Support Information

Hierarchical Hollow Tubular Fibrous Brucite-Templated Carbons Obtained by KOH Activation for Supercapacitor

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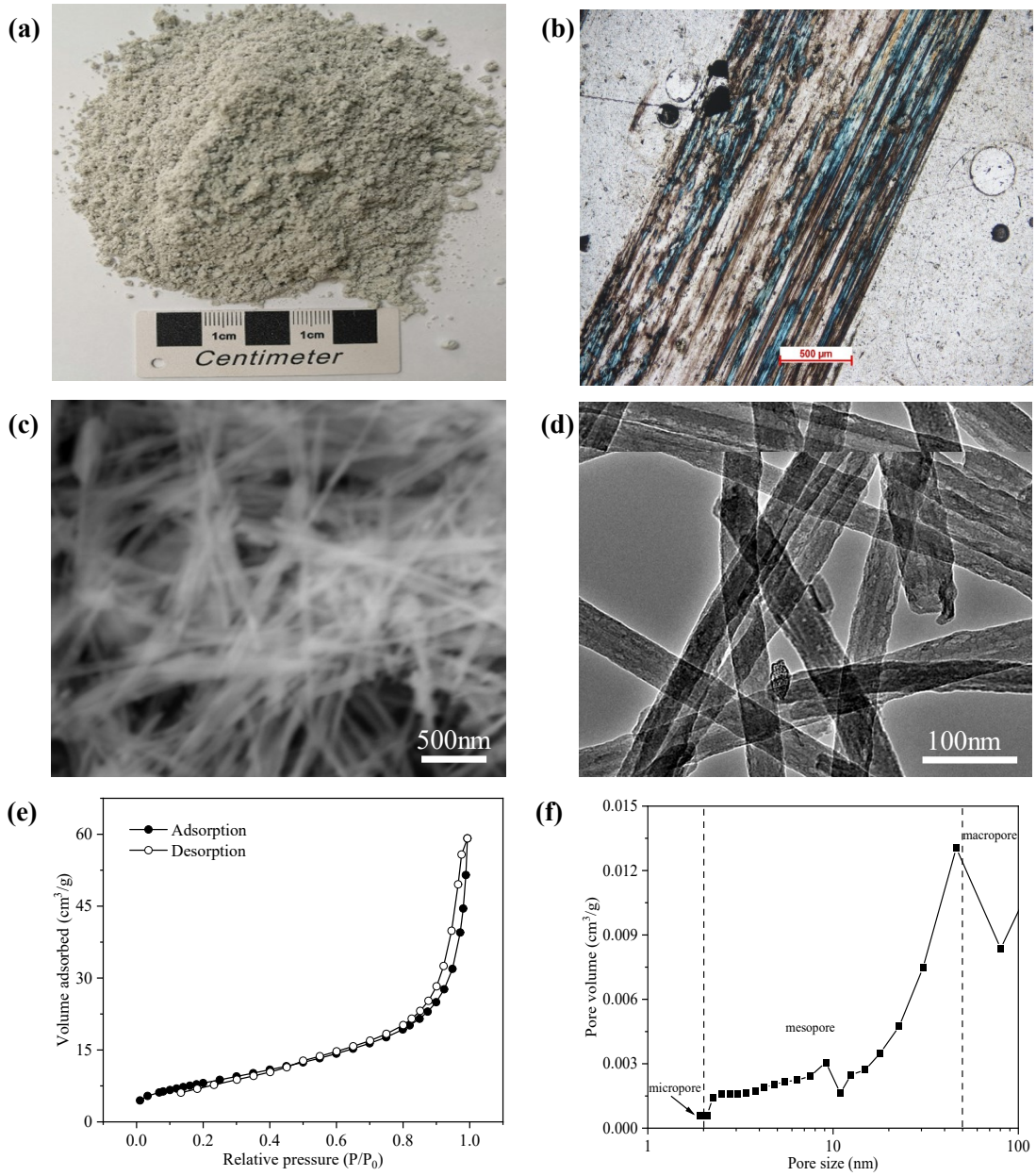

Fig. S1 Mineralogical characteristics analysis of fibrous brucite used in experiments. (a) Fibrous brucite powder. (b) Photomineralogical features under cross-polarized. (c) SEM. (d) TEM micrograph. (e) N_2 adsorption-desorption isotherms and (f) DFT pore size distribution.

