

Supporting Information for A novel and fast method to prepare
Cu-supported α -Sb₂S₃@CuSbS₂ binder-free electrode for
sodium-ion batteries

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Table S1. Formulations and corresponding active material loading of different kinds of electrodes.

materials	load of the electrode	Ratio of active material, conductive carbon and binder	mass of the active material	Ref.
Sb ₂ S ₃ Hollow Microspheres	1 mg cm ⁻²	3:1:1	0.6 mg cm ⁻²	1
Sb ₂ S ₃	1 mg cm ⁻²	7:2:1	0.7 mg cm ⁻²	2
Tin assisted Sb ₂ S ₃ Nanoparticles	1.3 mg cm ⁻²	7:2:1	0.91 mg cm ⁻²	3
Sb ₂ S ₃ /Reduced Graphene Oxide	1 mg cm ⁻²	7:2:1	0.7 mg cm ⁻²	4
Sb ₂ S ₃ Nanosheets	1 mg cm ⁻²	6:2:2	0.6 mg cm ⁻²	5
Sb ₂ S ₃ /N-doped carbon nanofiber	0.8 mg cm ⁻²	8:1:1	0.64 mg cm ⁻²	6
Sb ₂ Se ₃ @NC@rGO	0.6-0.8 mg cm ⁻²	8:1:1	0.48-0.64 mg cm ⁻²	7
Our work	0.4-0.6 mg cm ⁻²		0.4-0.6 mg cm ⁻²	

Table S2. Preparation time of different types of electrodes.

Materials	Time required for electrode preparation	Ref.
$\text{Sb}_2\text{S}_3/\text{rGO}$	16 h	4
$\text{SnS}_2/\text{Sb}_2\text{S}_3@\text{rGO}$	overnight	8
Zn_4Sb_3	overnight	9
Sb porous hollow microspheres	12 h	10
$\text{Sb}_2\text{S}_3/\text{SGS}$	12 h	11
$\text{Sb}_2\text{S}_3@\text{P/C}$	overnight	12
Amorphous Sb_2S_3 Nanospheres	12 h	13
Antimony Sulfide/Graphene	12 h	14

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