

Electronic Supplementary Information

Deviations with defects:

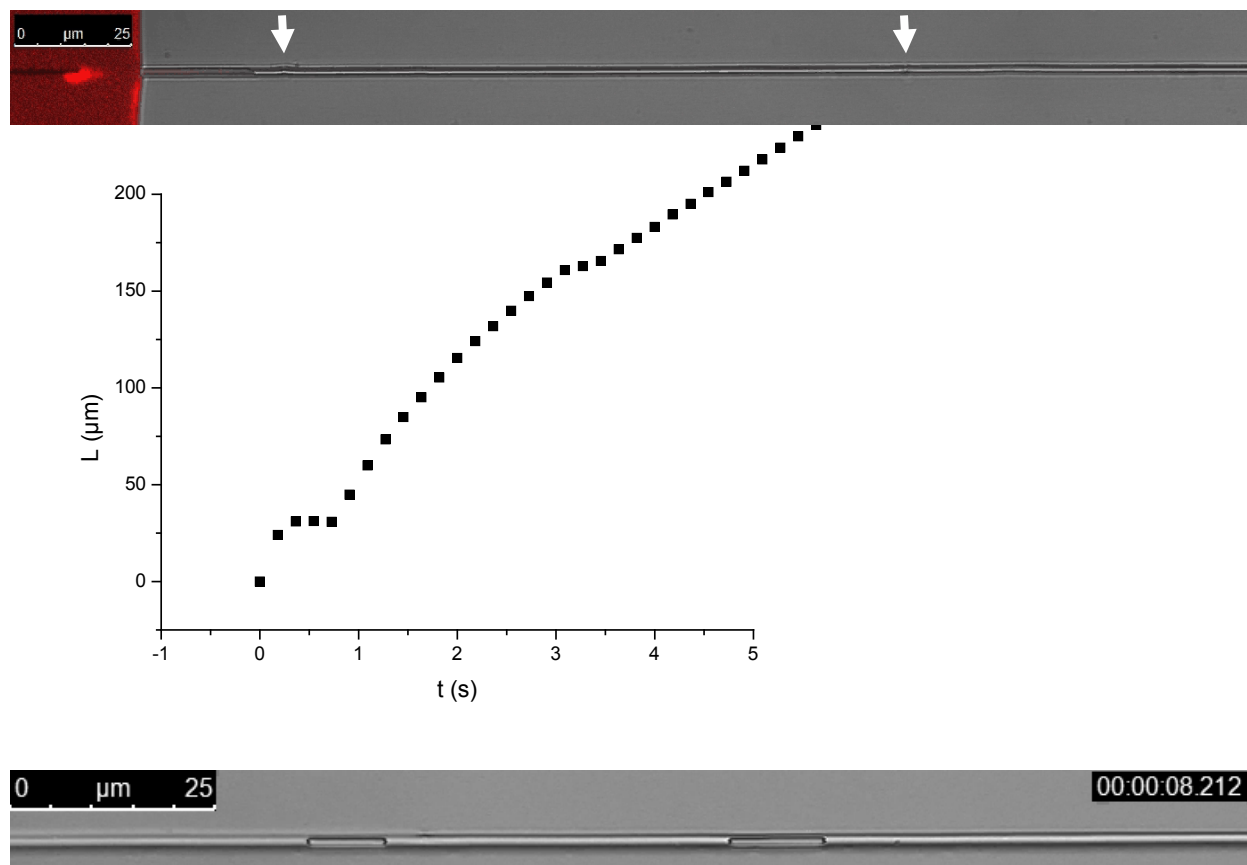


Fig. S1. A channel with two defects (top). The defects are marked by the white arrows. Middle: If the solvents hits a defect the filling velocity is delayed, reflected in a step in the time dependent position of the meniscus (L). Bottom: After the solvent passed the defect air is sucked into the channel.

Supplementary Movie (1.29 MB)

Capillary filling of fluorescently labeled glycerol (80 v%) into a spider silk-templated silica channel (radius: 1 μm). The movie shows the first 1.3 s of filling.