Table S1 Specific surface areas and pore texture of fibrous brucite

Sample	D_{ap} (nm)	S_{Total} (m^2/g)	V_{Total} (cm^3/g)	V_{micro} (cm^3/g)	V_{meso} (cm^3/g)
FB	8.2	33	0.09	0.001	0.06

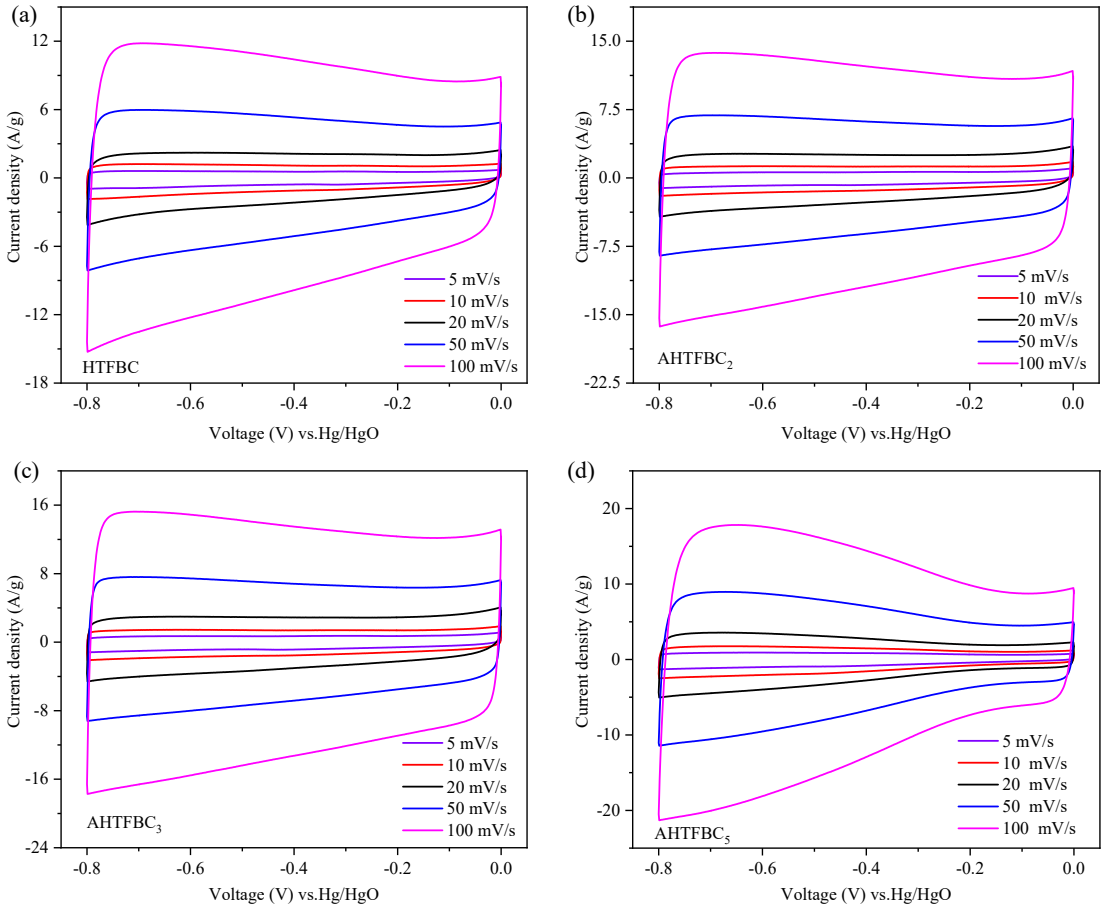

Fig. S2 CV curves of the HTFBC and AHTFBCs measured in a three-electrode system in the 6 M KOH electrolyte. (a) HTFBC; (b) $AHTFBC_2$; (c) $AHTFBC_3$; (d) $AHTFBC_5$

