



Correction

Correction: Radaš et al. A Method for Estimating the State of Charge and Identifying the Type of a Lithium-Ion Cell Based on the Transfer Function of the Cell. *Processes* 2024, 12, 404

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In Section 4 of the original publication [1], the metric used to quantify the accuracy of the proposed method is missing.

A correction has been made to Estimated Results, Paragraph 1, as follows:

The estimation of the unknown SoC is performed for eight states of charge ($Test_SoC$ (%) = [6.25, 18.75, 31.25, 43.75, 56.25, 68.75, 81.25, 93.75]) for four different battery cells from Table 2. The same current pulse (0.45 A, 3 s) is used in SoC estimation, like in the parameter optimization procedure. The true SoC for a battery was determined using the Coulomb counting method. The estimated results are shown in Tables 3–6. The algorithm's accuracy was measured using the relative error, which compares the estimated SoC with the actual SoC. The relative error is calculated as the ratio of the absolute difference between the actual SoC and the estimated SoC value relative to the actual SoC value:

$$ERR[\%] = \frac{|SoC_{actual} - SoC_{est}|}{SoC_{actual}}$$
(8)

where:

ERR—relative error expressed as a percentage, SoC_{actual} —actual SoC value determined using Coulomb counting method, SoC_{est} —estimated SoC value.

A correction has been made to Estimated Results, Paragraph 5, the first sentence, as follows:

For the other states of charge, it can be seen from the fourth column that the relative error (8) of the SoC estimate is less than 5%.

With these corrections, the order of some equations and their citations have been adjusted accordingly. The authors state that the scientific conclusions are unaffected. This correction was approved by the Academic Editor. The original publication has also been updated.

Reference

1. Radaš, I.; Matić, L.; Šunde, V.; Ban, Ž. A Method for Estimating the State of Charge and Identifying the Type of a Lithium-Ion Cell Based on the Transfer Function of the Cell. *Processes* **2024**, *12*, 404. [CrossRef]

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