aCollege of Chemistry and Chemical Engineering, Central South University, Changsha, 410083, China

^bCollege of Science, Central South University of Forestry and Technology, Changsha, 410004, China. E-mail: 511584588@qq.com

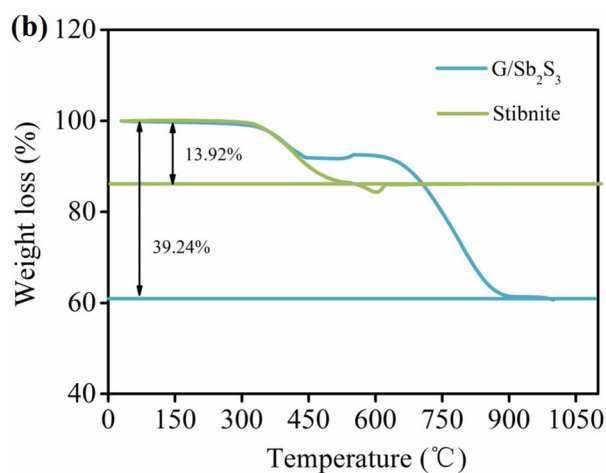



Fig. 1 (b) TGA curves of G/Sb₂S₃ and stibnite.

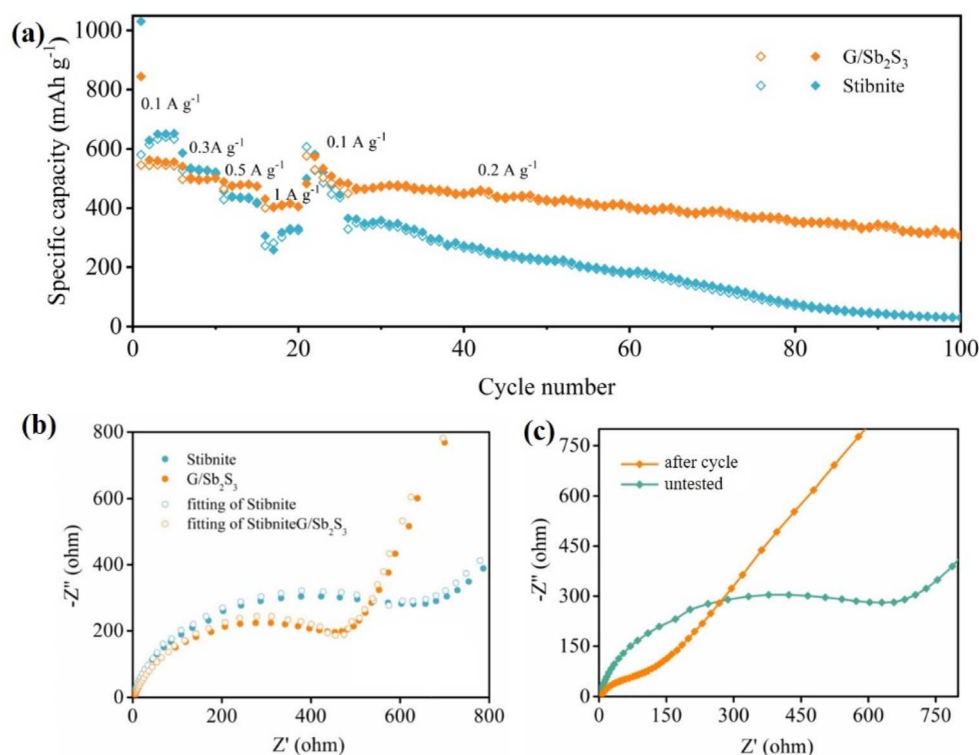


Fig. 5 (a) Rate performance of the Sb₂S₃ electrode. (b) Nyquist plots of G/Sb₂S₃ and stibnite at the initial state. (c) Nyquist plots of G/Sb₂S₃ at different states. Reproduced in part from Mingxiang Deng *et al.*, *RSC Adv.*, 2019, 9, 15210–15216.¹

Fig. 4 Cyclic voltammograms of initial three cycles of (a) G/Sb₂S₃ composites, (b) stibnite. (c) Galvanostatic discharge/charge curves of G/Sb₂S₃ composites. (d) Cycling performance and coulombic efficiencies of G/Sb₂S₃ and stibnite. Reproduced in part from Mingxiang Deng *et al.*, *RSC Adv.*, 2019, 9, 15210–15216.¹

Fig. 5 (a) Rate performance of the Sb₂S₃ electrode. (b) Nyquist plots of G/Sb₂S₃ and stibnite at the initial state. (c) Nyquist plots of G/Sb₂S₃ at different states. Reproduced in part from Mingxiang Deng *et al.*, *RSC Adv.*, 2019, 9, 15210–15216.¹

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

References

- 1 M. Deng, *et al.*, *RSC Adv.*, 2019, 9, 15210–15216, DOI: [10.1039/C9RA02301A](https://doi.org/10.1039/C9RA02301A).