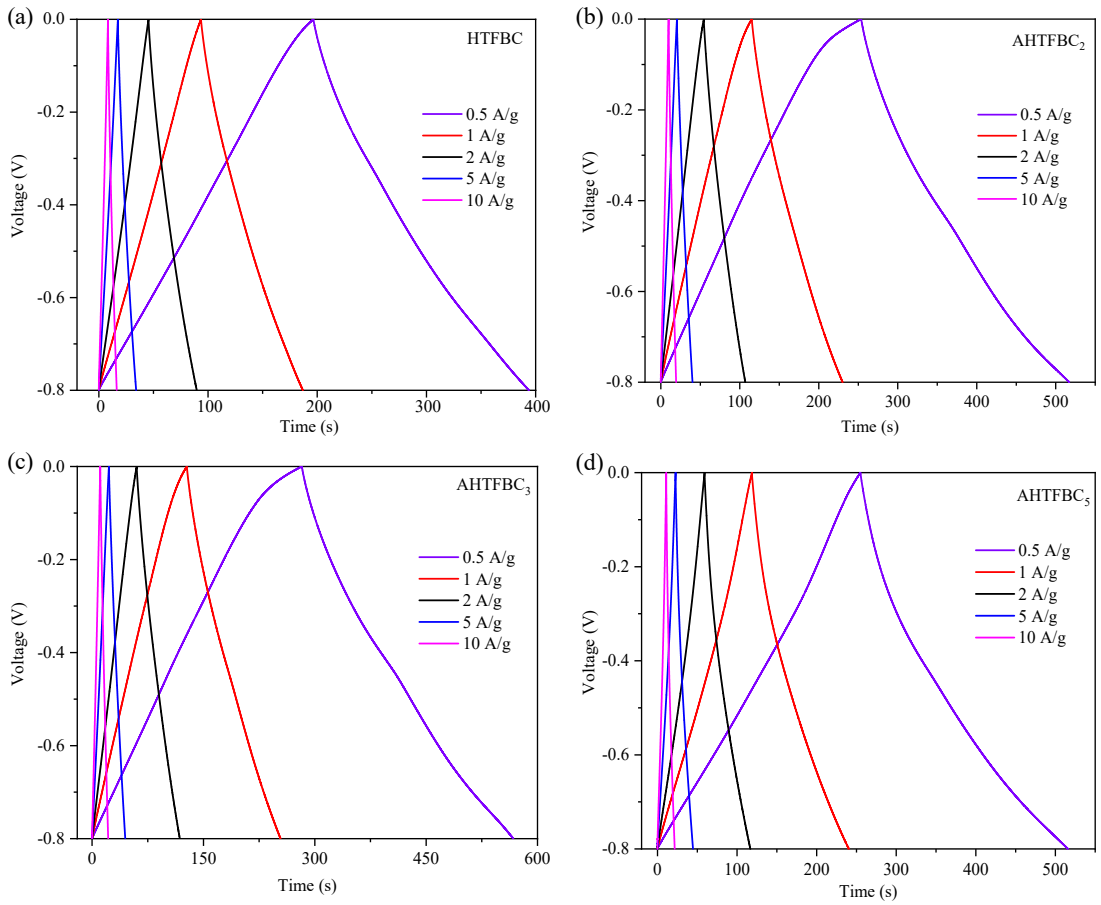

Fig. S3 GCD curves of the HTFBC and AHTFBCs measured in a three-electrode system in the 6 M KOH electrolyte. (a) HTFBC; (b) $AHTFBC_2$; (c) $AHTFBC_3$; (d) $AHTFBC_5$

