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ACCEPTED MANUSCRIPT

Graphite-anchored lithium vanadium oxide as anode of lithium ion battery

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Highlights

- The graphite-anchored lithium vanadium oxide was prepared by the in-situ method.
- The effects of synthesis conditions on electrochemical performance were studied.
- This material delivers better electrochemical performance and thermal stability.
- Carbon-coating technology was applied to enhance the electrochemical performance.

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