

## Supporting Information

# Copolymer-Controlled Homogeneous Precipitation for the Synthesis of Porous Microfibers of Alumina

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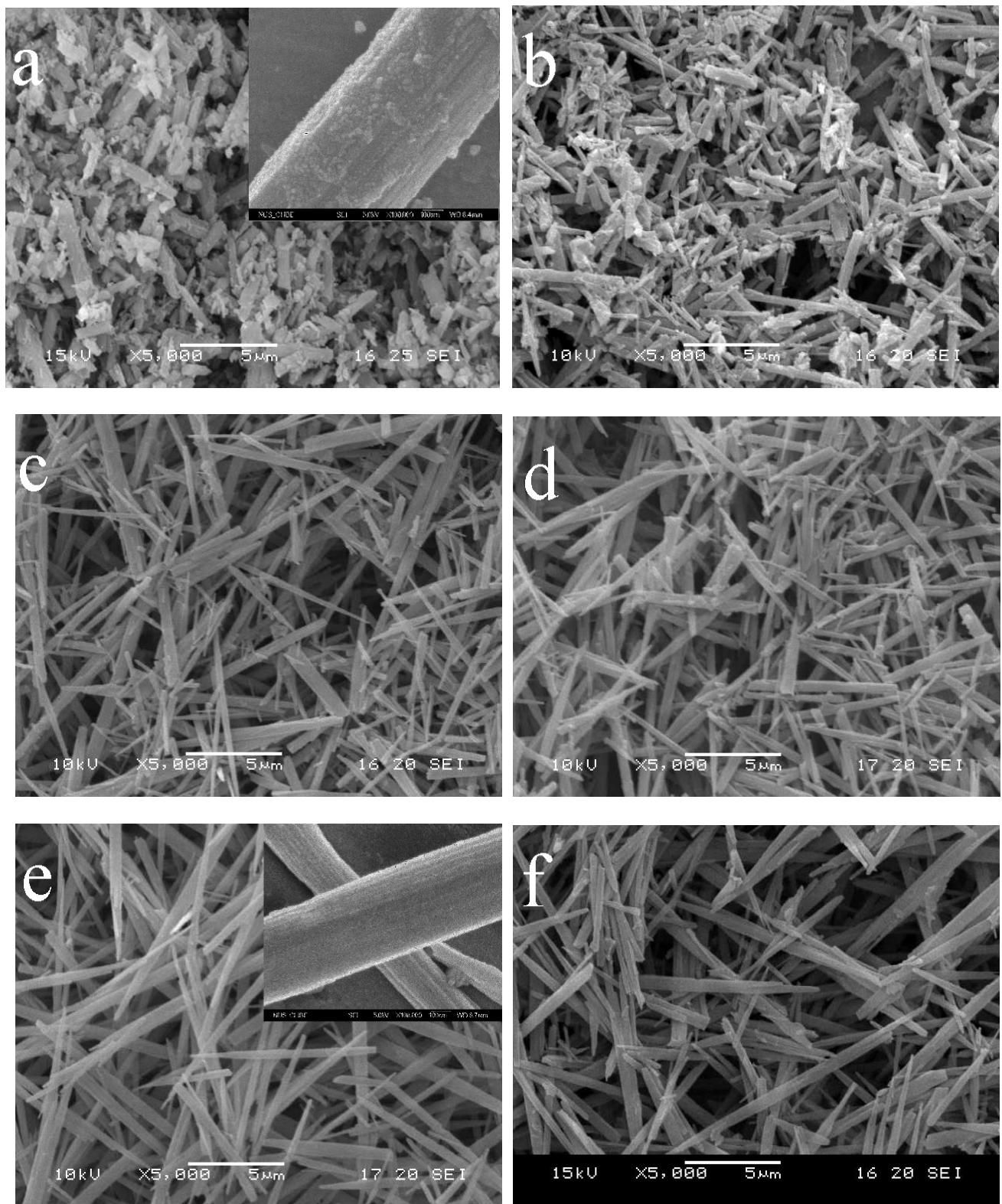


Figure S1. SEM images of P-0 (a), P-1 (b), P-2 (c), P-3 (d), P-4 (e), and P-5 (f) samples