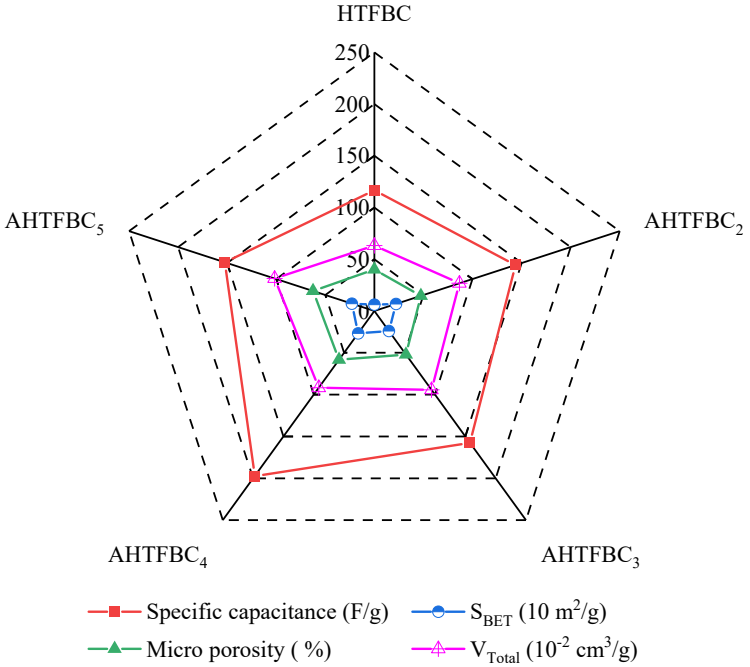

Fig. S4 The cobweb map of specific capacitance、specific surface area、pore volume and micro porosity of HTFBC and AHTFBCs

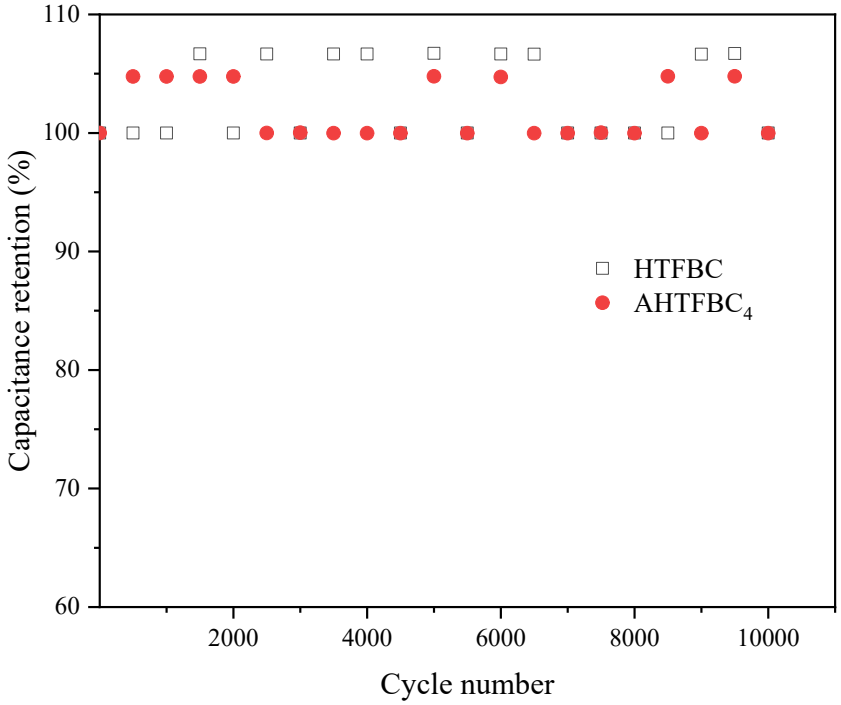

Fig. S5 Cycling performance at 5 A/g of HTFBC and $AHTFBC_4$ measured in a three-electrode system in the 6 M KOH electrolyte

