

Solid-state synthesis of β -NaAlO₂ nanoflakes as an anode material for high-performance sodium-ion battery

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Supplementary Information

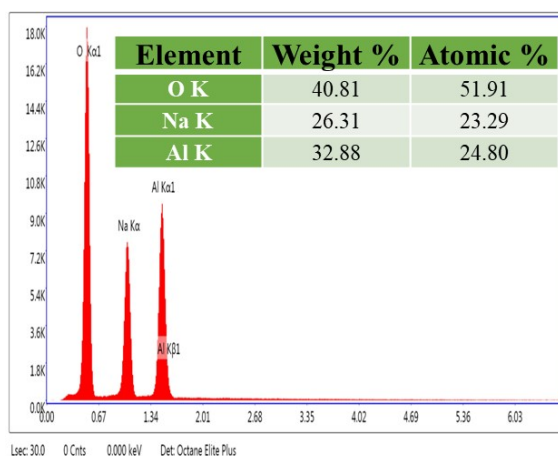


Figure S1 EDX analysis of β -NaAlO₂ nanoflakes.

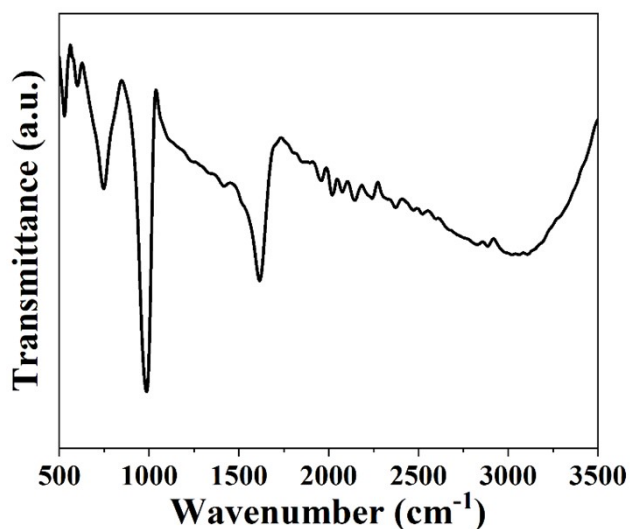


Figure S2 FTIR spectra of β -NaAlO₂ nanoflakes.

Table S1 EIS parameters of NaAlO₂ anode for 1st and 100th cycle

Cycle No.	R ₁ (Ω)	R ₂ (Ω)	CPE-T (F)	CPE-P
1	150.06	110.12	2.745e ⁻⁶	0.231
100	200.21	102.09	2.621e ⁻⁶	0.275

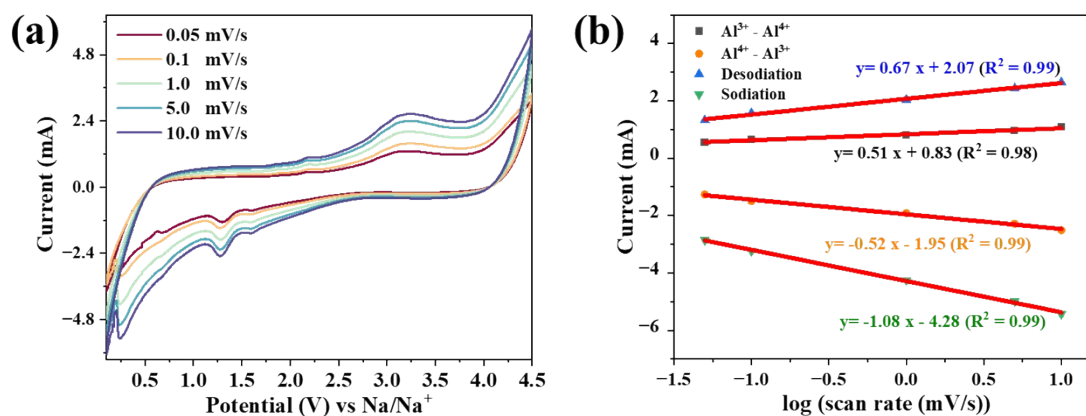


Figure S3 (a) Cyclic voltammety curve of β -NaAlO₂ anode with different scan rates from 0.05 to 10 mV/s (b) corresponding linear calibration curve.