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**Tin Oxide/Graphene Aerogel Nanocomposites Building Superior  
Rate Capability for Lithium Ion Batteries**

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Graphical abstract

Highlights

- The SnO<sub>2</sub>/GA nanocomposites were successfully synthesized via a hydrothermal method.
- The performance of nanocomposite anodes highly depended on the hydrothermal time.
- The 3-4 nm-sized SnO<sub>2</sub>/GAs showed enhanced cycling performance and rate performance.

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