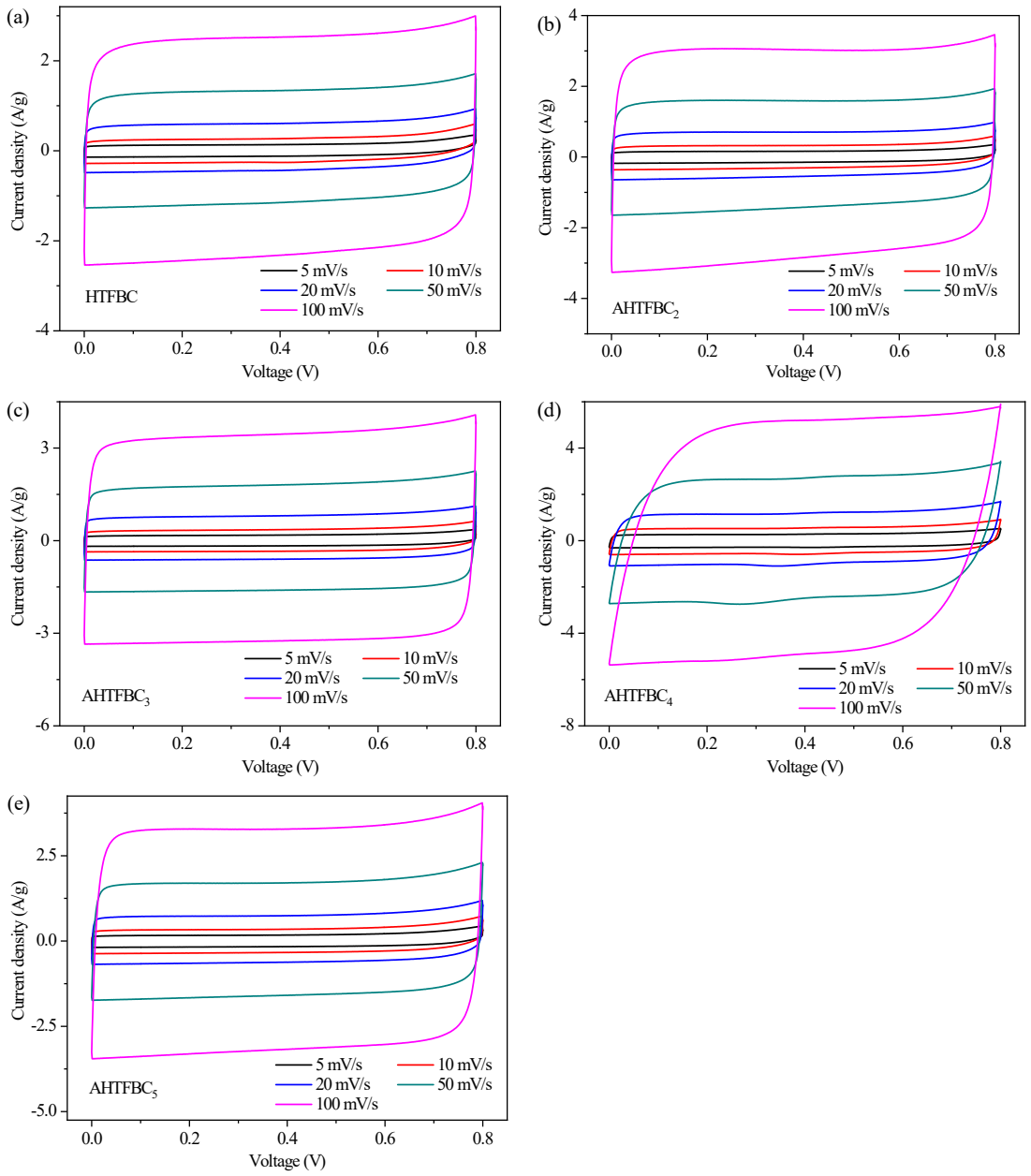

Fig. S6 CV curves of the HTFBC and AHTFBCs measured in a two-electrode symmetrical system in the 6 M KOH electrolyte. (a) HTFBC; (b) $AHTFBC_2$; (c) $AHTFBC_3$; (d) $AHTFBC_4$; (e) $AHTFBC_5$

