**Supplementary Information:** Jian Zhou, Zhan Zhang, Ke Ma, Yongming Xu, Peng Li, and Yixuan Wang: Novel Aerogels Based on Citric Acid Crosslinked Bacterial Cellulose for Sustained Release of Nicotine in Oral Nicotine Products; Contrib. Tob. Nicotine Res. 34 (2025) 135–147. DOI: 10.2478/cttr-2025-0013

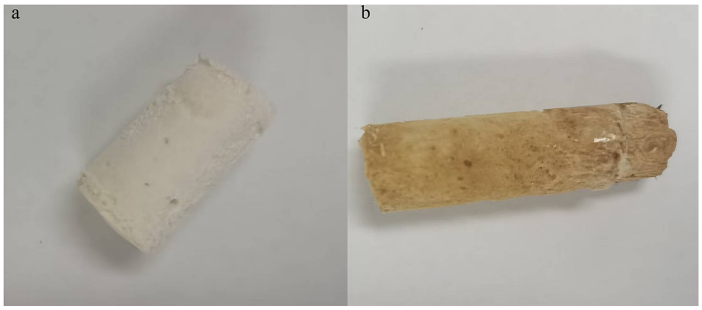


**Figure S1. Photographs of CA-BC aerogel material without tobacco extract (a) and CA-BC aerogel material with tobacco extract (b).**

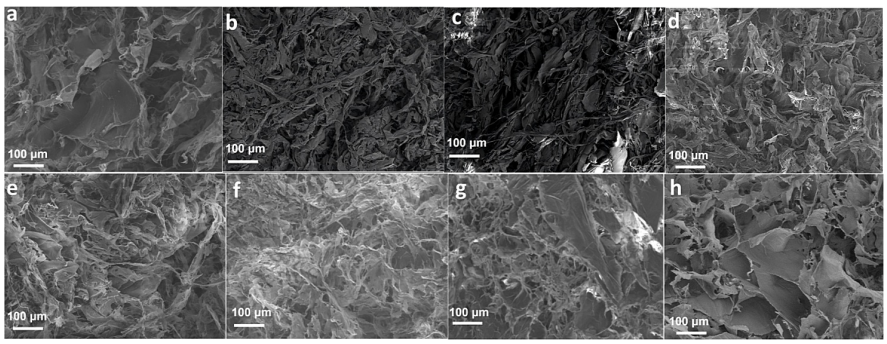


**Figure S2. SEM images of the BC aerogel material (a), 1% CA-BC aerogel material (b), 2% CA-BC aerogel material (c), 5% CA-BC aerogel material (d), 10% CA-BC aerogel material (e), 20% CA-BC aerogel material (f), 50% CA-BC aerogel material (g), and 100% CA-BC aerogel material (h).**

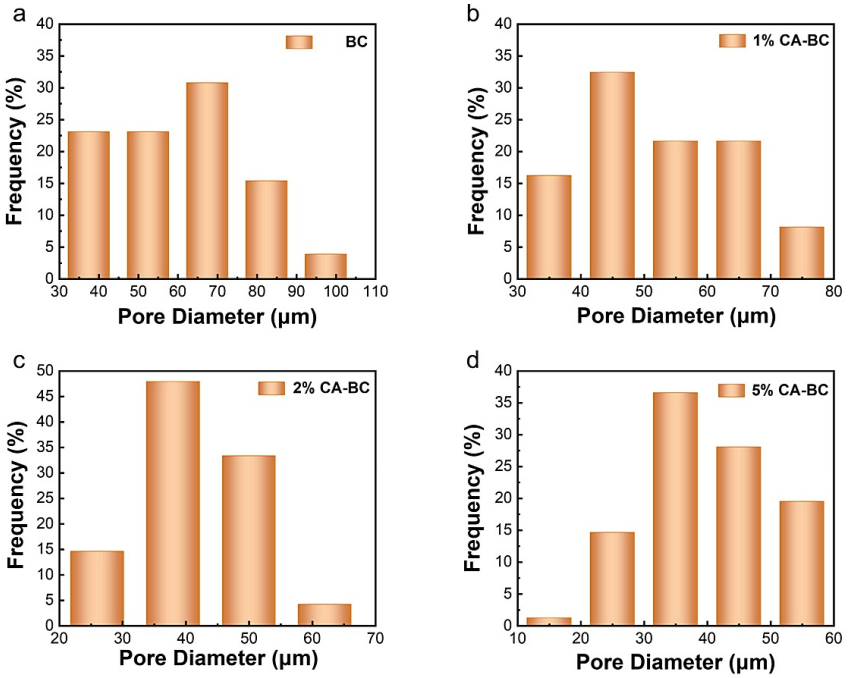


**Figure S3. Pore size distributions of BC aerogel material (a), 1% CA-BC aerogel material (b), 2% CA-BC aerogel material (c) and 5% CA-BC aerogel material (d) measured by using SEM.**

