

Towards Universal Buckling Dynamics in Nanocolloidal Sessile Droplets: Effect of Hydrophilic to Superhydrophobic Substrates and Evaporation Modes

Electronic Supplementary Information

Supplementary movies:

Movie V1 shows the evaporation of 20 vol.% TM suspension on a GDL substrate. It shows a sequential process of dome formation, buckling and subsequent cavity growth inside the droplet (as annotated in the video). In this case a hollow precipitate is obtained.

Movie V2 shows the evaporation of 3 vol.% TM suspension on a GDL substrate. In this video, no dome formation and hence no buckling is observed. Therefore, the residual final structure obtained is a flat disc.

Movie V3 shows the evaporation of 20 vol.% TM suspension on a hydrophilic substrate. There is no buckling even at very high concentration.