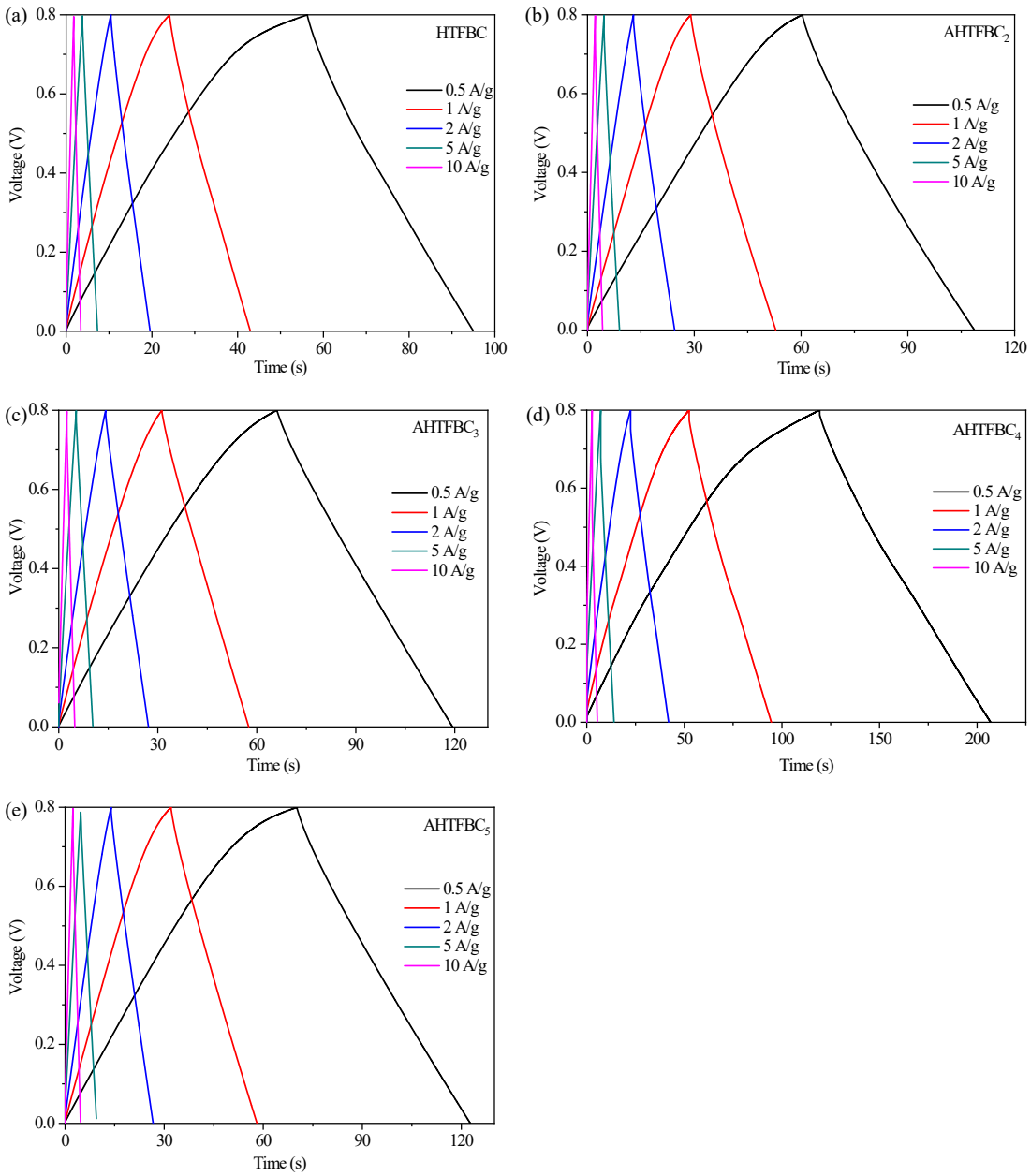

Fig. S7 GCD curves of the HTFBC and AHTFBCs measured in a two-electrode symmetrical system
in the 6 M KOH electrolyte. (a) HTFBC; (b) $AHTFBC_2$; (c) $AHTFBC_3$; (d) $AHTFBC_4$; (e) $AHTFBC_5$

