

## **Supporting Information for**

# **Trisodium Citrate as Modulation Additive to Increase the Cycle Capability of Bi<sub>2</sub>S<sub>3</sub> Cathode in Zinc-Ion Battery**

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## Supplementary Figures

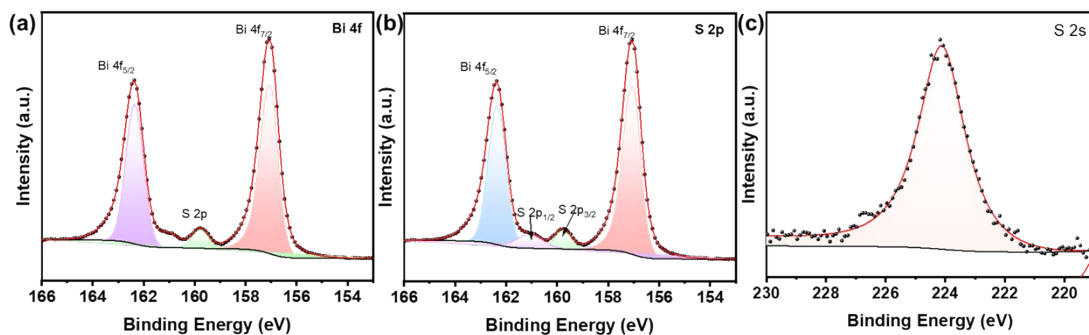


Figure S1. (a-c) Bi 4f, S 2p and S 2s spectrum of XPS for  $\text{Bi}_2\text{S}_3-0.0$ .

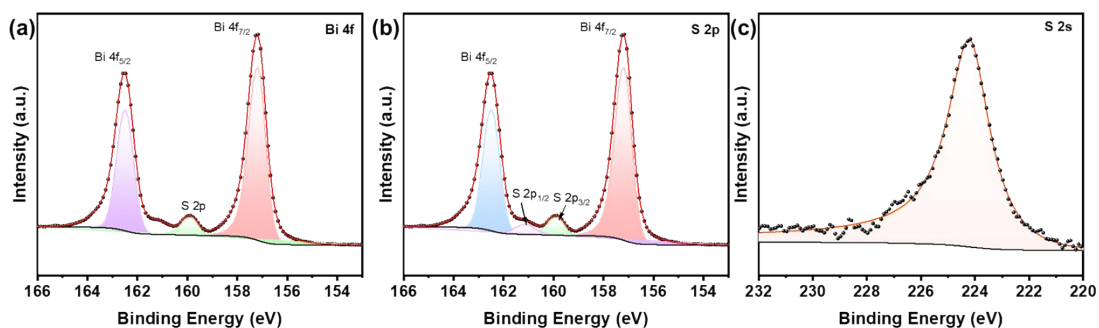


Figure S2. (a-c) Bi 4f, S 2p and S 2s spectrum of XPS for  $\text{Bi}_2\text{S}_3-0.3$ .

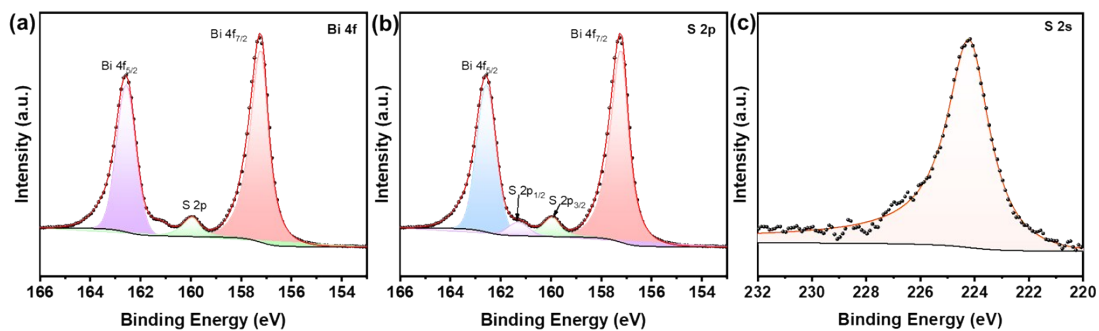


Figure S3. (a-c) Bi 4f, S 2p and S 2s spectrum of XPS for  $\text{Bi}_2\text{S}_3-0.6$ .

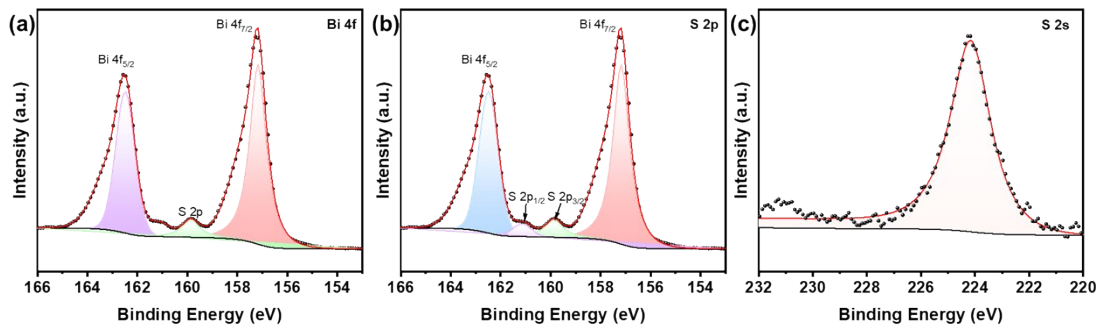


Figure S4. (a-c) Bi 4f, S 2p and S 2s spectrum of XPS for  $\text{Bi}_2\text{S}_3-0.9$ .