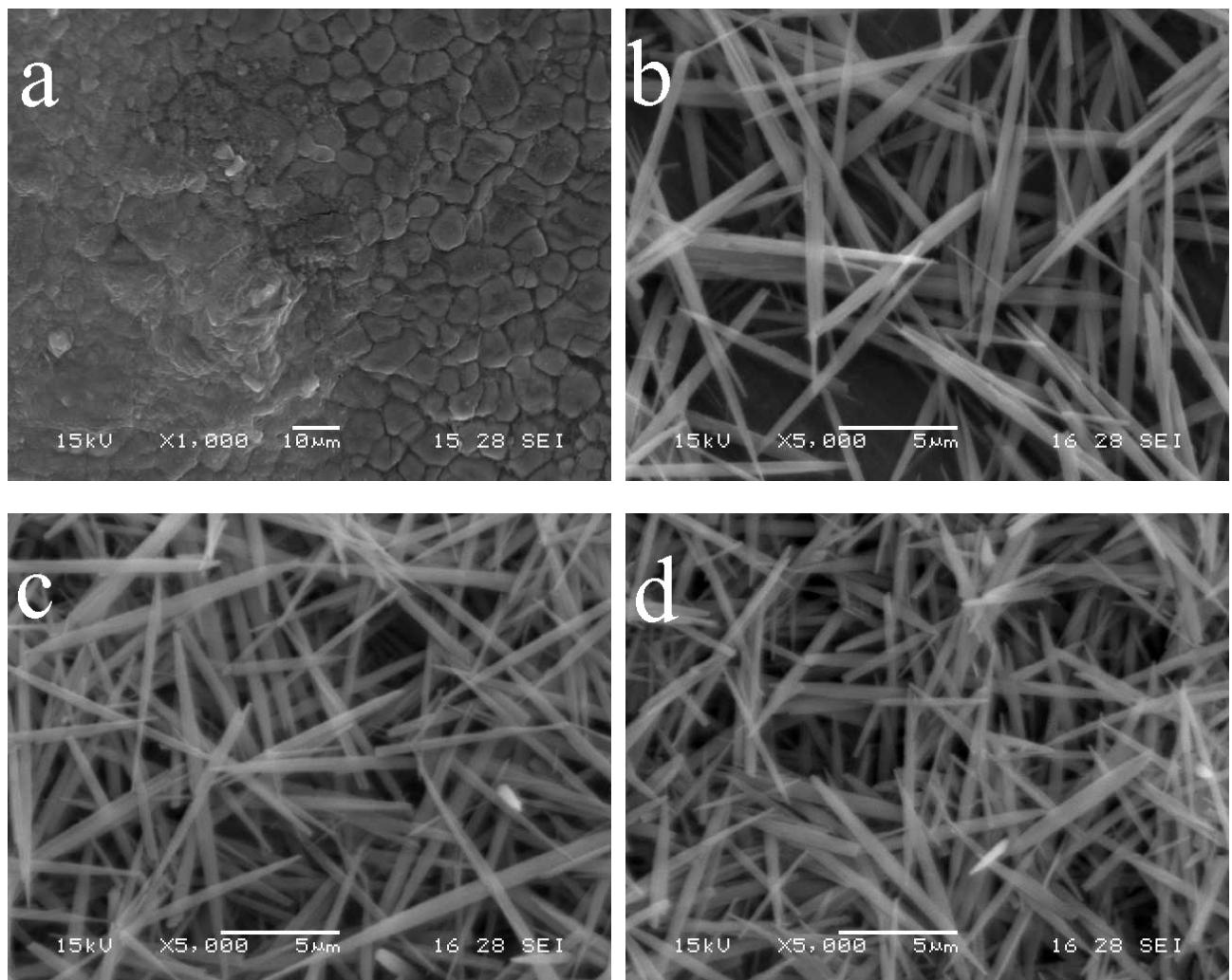


Figure S2. SEM images of U-1 (a), U-3 (b), U-4 (c), and U-5 (d) samples

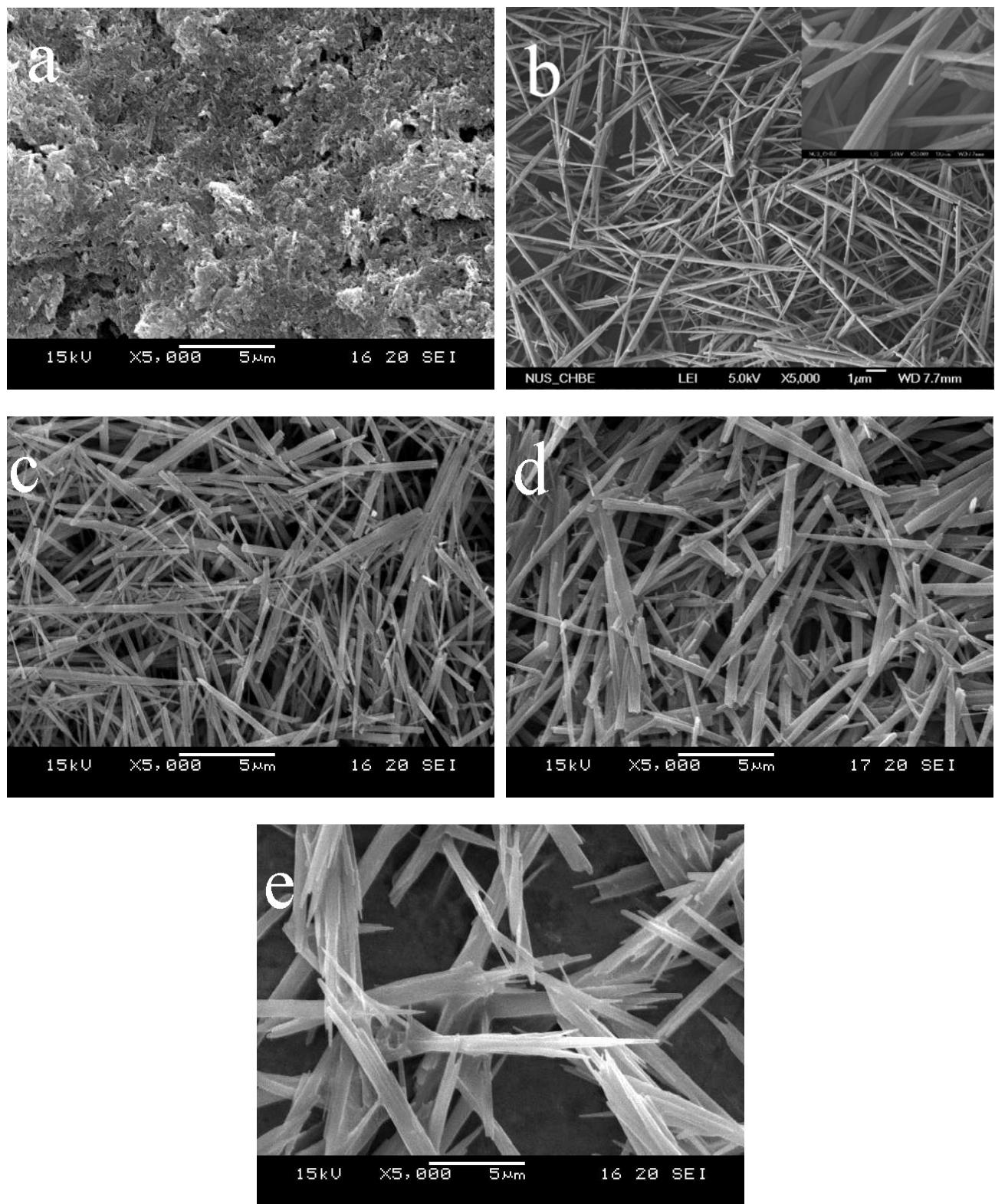


Figure S3. SEM images of A-1 (a), A-2 (b), A-3 (c), A-4 (d), and A-5 (e) samples

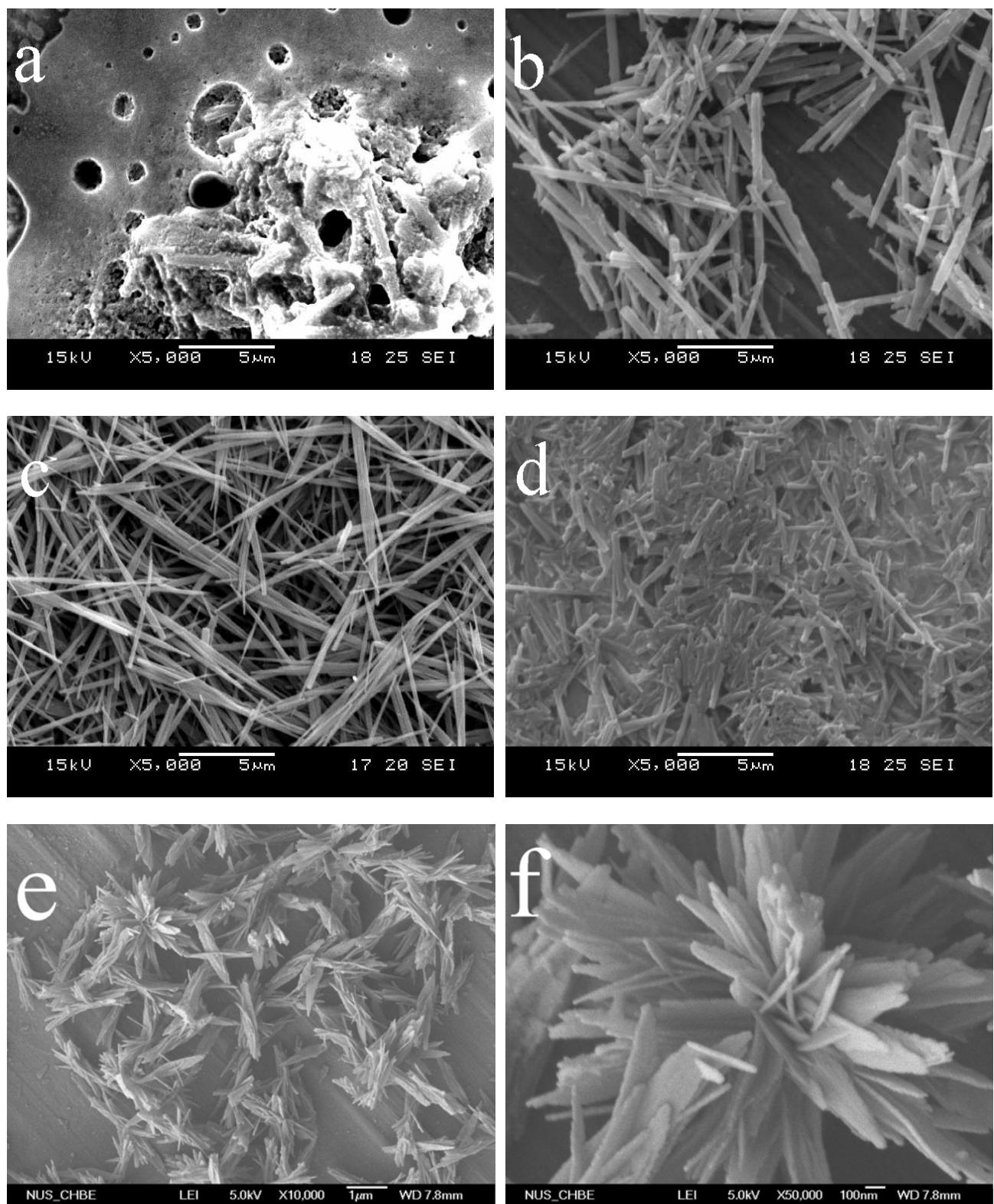


Figure S4. SEM images of H-1 (a), H-2 (b), H-3 (c), H-4 (d), and H-5 (e-f) samples

Table S1. weight loss data for samples prepared with different amount of P123

Samples	<i>Weight loss (RT-175 °C)</i>	<i>Weight loss (175 -245 °C)</i>
P-0	8.1%	43%
P-1	6.6%	46.2%
P-4	1.9%	58.1%