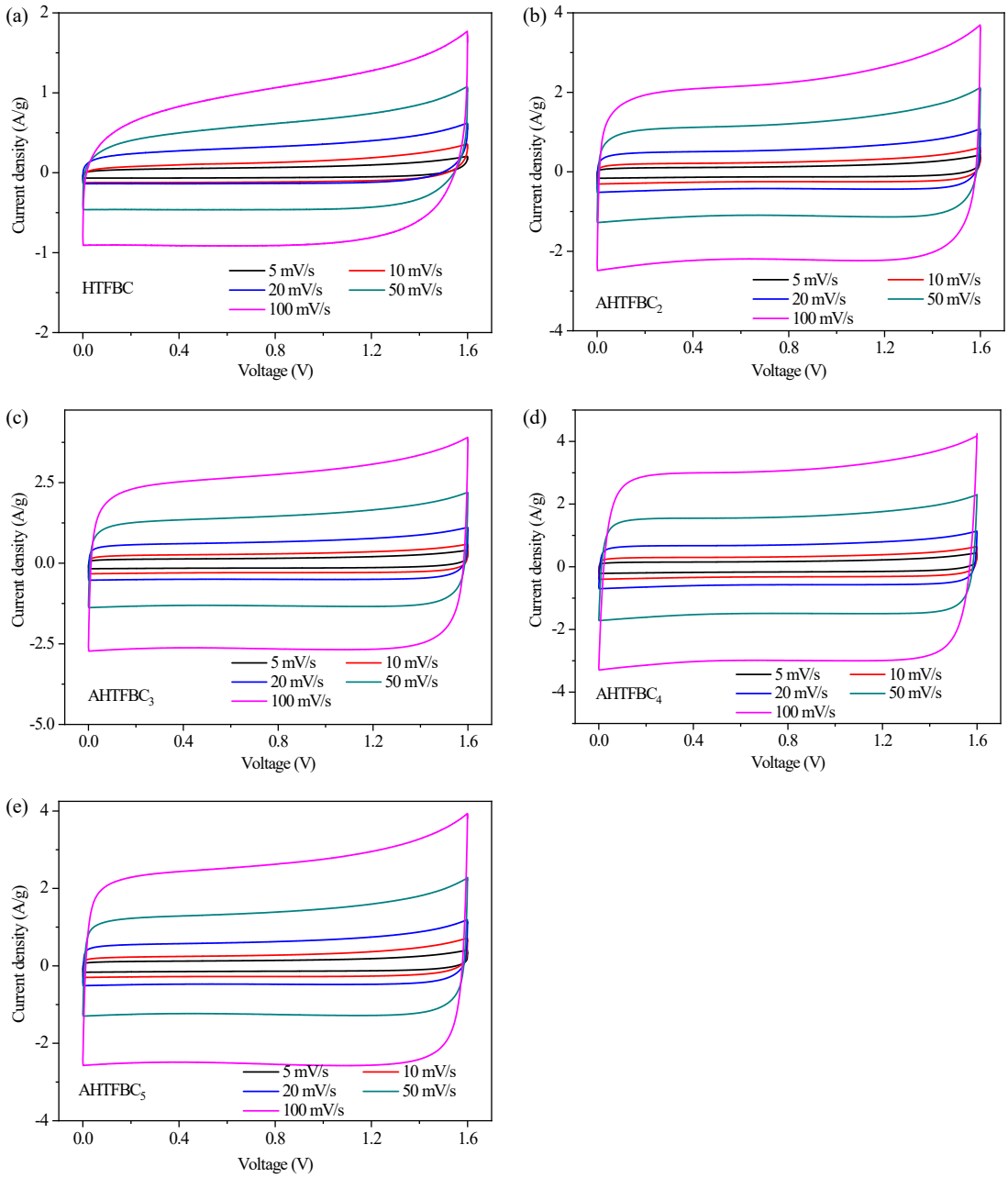

Fig. S8 CV curves of the HTFBC and AHTFBCs measured in a two-electrode symmetrical system in the 1 M Na_2SO_4 electrolyte. (a) HTFBC; (b) $AHTFBC_2$; (c) $AHTFBC_3$; (d) $AHTFBC_4$; (e) $AHTFBC_5$

