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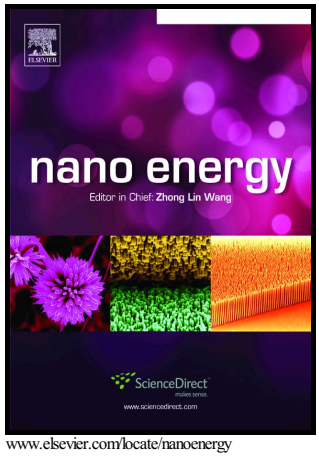

www.elsevier.com/locate/nanoenergy

PII: S2211-2855(16)30387-1
DOI: http://dx.doi.org/10.1016/j.nanoen.2016.09.024
Reference: NANOEN1503

To appear in: *Nano Energy*

Received date: 29 June 2016
Revised date: 12 September 2016
Accepted date: 12 September 2016

Cite this article as: Tiefeng Liu, Bo Wang, Xingxing Gu, Lei Wang, Min Ling, Gao Liu, Dianlong Wang and Shanqing Zhang, All-climate Sodium Ion Batteries Based on the NASICON Electrode Materials, *Nano Energy* http://dx.doi.org/10.1016/j.nanoen.2016.09.024

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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 $Na_3V_2(PO_4)_3$ (NVP@C) nanocomposite exhibits an excellent performance at high rates in a wide temperature range (i.e., from -20 to 55