Electronic Supplementary Information (ESI)

Extreme Tuning of Wetting on 1D Nanostructures: *From a Superhydrophilic to a Perfect Hydrophobic Surface*

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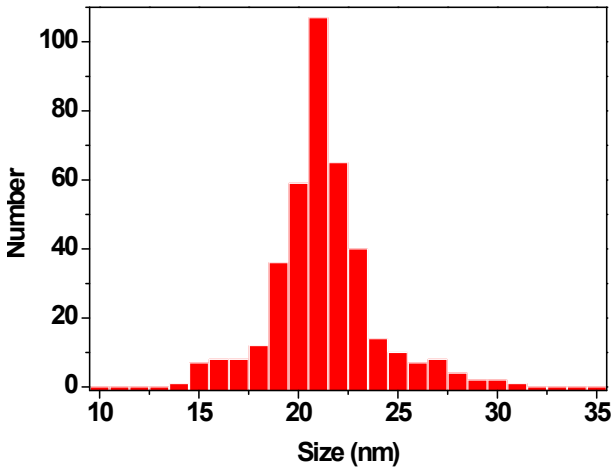

Fig. S1 Size (thickness) distribution of deposited 1D Al/Al_2O_3 nanostructures

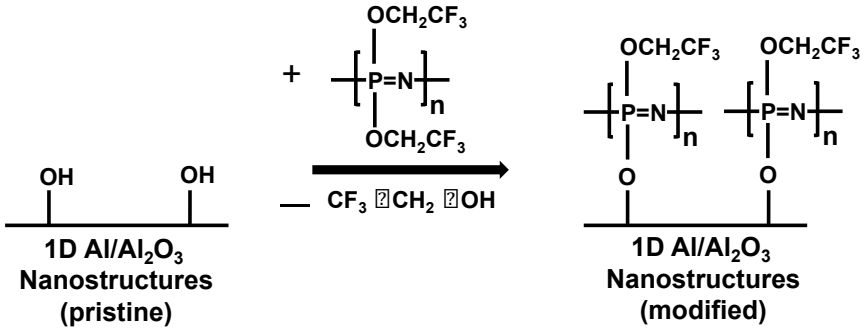

Fig. S2 Chemical reaction scheme demonstrating PTFEP modification of 1D Al/Al_2O_3 nanostructures

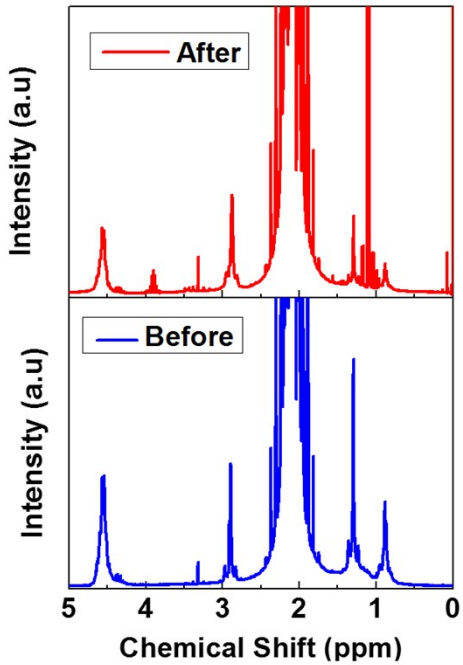

Fig. S3 ^{1}H-NMR spectra before and after PTFEP modification of 1D Al/Al_2O_3 nanostructures.

***Supplementary Videos (Video1, Video2, Video3, Video 4, Video5, Video 6 and Vidoe7) are provided separately*.**