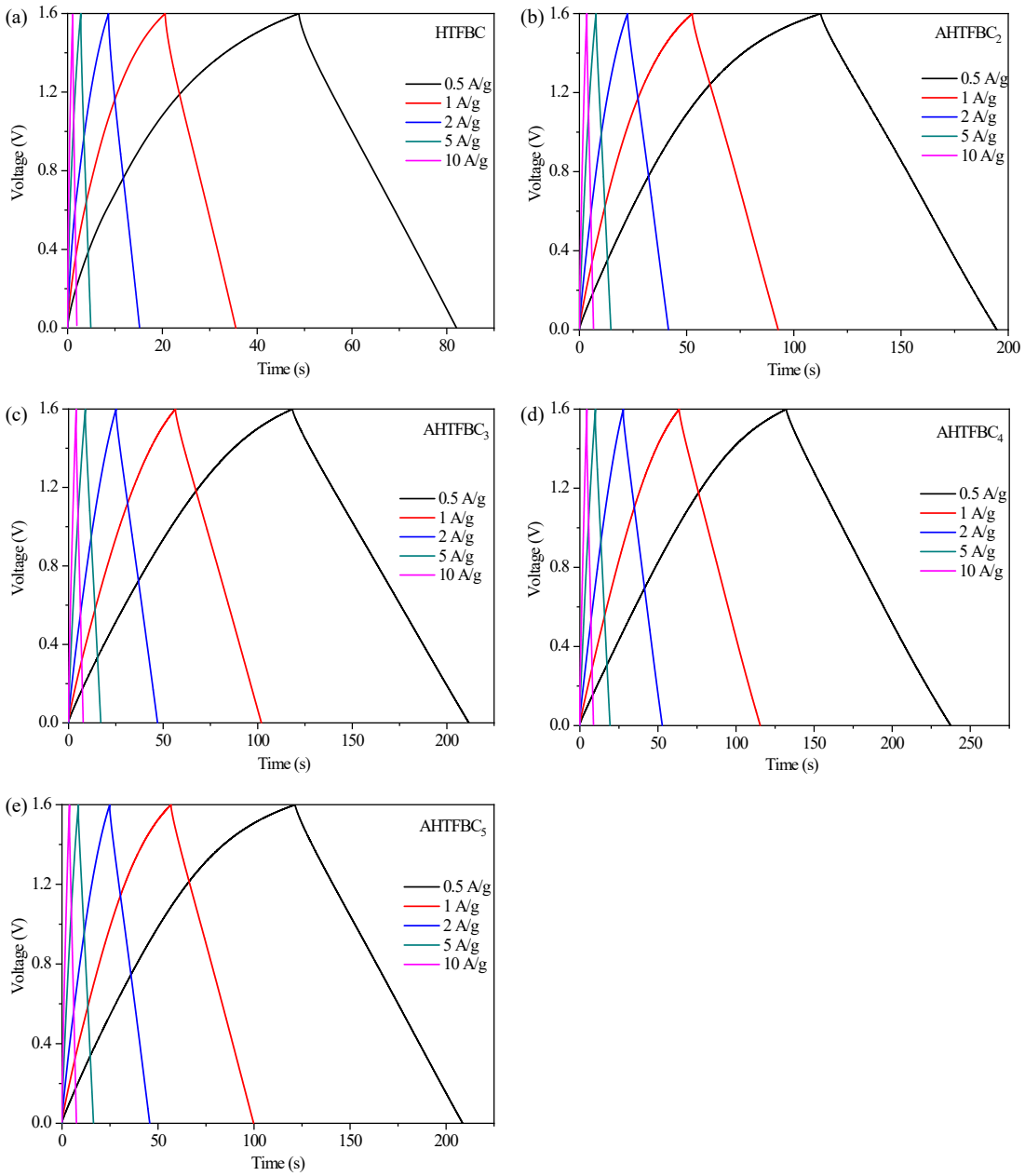

Fig. S9 CV curves of the HTFBC and AHTFBCs measured in a two-electrode symmetrical system in the 1 M Na_2SO_4 electrolyte. (a) HTFBC; (b) $AHTFBC_2$; (c) $AHTFBC_3$; (d) $AHTFBC_4$; (e) $AHTFBC_5$