

Supporting Information

Incorporating TiO₂ nanoparticles into the multichannels of electrospun carbon fibers to increase the adsorption of polysulfides in room temperature sodium-sulfur batteries

YE Xin^{1, †}, LI Zhi-qi^{1, †}, SUN Hao¹, WU Ming-xia², AN Zhong-xun², PANG Yue-peng¹, YANG Jun-he¹, ZHENG Shi-you^{1*}

1. School of Materials Science and Engineering, University of Shanghai for Science and Technology, Shanghai 200093, China
2. Shanghai Aowei Technology Development Co., Ltd, Shanghai 201203, China

Author Bio:

[†]These authors contributed equally to this work

Corresponding author:

ZHENG Shi-you, Professor. E-mail: syzheng@usst.edu.cn

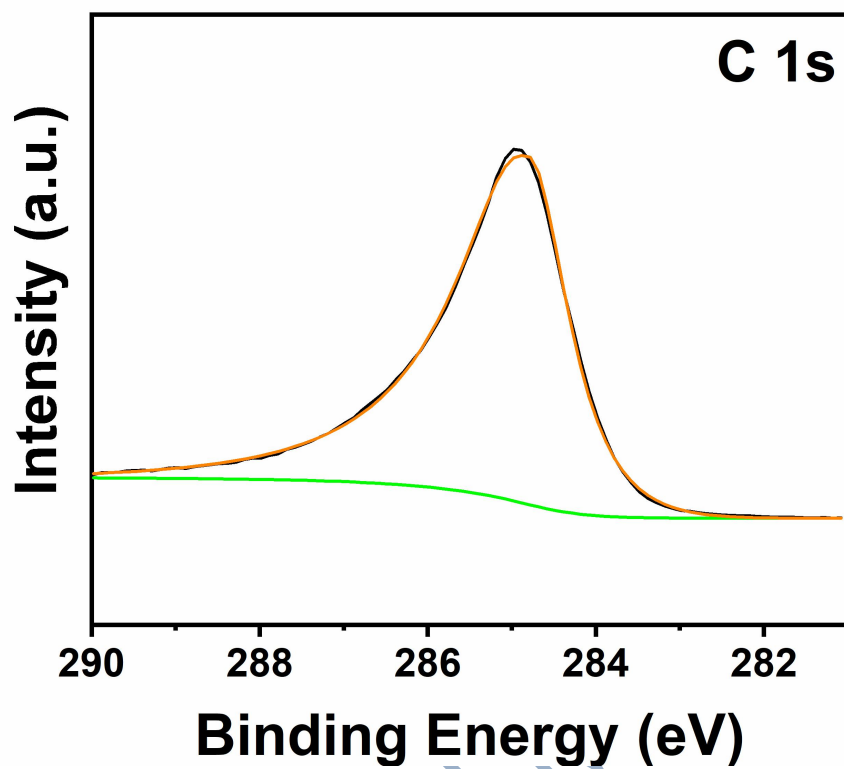


Fig. S1 High-resolution X-ray photoelectron spectroscopy (XPS) spectra of C 1s for S/TiO₂@MCCFs.

NEW CARBON MATERIALS

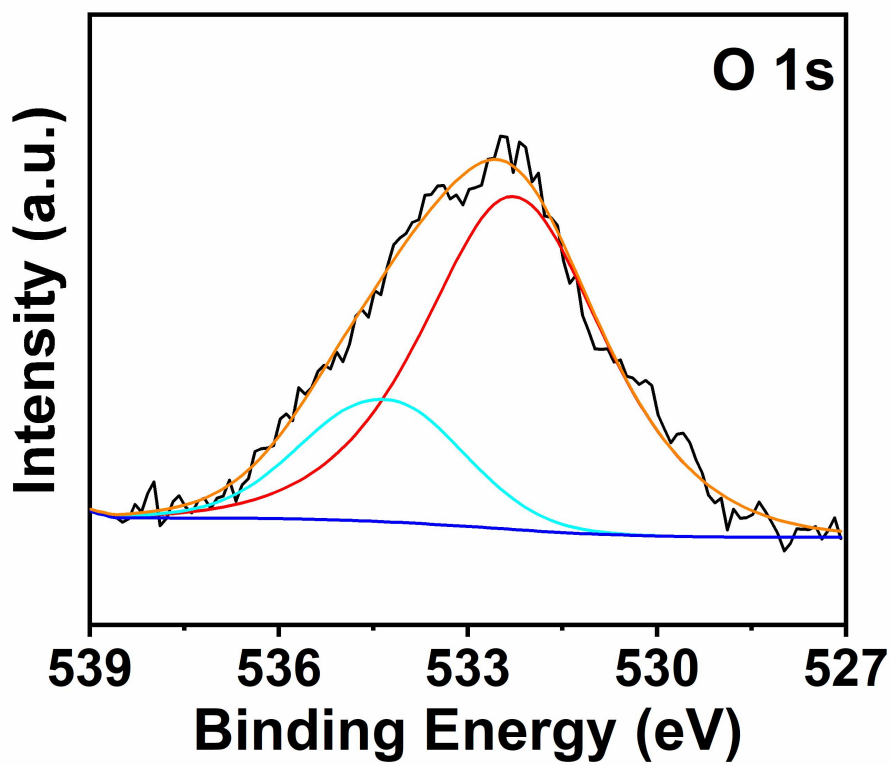


Fig. S2 High-resolution X-ray photoelectron spectroscopy (XPS) spectra of O 1s for S/TiO₂@MCCFs.

