Supporting Information

Solvent-controlled Growth of Silicone Nanofilaments

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Fig. S1. SEM images of TCMS coated glass slides in (a) acetone, (b) methyl ethyl ketone, (c) acetyldimethylamine, (d) dioxane, (e) DMSO and (f) ethyl ether.



Fig. S2. SEM images of TCMS coated glass slides in the mixture of toluene (80 mL) and 1 mL of methyl ethyl ketone.



Fig. S3. Other SEM images of TCMS coated glass slides in the mixture of toluene (80 mL) and various N/O-containing solvents besides those shown in Fig. 3. (a) 2 mL of acetonitrile, (b) 5 mL of acetonitrile, (c) 2 mL of methyl ethyl ketone, (d) 5 mL of methyl ethyl ketone, (e) 0.5 mL of acetone and (f) 2 mL of acetone.



Fig. S4. Other SEM images of TCMS coated glass slides in toluene with different Tween 20 concentration besides those shown in Fig. 6. (a) 0.208 mmol/L, (b) 0.0699 mmol/L, (c) 0.0280 mmol/L, (d) 0.014 mmol/L, (e) 0.007 mmol/L, (f) 0.003 mmol/L.



Fig. S5. Other SEM images of TCMS coated glass slides in toluene with different Span 80 concentration besides those shown in Fig. 7. (a) 1.94 mmol/L, (b) 0.79 mmol/L, (c) 0.40 mmol/L, (d) 0.08 mmol/L.



Fig. S6. Molecular structure of Tween 20 (left) and Span 80 (right).