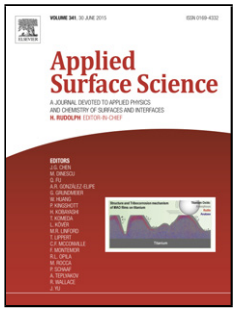
Accepted Manuscript



Title: Flexible three-dimensional electrodes of hollow carbon bead strings as graded sulfur reservoirs and the synergistic mechanism for lithium–sulfur batteries

Authors: Dan Yang, Wei Ni, Jianli Cheng, Zhuanpei Wang, Ting Wang, Qun Guan, Yun Zhang, Hao Wu, Xiaodong Li, Bin Wang

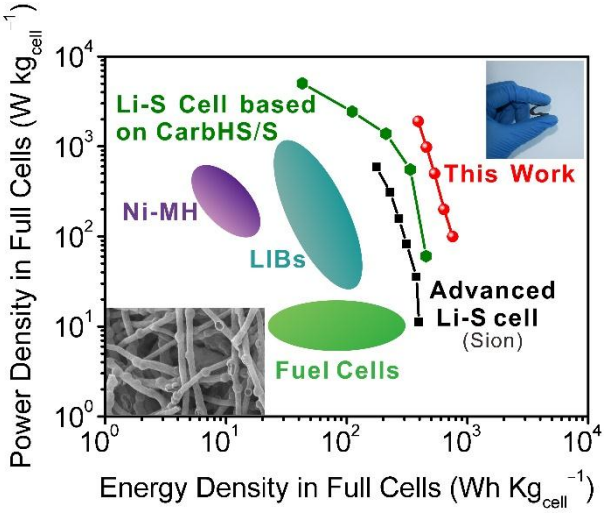
PII: S0169-4332(17)31063-2
DOI: http://dx.doi.org/doi:10.1016/j.apsusc.2017.04.046
Reference: APSUSC 35721

To appear in: *APSUSC*

Received date: 23-2-2017
Revised date: 28-3-2017
Accepted date: 6-4-2017

Please cite this article as: Dan Yang, Wei Ni, Jianli Cheng, Zhuanpei Wang, Ting Wang, Qun Guan, Yun Zhang, Hao Wu, Xiaodong Li, Bin Wang, Flexible three-dimensional electrodes of hollow carbon bead strings as graded sulfur reservoirs and the synergistic mechanism for lithium–sulfur batteries, Applied Surface Sciencehttp://dx.doi.org/10.1016/j.apsusc.2017.04.046

Graphical Abstract



Flexible three-dimensional electrode comprised of stringed N-doped hollow carbon spheres shows a synergistic sulfur confinement mechanism and a higher energy/power density for the promising lithium-sulfur batteries compared with traditional electrodes.