

Description of Additional Supplementary Files

Supplementary Movie 1. Steady state condensation of water vapor on an F-DLC coated Cu tube. The vapor pressure inside the environmental chamber was $\approx 4 \pm 0.15$ kPa. The video was captured with Canon EOS 7D camera at 30 frames per second (fps) and are played back at 30 fps. The cooling water flow rate was $\approx 8 \pm 0.2$ L/min inside the horizontal tube.