

Supplementary information for:

Wetting Behaviors of a Nano-droplet on a Rough Solid Substrate under Perpendicular Electric Field

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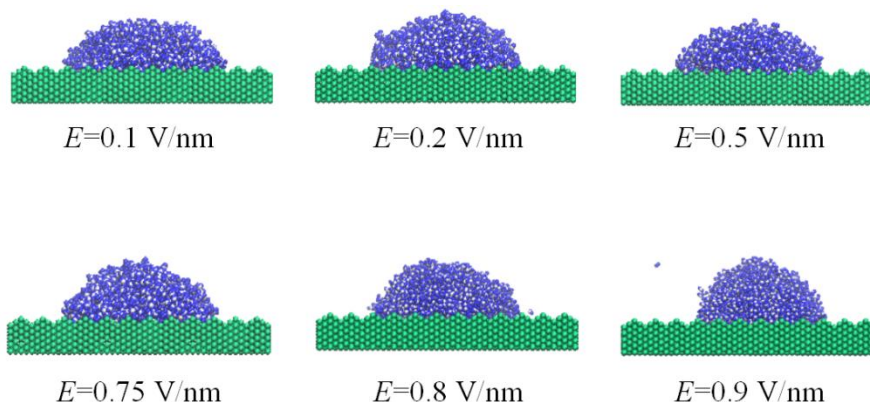


Figure S1. Equilibrium snapshot of water nano-droplet on silicon substrate (ramp-shaped surface) under electric field ($E_y = 0.1, 0.2, 0.5, 0.75, 0.8, 0.9$ V/nm)

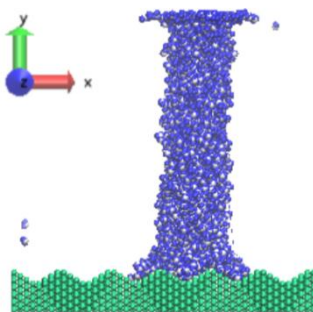


Figure S2. Equilibrium Snapshot of water nano-droplet on silicon substrate (sine-shaped surface) under electric field $E_y = 1.1$ V/nm