Supporting Information

Optical Waveguide Based on Crystalline Organic Microtubes and Microrods

Yong Sheng Zhao, Jinjie Xu, Aidong Peng, Hongbing Fu, Ying Ma, Lei Jiang, and Jiannian Yao*

Key Laboratory of Photochemistry, Institute of Chemistry, Chinese Academy of Sciences, Beijing 100080, China, Key Laboratory of Organic Solids, Institute of Chemistry, Chinese Academy of Sciences, Beijing 100080, China, and Graduate School, Chinese Academy of Sciences, Beijing, 100039, China.
Figure S1 XRD patterns of the BPEA powder (bottom) and the BPEA microtubes (top)
Figure S2 AFM images of the BPEA microtubes. Scale bars is 5 µm
Figure S3. The EI-MS of BPEA powder (top) and BPEA microtubes (bottom)
Figure S42. TEM images of the BPEA microstructures obtained with reflux time of (A) 0; (B) 10 min; (C) 20 min; (D) 30 min. Scale bars are 5 μm
Figure S5. Some TEM images of the BPEA microstructures obtained with reflux time of 20 min. The scale bars are 2 μm. In these samples, the BPEA molecules in the center of some solid nanorods have not been etched completely.
Figure S6. Schematic illustration of (A) the near-field scanning optical microscopy, and (B) the transmittance optical path for the waveguide measurements.
Figure S7. (A) Micro-area PL images of some crossed BPEA microtubes obtained by exciting a local area of one of the tubes as is marked with a green square; (B) The PL spectra measured from 6 different points as shown in (A).