

Fig. S1 The photographs of high-speed camera and light source

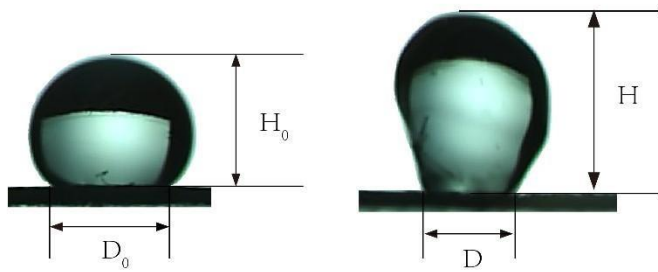


Fig. S2 The contact line and contact height of droplet before and after vertical vibration

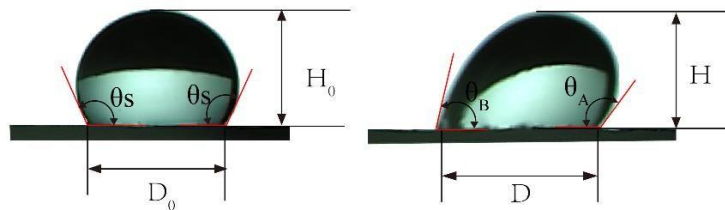


Fig. S3 The contact line and contact height of droplet before and after horizontal vibration