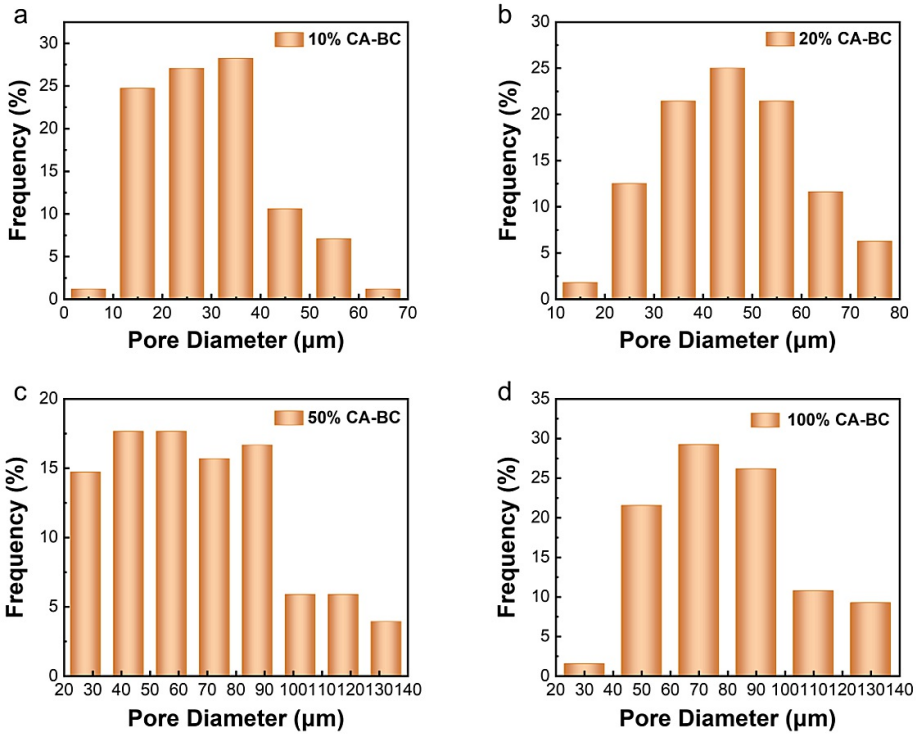


**Figure S4. Pore size distributions of 10% CA-BC aerogel material (a), 20% CA-BC aerogel material (b), 50% CA-BC aerogel material (c), 100% CA-BC aerogel material (d) measured by using SEM.**

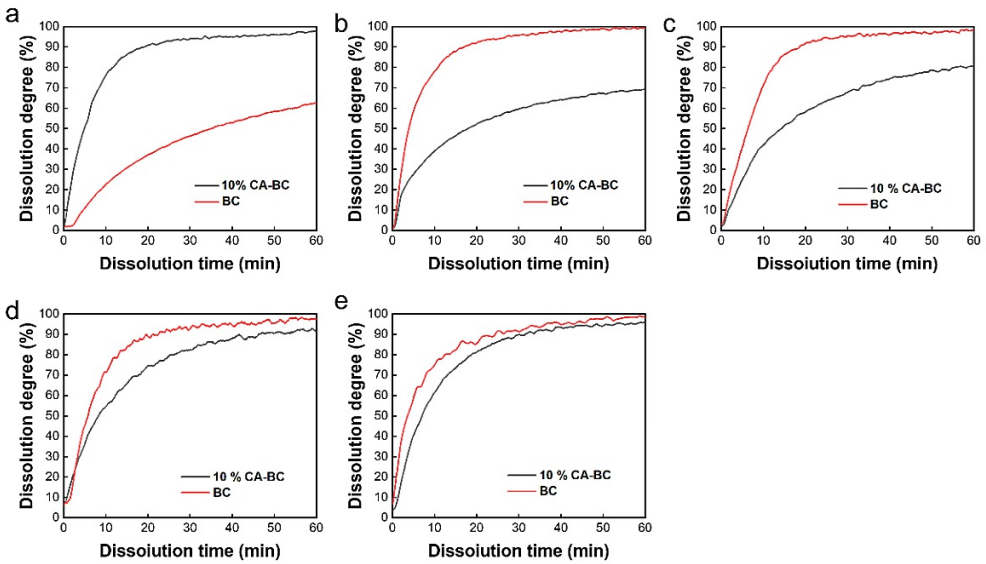


**Figure S5. The dissolution curves of BC aerogel material and 10% CA-BC aerogel material at different nicotine contents: nicotine content 2.0 % (a), nicotine content 1.6 % (b), nicotine content 1.0 % (c), nicotine content 0.4 % (d), and nicotine content 0.2 % (e)**.