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Author: Xueke Xia, Jian Xie, Shichao Zhang, Bin Pan, Gaoshao Cao, Xinbing Zhao

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Wrinkled Graphene-Reinforced Nickel Sulfide Thin Film as High-Performance Binder-Free Anode for Sodium-Ion Battery

Xueke Xia[1], Jian Xie[1,2,*], Shichao Zhang[3], Bin Pan[4], Gaoshao Cao[2], Xinbing Zhao[1,2]

[1] *State Key Laboratory of Silicon Materials, School of Materials Science and Engineering, Zhejiang University, Hangzhou 310027, China*

[2] *Key Laboratory of Advanced Materials and Applications for Batteries of Zhejiang Province, Hangzhou 310027, China*

[3] *School of Materials Science and Engineering, Beijing University of Aeronautics and Astronautics, Beijing 100191, China*

[4] *Industrial Technology Research Institute of Zhejiang University, Hangzhou 310058, China*

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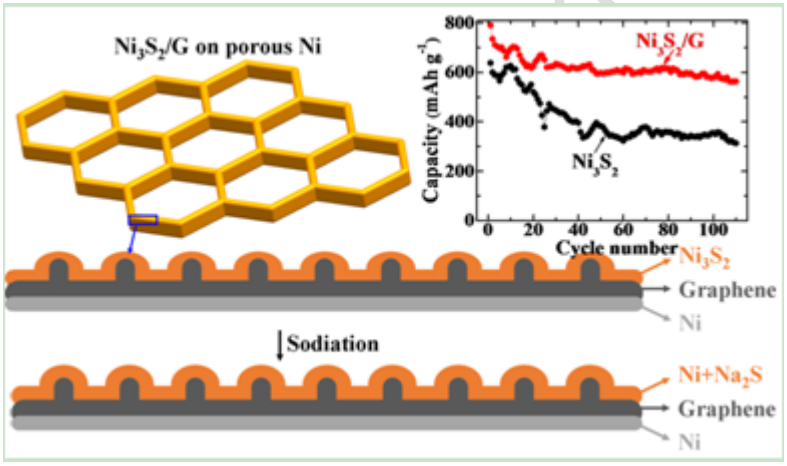
* Corresponding author. Ph.D.; Tel.: +86 571 87952181; Fax: +86 571 87951451.

E-mail address: xiejian1977@zju.edu.cn (J. Xie).

Graphical Abstract



Sodium-ion batteries (SIBs) recently have received a worldwide attention due to the resource abundance of sodium and similar battery chemistry with lithium-ion batteries (LIBs). However, search for suitable anodes for SIBs still remains a challenge since graphitized carbon, the anode for commercial LIBs, usually exhibits low electrochemical Na-storage activity. In this work, a unique graphene-reinforced Ni_3S_2 thin film (Ni_3S_2/G)