

Supporting information:

Homogeneous Li⁺ flux realized by in-situ-formed Li-B alloy layer enabling dendrite-free lithium metal anode

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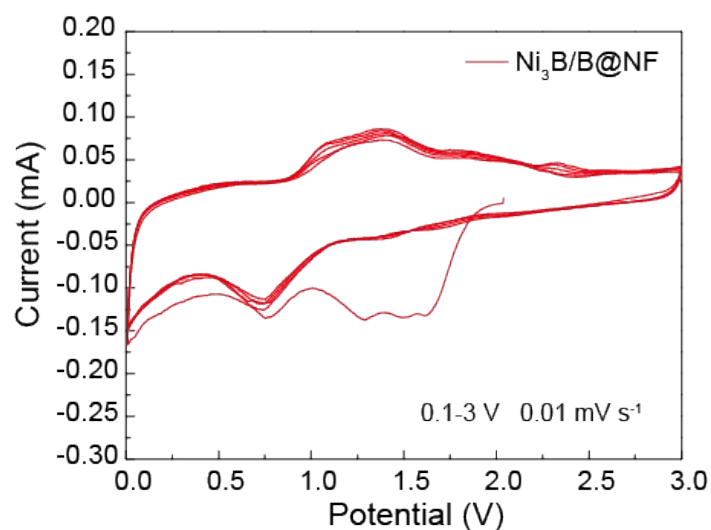


Figure S1. CV curve of $\text{Ni}_3\text{B/B@NF}$ electrode.

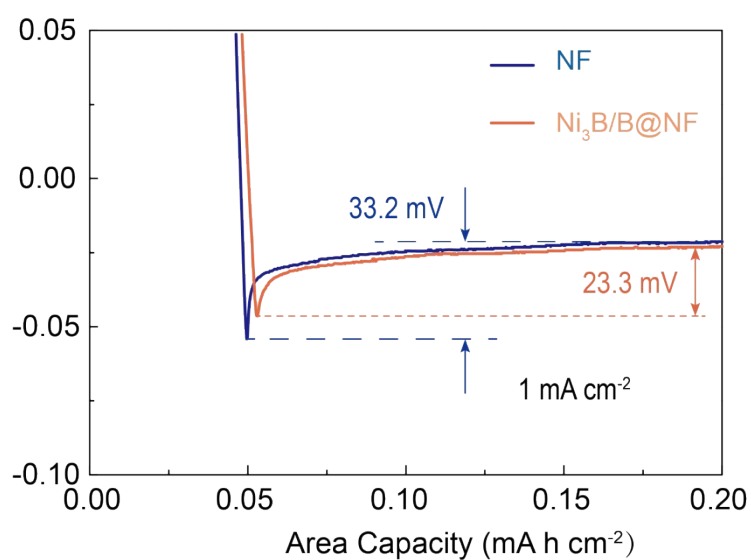


Figure S2. Nucleation overpotential of Li on the $\text{Ni}_3\text{B/B@NF}$ and NF electrode.

Table S1. The fitted parameters for Figure 4i.

Sample	$\text{Ni}_3\text{B/B@NF}$		NF	
	R_s (Ω)	R_{ct} (Ω)	R_s (Ω)	R_{ct} (Ω)
before cycle	1.86	18.4	1.639	14.37
50 th	2.535	5.907	2.161	14.53