Electronic Supplementary Material

Controllable synthesis of biomimetic nano/submicro-fibrous cellulose tubes for potential small-diameter vascular grafts

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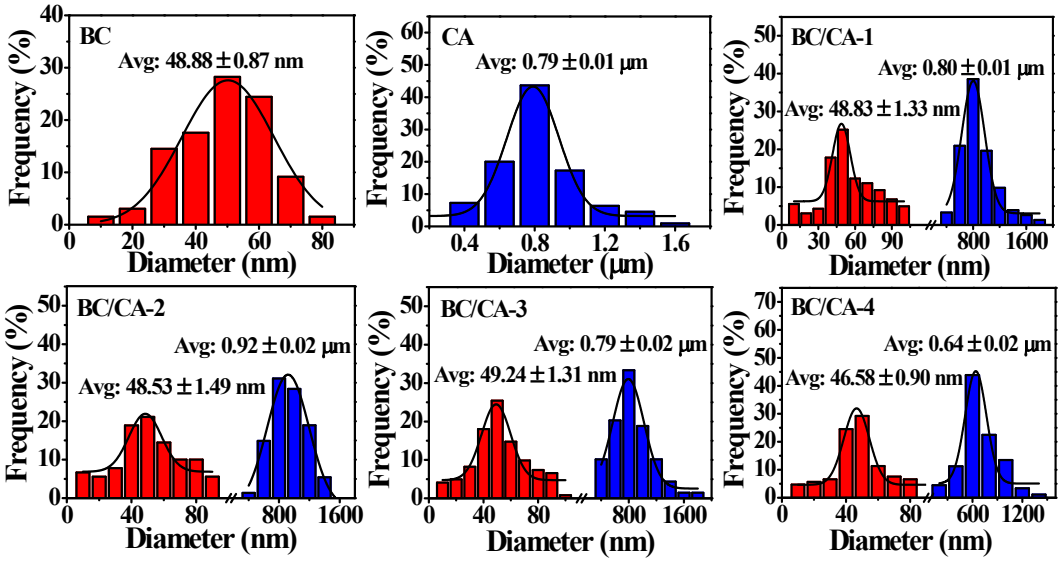

Fig. S1. Fiber diameter distribution of BC, CA, and BC/CA grafts.

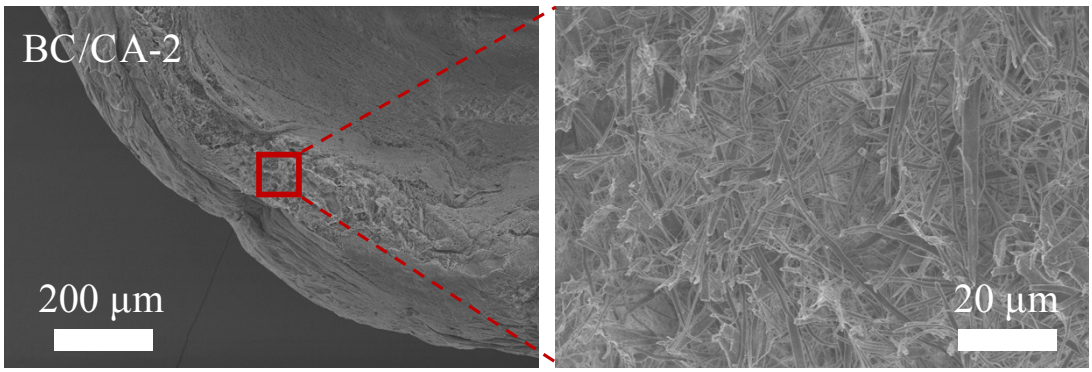

Fig. S2. SEM images of the cross section of BC/CA-2, showing the presence of BC nanofibers throughout the graft.

