

Supplementary Information

Stress-Induced Tip Engineering of Micro-Hyperbolic Structures for Enhanced Liquid Repellency

Chorong Kim^{† a}, Yoonjin Lee^{† a}, Jaekyoung Kim^{† a}, Ji Hoon Kim^{* b} and Hyunsik Yoon^{* a, b}

^aDepartment of Chemical and Biomolecular Engineering, Seoul National University of Science and Technology, Seoul, 01811, Republic of Korea

^bEnergy and Environment Research Institute, Seoul National University of Science and Technology, Seoul, 01811, Republic of Korea

[†]Equal contributions

*Correspondence: jubro@seoultech.ac.kr

**Correspondence: hsyoon@seoultech.ac.kr

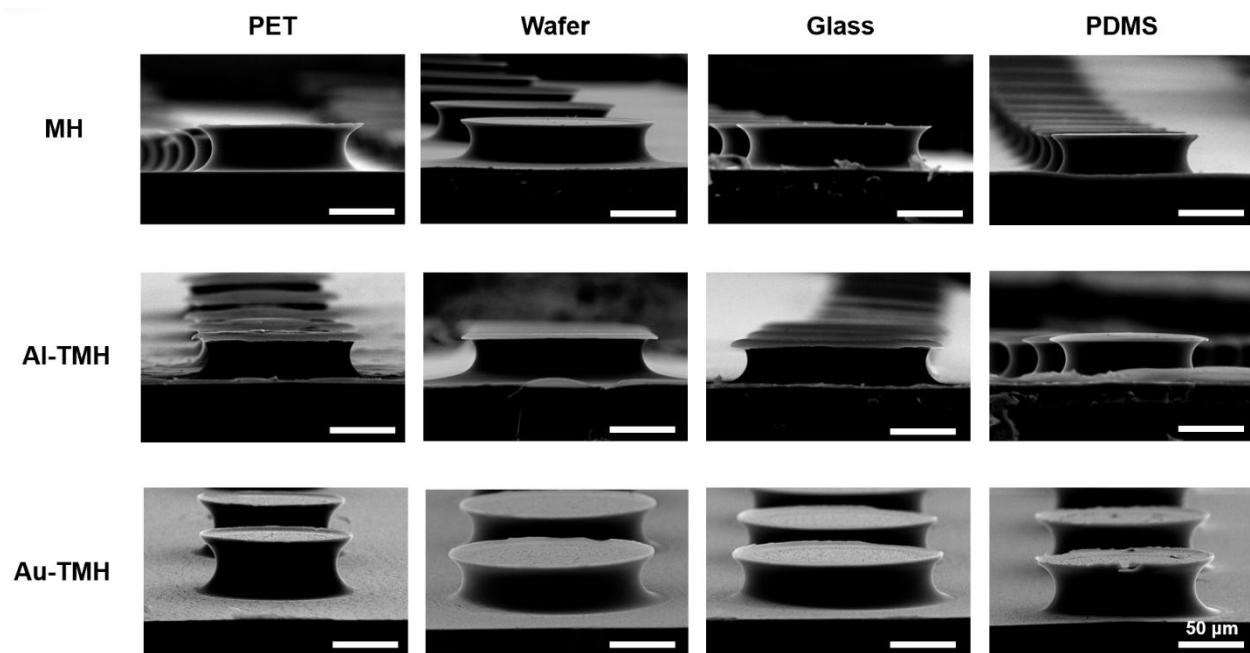


Figure S1. Cross-sectional SEM images of MH, Al-TMH, and Au-TMH structures fabricated on PET, wafer, glass, and PDMS substrates.

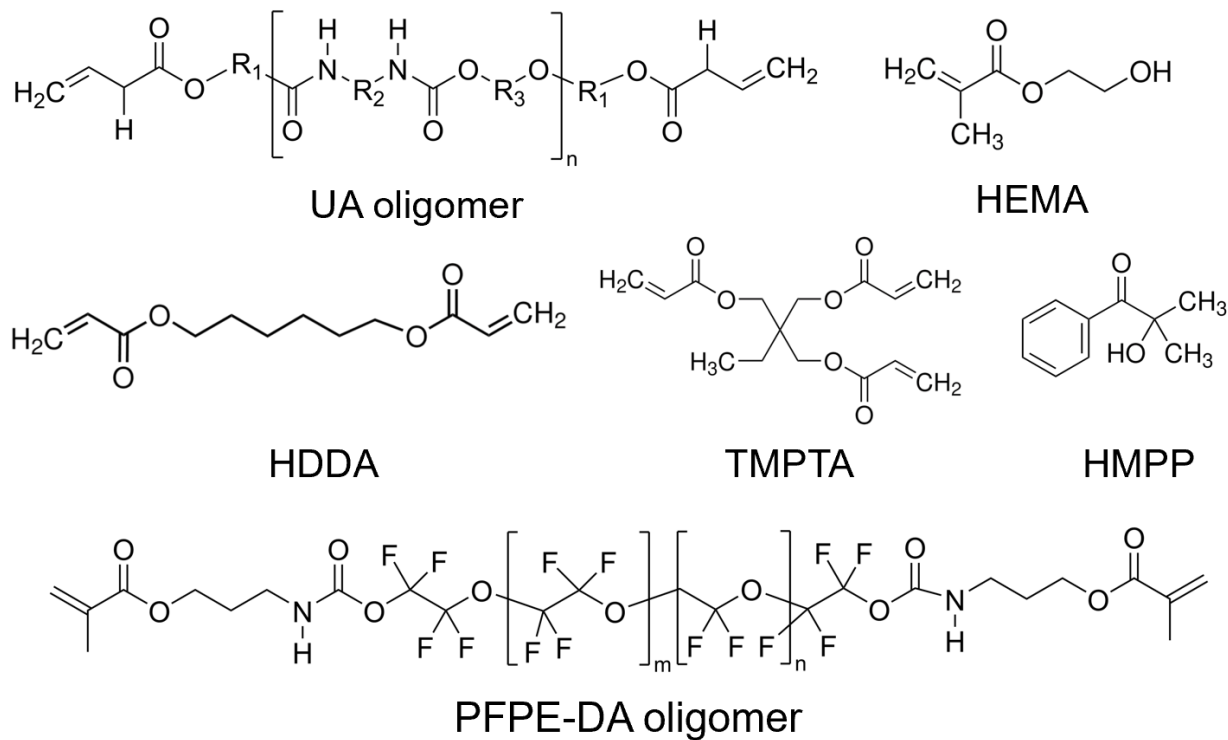


Figure S2. Chemical structures of components in the precursors of PUA and PFPE-DA. The PUA precursor consists of a UA oligomer, HEMA, HDDA, TMPTA, and HMPP. The PFPE precursor contains a PFPE-DA oligomer, with HMPP added as a photoinitiator.