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The capillary bridge technique to study superhydrophobic surfaces

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Céline Cohen, Yann Bouret, Xavier Noblin. The capillary bridge technique to study superhydrophobic surfaces. Complex Days, Académie Systèmes Complexes, Mar 2019, Nice, France. hal-03862789

HAL Id: hal-03862789

<https://hal.science/hal-03862789v1>

Submitted on 21 Nov 2022

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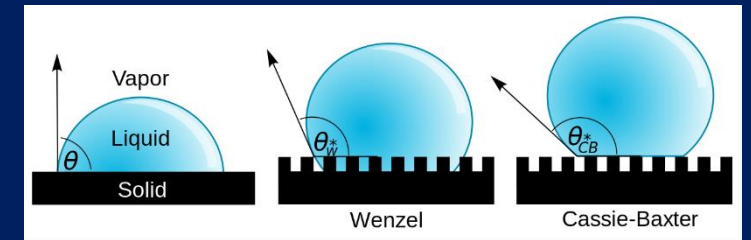
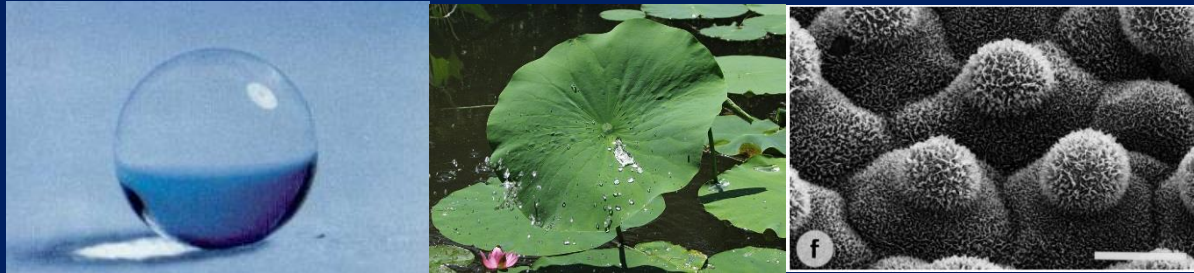


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The capillary bridge technique to study superhydrophobic surfaces.

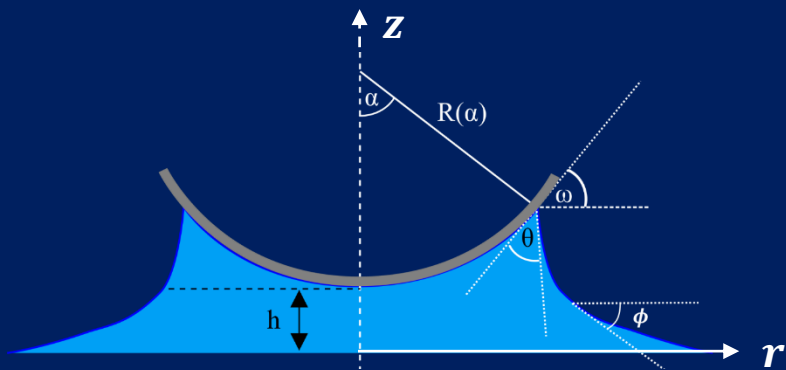
Céline Cohen, Yann Bouret, Xavier Noblin.

Institut de Physique de Nice.

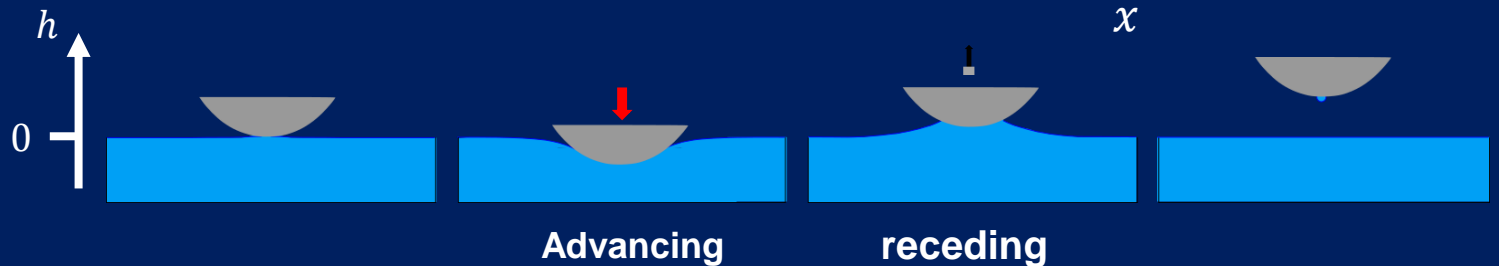
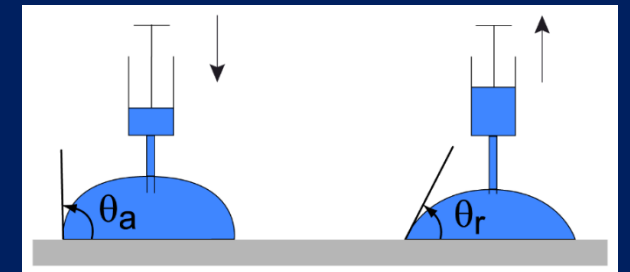
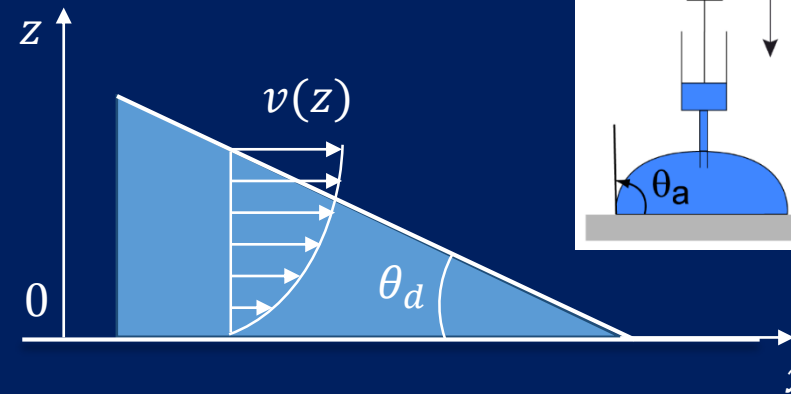


