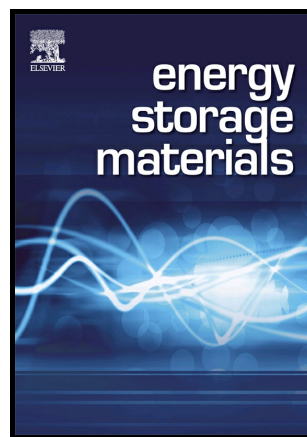


Author's Accepted Manuscript

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PII: S2405-8297(16)30213-6
DOI: <http://dx.doi.org/10.1016/j.ensm.2016.10.003>
Reference: ENSM90

To appear in: *Energy Storage Materials*

Received date: 4 August 2016
Revised date: 4 September 2016
Accepted date: 10 October 2016

Cite this article as: Shuanghao Zheng, Zhong-Shuai Wu, Sen Wang, Han Xiao, Feng Zhou, Chenglin Sun, Xinhe Bao and Hui-Ming Cheng, Graphene-Based Materials for High-Voltage and High-Energy Asymmetric Supercapacitors, *Energy Storage Materials*, <http://dx.doi.org/10.1016/j.ensm.2016.10.003>

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**Graphene-Based Materials for High-Voltage and High-Energy Asymmetric
Supercapacitors**

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Abstract

The ultrathin two-dimensional structure and unique properties of graphene make it highly attractive for high-performance asymmetric supercapacitors (ASCs), which are generally constructed by two different materials as positive electrode and negative electrode, respectively, in an asymmetric configuration. Here, a deep insight into the recent advances of graphene-based materials for high-voltage and high-energy asymmetric supercapacitors (ASCs) is presented. First, the critical aspects that

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