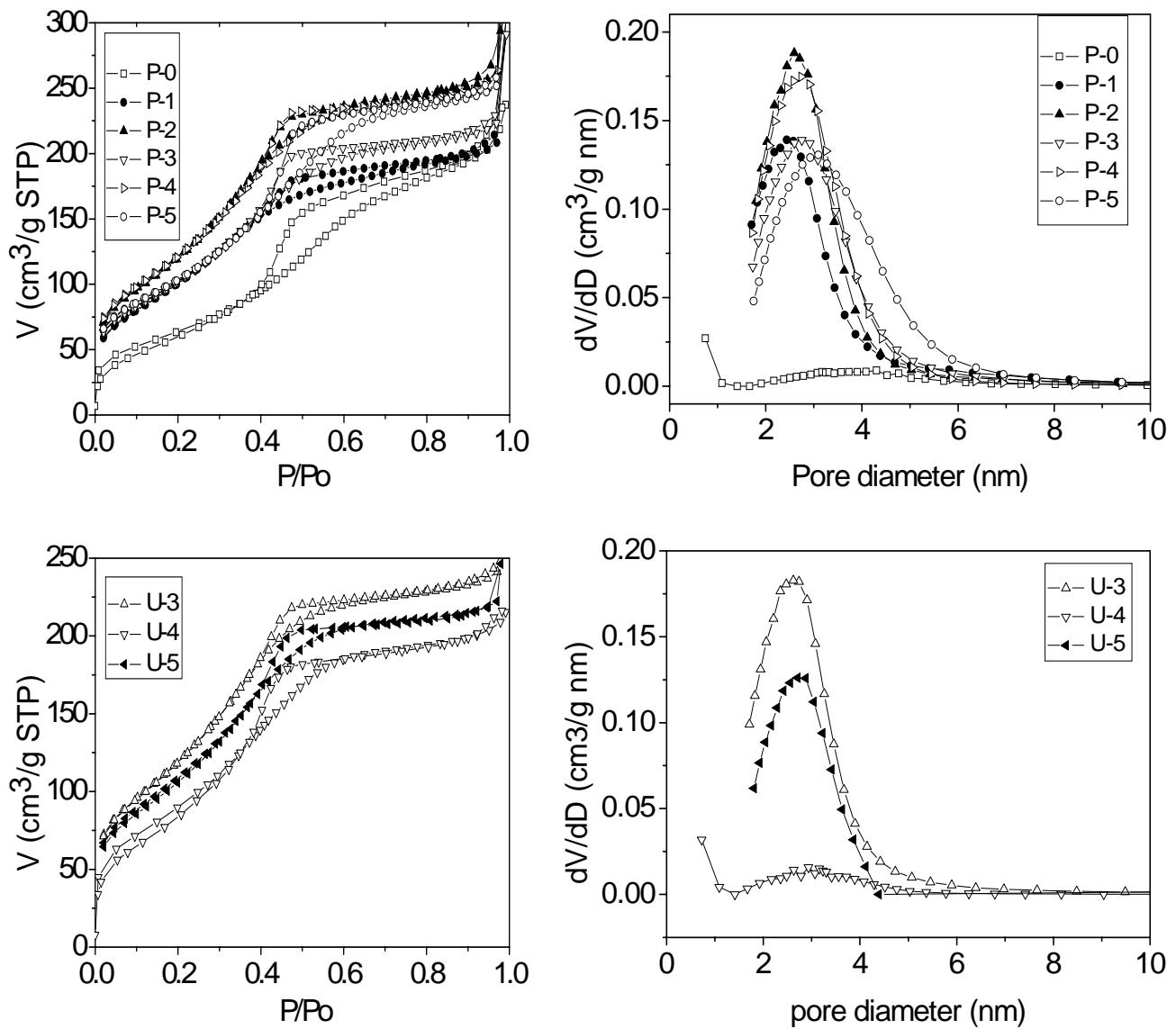


Figure S5.  $N_2$  adsorption isotherms and the pore size distributions of calcined P-0 to P-5 and U-1 to U-5 samples.

