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## ABSTRACT

In this work, we have achieved all-climate high-rate performance of sodium ion batteries by utilizing the electrode materials with Na Super Ionic Conductor (NASICON) crystalline structure. A designed NASICON-structured carbon-coated  $\text{Na}_3\text{V}_2(\text{PO}_4)_3$  (NVP@C) nanocomposite exhibits an excellent performance at high rates in a wide temperature range (i.e., from -20 to 55

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