

Supporting information

Hybrid-Mechanism Synergistic Flexible Nb₂O₅@WS₂@C Carbon Nanofiber Anode for Superior Sodium Storage

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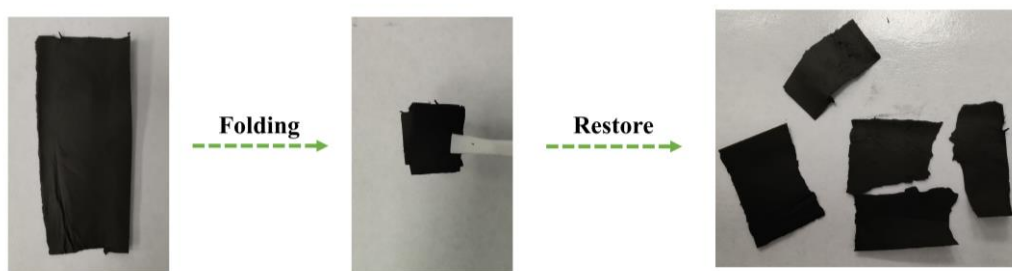


Figure S1. Photograph of pure CNFs films which were folded by many times.

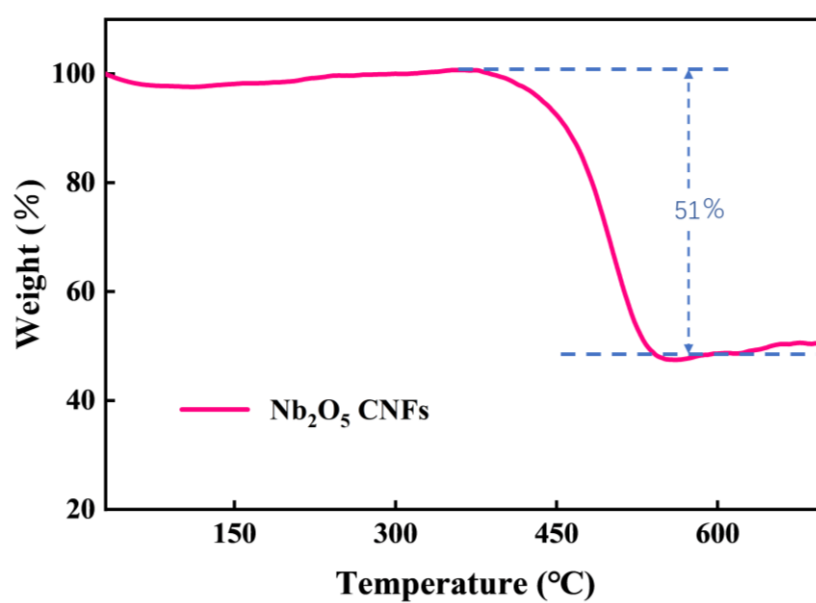


Figure S2. TG curve of Nb₂O₅ CNFs.

Table S1. The results of elemental analysis

Elemental	C (%)	S (%)	O (%)
Percentage of quality	16.8	18.2	4.1

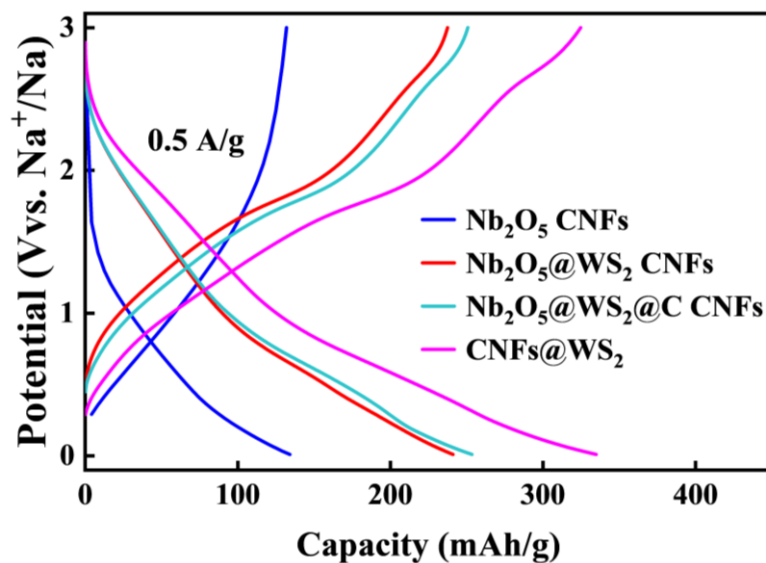


Figure S3. The GCD curve of Nb_2O_5 CNFs, $\text{Nb}_2\text{O}_5@\text{WS}_2$ CNFs, $\text{Nb}_2\text{O}_5@\text{WS}_2@\text{C}$ CNFs and $\text{CNFs}@\text{WS}_2$ electrodes at the current density of 0.5 A g^{-1} .