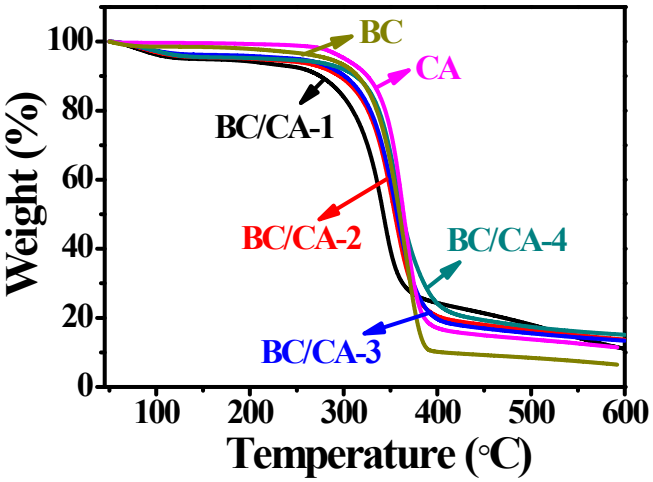

Fig. S3. TGA curves of BC, CA, and BC/CA grafts.

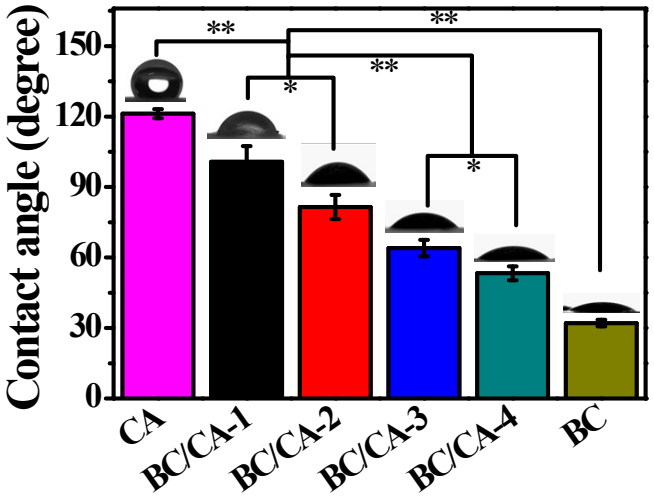

Fig. S4. Water contact angles of various scaffold materials. Significance was defined as $^{**}p < 0.01$, n = 5.

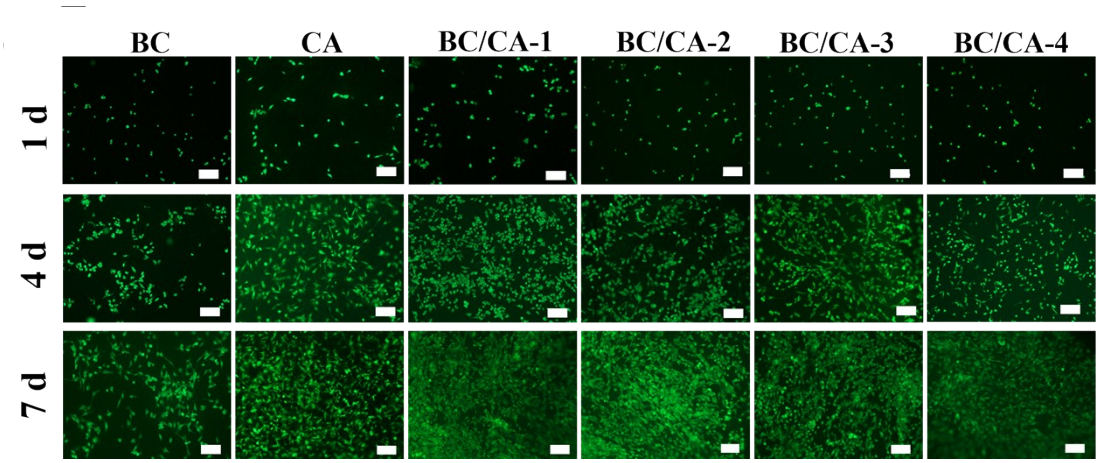

Fig. S5. Fluorescence microscopy images of HUVEC cells seeded on BC, CA, and BC/CA grafts for 1, 4, and 7 days. FDA was used to stain the live cells. Scale bars: 100 μm.

Table S1

BC content (wt %) of various BC/CA grafts.

Samples	Content of BC (wt%)	SD
CA	0.0	0.0
BC/CA-1	2.7	0.8
BC/CA-2	6.1	0.7
BC/CA-3	7.7	1.4
BC/CA-4	9.1	1.3
BC	100.0	0.0