Superhydrophobic surfaces: multiscale roughness. Metastable state.

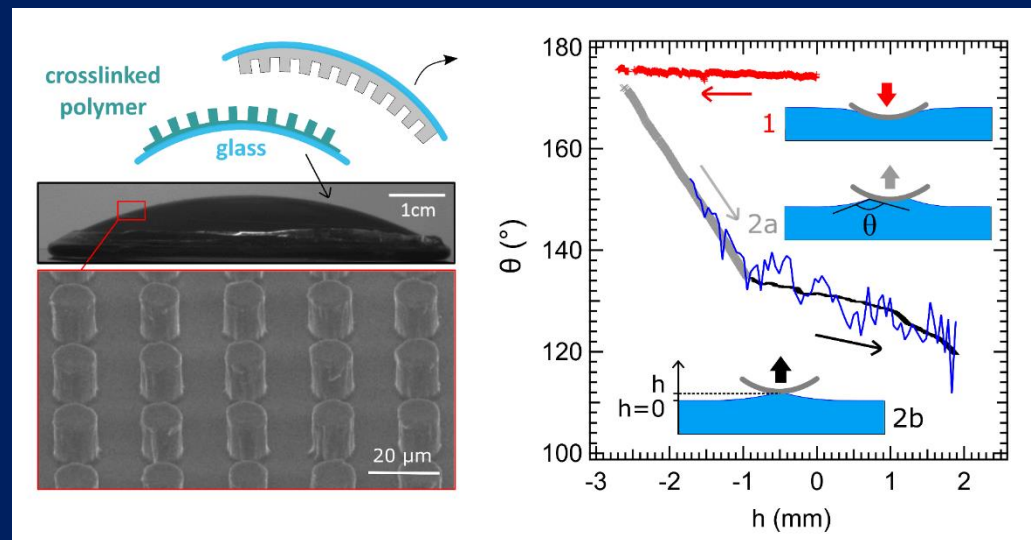
Contact line dynamics problem.



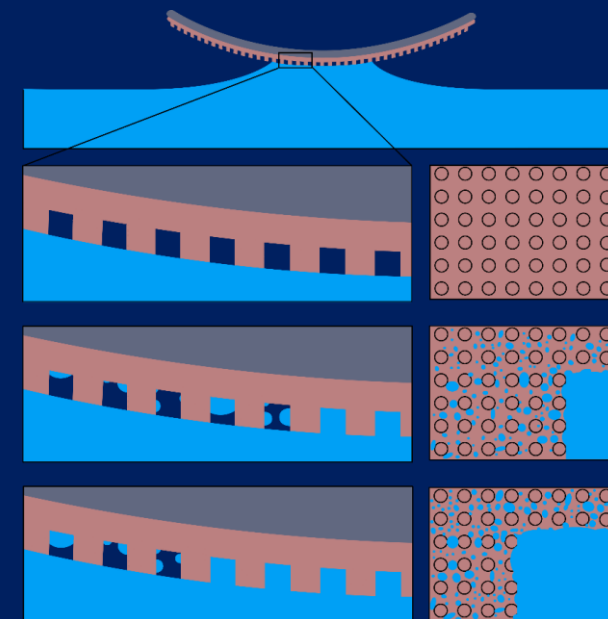
Capillary bridge setup.



Fabrication of curved superhydrophobic surfaces



Large contact area :
condensation effect
At room temperature
and humidity.



- Contact angle hysteresis
- Dynamical contact angle