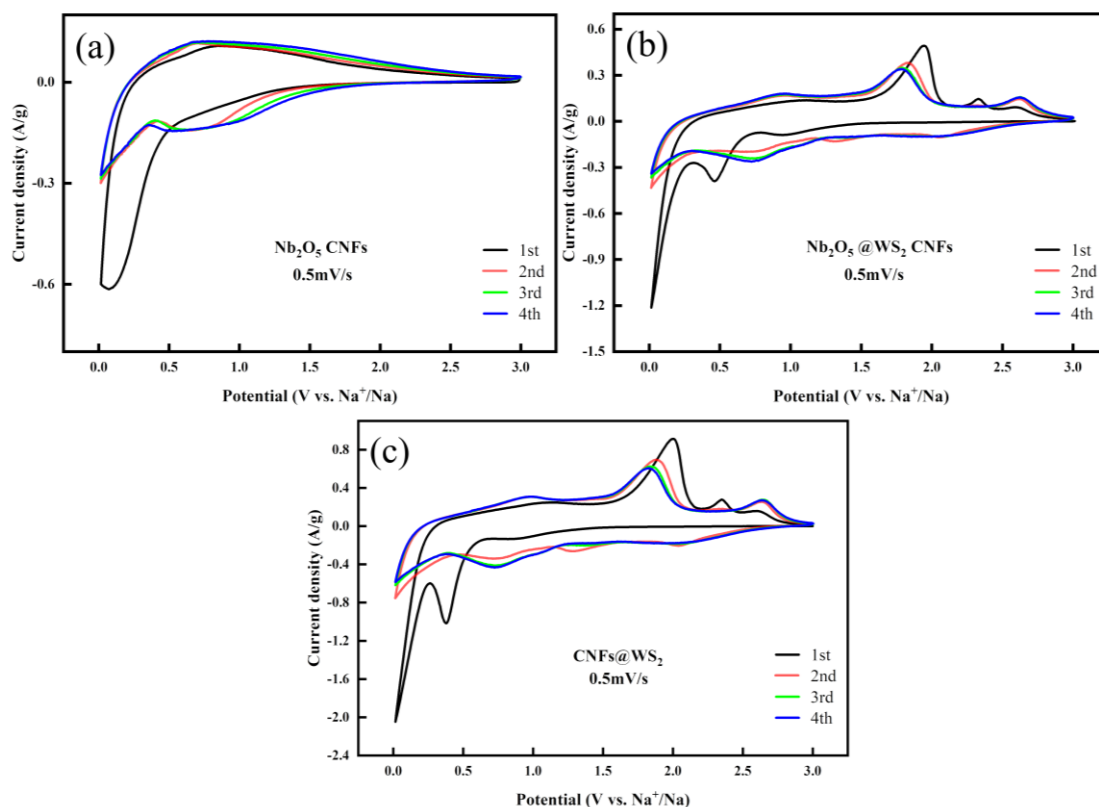


Figure S4. The CV profiles of initial four cycles for (a) Nb_2O_5 CNFs, (b) $\text{Nb}_2\text{O}_5@\text{WS}_2$ CNFs and (c) $\text{CNFs}@\text{WS}_2$ electrodes at a scan rate of 0.5 mV s^{-1} .

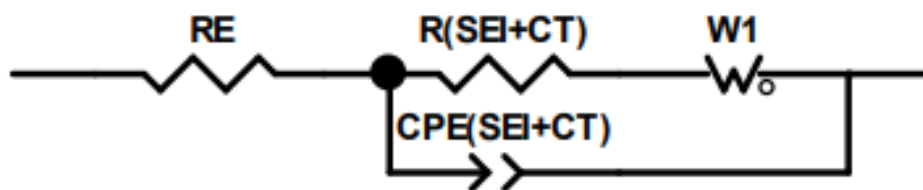


Table S2. The corresponding equivalent circuit and the calculated resistance values of the Nb₂O₅ CNFs, Nb₂O₅@WS₂ CNFs and the Nb₂O₅@WS₂@C CNFs.

Electrodes	$R_{(SEI+CT)}$
Nb ₂ O ₅ CNFs	131.2
Nb ₂ O ₅ @WS ₂ CNFs	729.4
Nb ₂ O ₅ @WS ₂ @C CNFs	613.4