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Correction: Direct Regeneration of Spent Lithium-Ion Battery Cathodes: From Theoretical Study to Production Practice

Meiting Huang¹, Mei Wang¹, Liming Yang¹ ✉, Zhihao Wang¹, Haoxuan Yu¹, Kechun Chen¹, Fei Han¹, Liang Chen² ✉, Chenxi Xu³, Lihua Wang^{2,4}, Penghui Shao¹, Xubiao Luo^{1,4} ✉

The original article can be found online at <https://doi.org/10.1007/s40820-024-01434-0>.

✉ Liming Yang, yangliming0809185@126.com; Liang Chen, clvilance@163.com; Xubiao Luo, luoxubiao@126.com

¹ National–Local Joint Engineering Research Center of Heavy Metals Pollutants Control and Resource Utilization, Nanchang Hangkong University, Nanchang 330063, People’s Republic of China

² Key Laboratory of Hunan Province for Advanced Carbon–based Functional Materials, School of Chemistry and Chemical Engineering, Hunan Institute of Science and Technology, Yueyang 414006, People’s Republic of China

³ College of Materials Science and Engineering, Central South University of Forestry and Technology, Changsha 410004, People’s Republic of China

⁴ School of Life Science, Jinggangshan University, Ji’an 343009, People’s Republic of China

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The Highlights session of the article unfortunately was taken falsely from another manuscript. The correct Highlights session is now in place.

The correct is:

- Analyze the primary causes of cathode failure in three representative batteries, illustrating their underlying regeneration mechanism.
- The latest research status of direct regeneration of spent lithium–ion batteries was reviewed and summarized in focus.
- The application examples of direct regeneration technology in production practice are introduced for the first

time, and the problems exposed in the initial stage of industrialization were revealed.

The original article has been corrected.

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