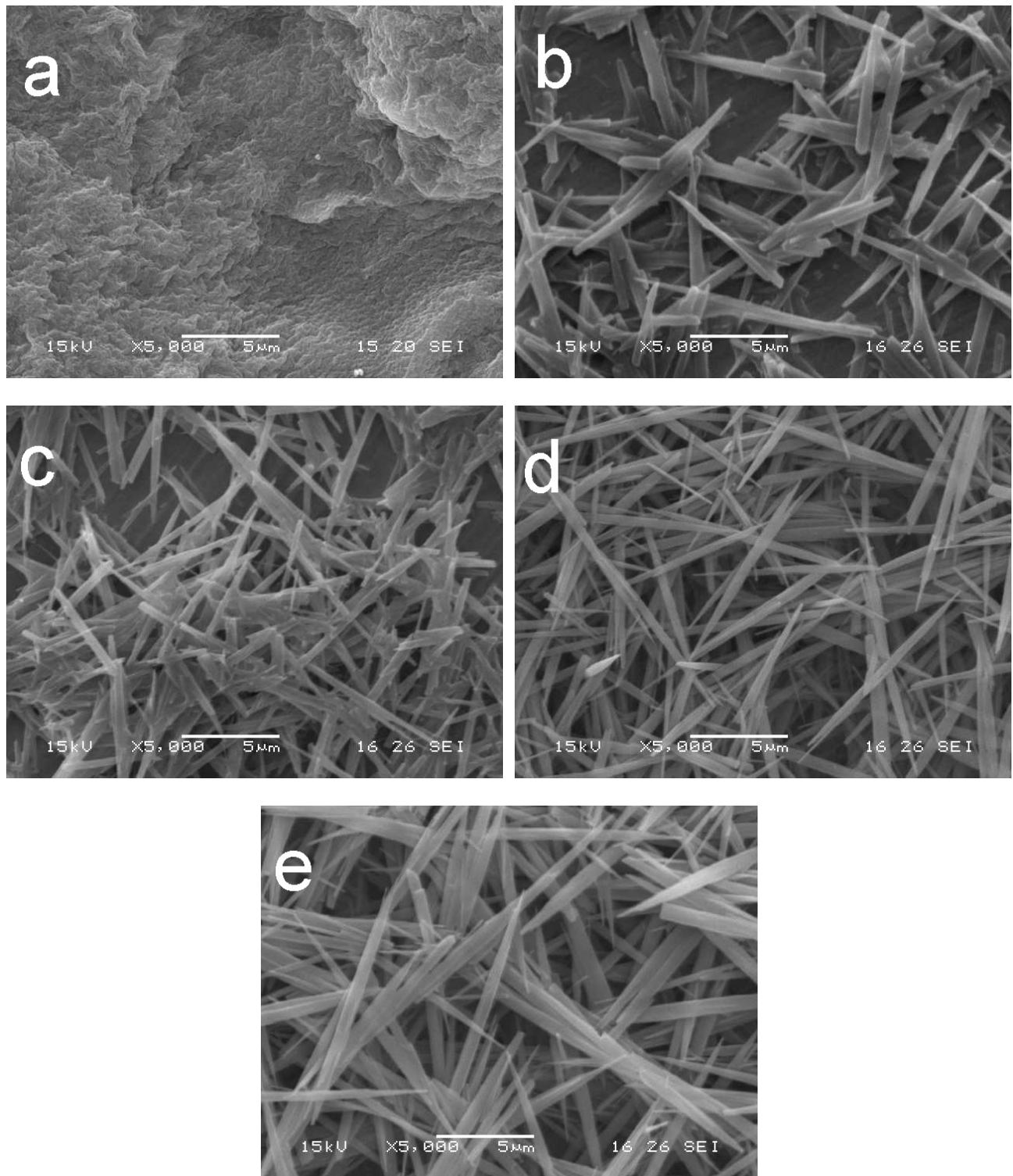


Figure S6 SEM images of AACH microfibers obtained at different time: (a) 8h, (b) 18h, (c) 20h, (d) 30h, and (e) 72h

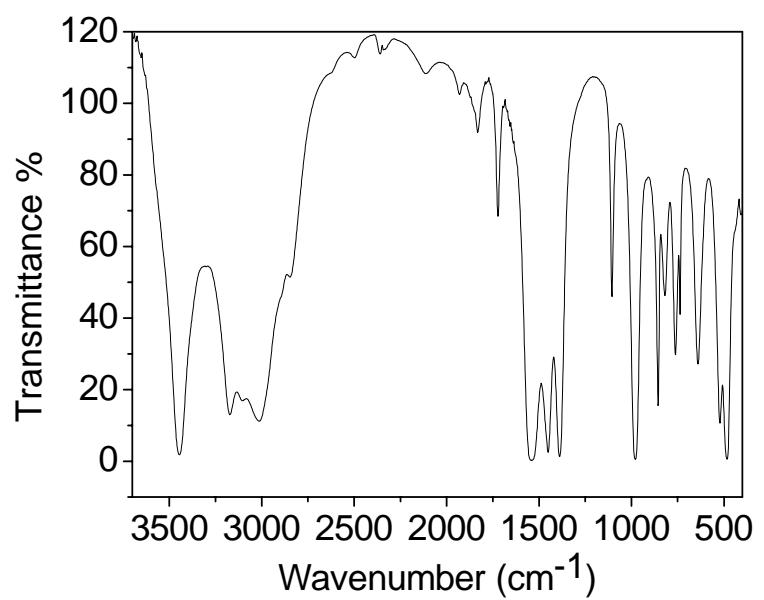


Figure S7. FT-IR spectrum of the as-synthesized sample dried at 100 °C