

## Supplementary material

# Facile Fabrication of Durable Superhydrophobic Films from Carbon Nanotube/Main-Chain Type Polybenzoxazine Composites

Chih-Feng Wang<sup>1\*</sup>, Wen-Ning Wang<sup>2</sup>, Ching-Hsuan Lin<sup>3\*</sup>, Kuo-Jung  
Lee<sup>2</sup>, Chien-Chieh Hu<sup>1</sup>, and Juin-Yih Lai<sup>1, 4, 5</sup>

<sup>1</sup>Graduate Institute of Applied Science and Technology, National Taiwan University  
of Science and Technology, Taipei, 106, Taiwan

<sup>2</sup>Department of Materials Science and Engineering, I-Shou University, Kaohsiung,  
840, Taiwan.

<sup>3</sup>Department of Chemical Engineering, National Chung Hsing University,  
Taichung 402, Taiwan

<sup>4</sup>Department of Chemical Engineering, National Taiwan University of Science and  
Technology, Taipei 106, Taiwan

<sup>5</sup>R&D Centre for Membrane Technology, Chung Yuan University, Taoyuan 320,  
Taiwan

\*To whom all correspondence should be addressed

[cfwang@mail.ntust.edu.tw](mailto:cfwang@mail.ntust.edu.tw) Tel.: +886-2-27301210; Fax: +886-2-27303733

[linch@dragon.nchu.edu.tw](mailto:linch@dragon.nchu.edu.tw) Tel: +886-4-22850180; Fax: +886-4-22854734

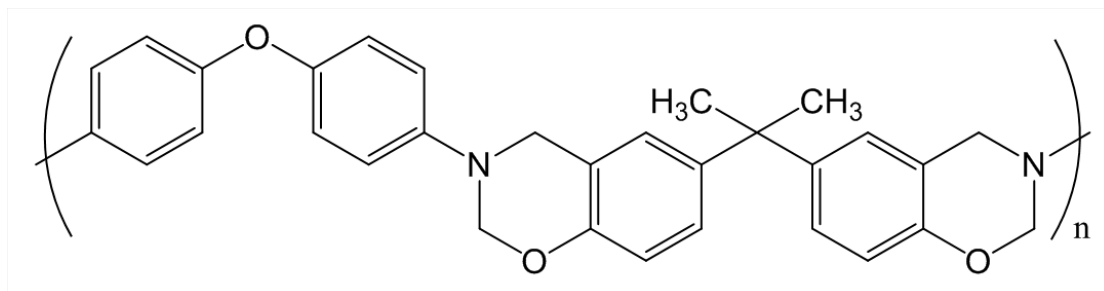


Figure S1. The chemical structure of the main-chain type polybenzoxazine precursor P(B-oda).

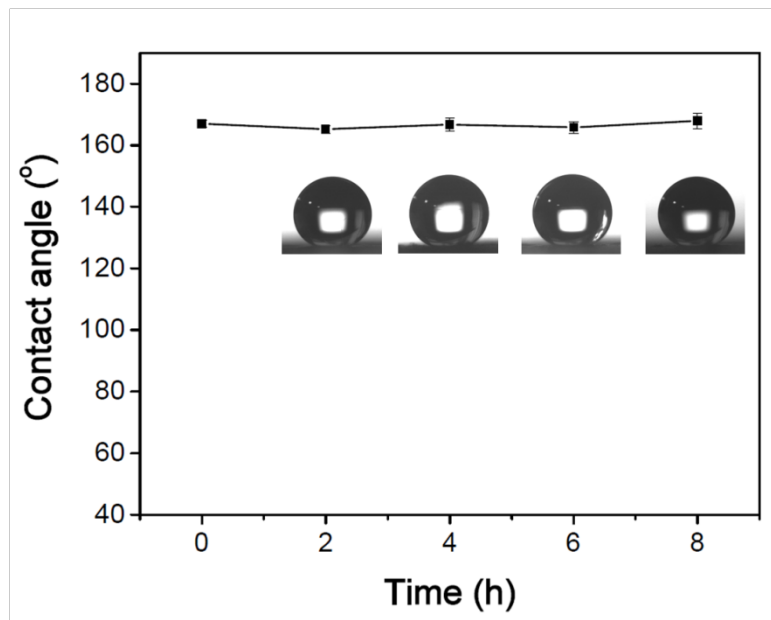


Figure S2. Thermal stability of the superhydrophobic CNT/polybenzoxazine film treated at various time at 210 °C.