Electrospinning Graphite/SiC Mesoporous Hybrid Fibers with Tunable Structures

Huilin Hou\textsuperscript{1,2,\textdagger}, Chunlei Dong\textsuperscript{3,\textdagger}, Lin Wang\textsuperscript{2}, Fengmei Gao\textsuperscript{2}, Guodong Wei\textsuperscript{2}, Jinju Zheng\textsuperscript{2}, Xiaomin Cheng\textsuperscript{3}, Bin Tang\textsuperscript{1,*}, and Weiyou Yang\textsuperscript{2,*}

\textsuperscript{1}Research Institute of Surface Engineering, Taiyuan University of Technology, Taiyuan City, 030024, P.R. China.

\textsuperscript{2}Institute of Materials, Ningbo University of Technology, Ningbo City, 315016, P.R. China.

\textsuperscript{\textdagger}: Equal contribution authors.

Corresponding author E-mails: tangbin@tyut.edu.cn (B. Tang)

weiyouyang@tsinghua.org.cn (W. Yang)

Tel: +86-574-87080966

Fax: +86-574-87081221
**Fig. S1.** A representative SEM image of as-spun polymer precursor fibers of Sample B.
Fig. S2. Representative XRD patterns recorded from the as-synthesized mesoporous fibers of Sample A, C, D, E and F.
Fig. S3 Typical SEM images of the electrospun polymer precursor fibers of Sample A, C, D, E and F.
**Fig. S4.** Typical EDS spectra of the mesoporous Graphite/SiC hybrid fibers of Sample A, B, C, D, E and F.
Fig. S5. Graphite concentrations within the fibers of Sample A-F.