NEW CARBON MATERIALS

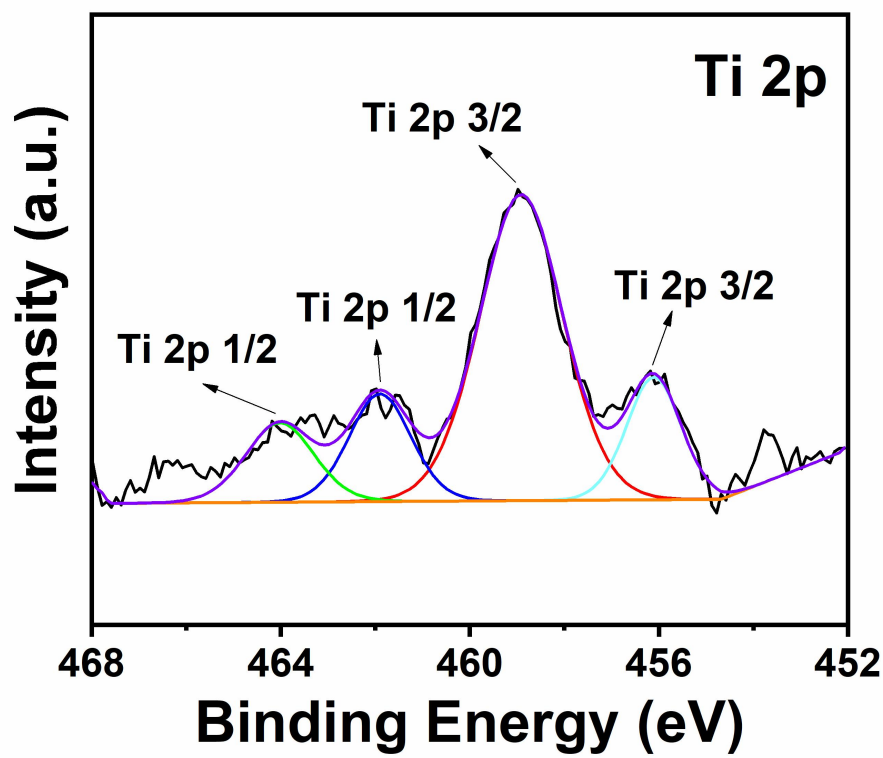


Fig. S3 High-resolution X-ray photoelectron spectroscopy (XPS) spectra of Ti 2p for S/TiO₂@MCCFs.

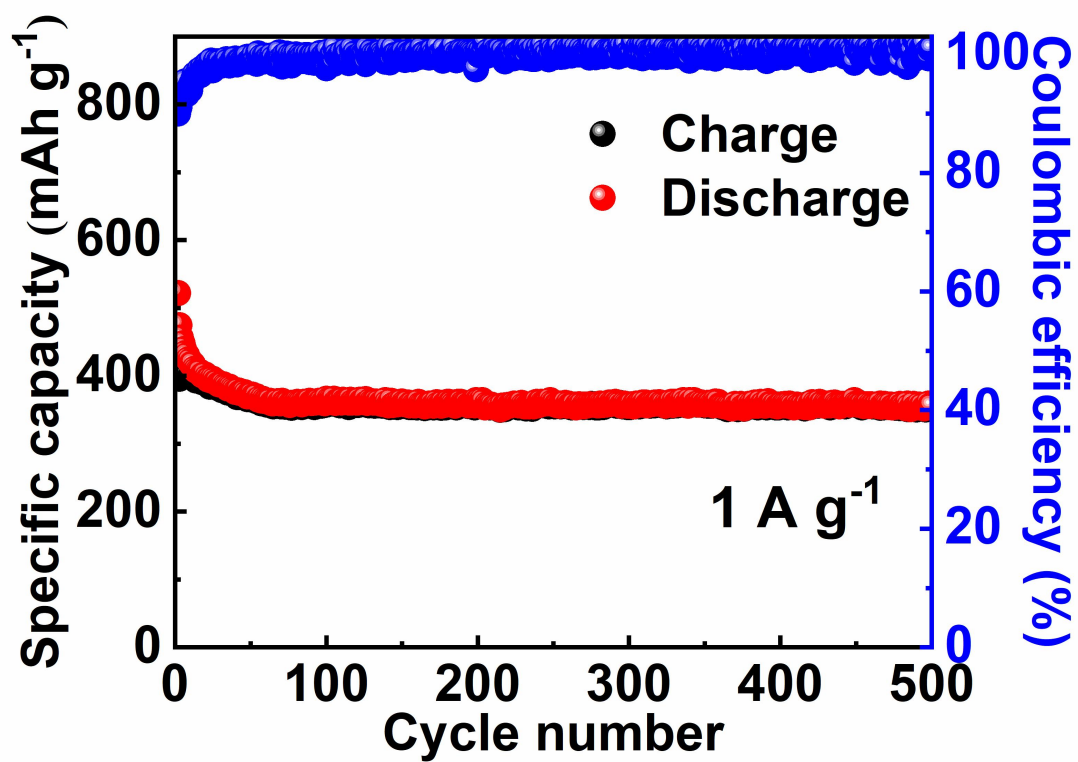


Fig. S4 Cycling performance for S/TiO₂@MCCFs at 1 A g⁻¹.