

	Static	Dynamic CA (°)		Surface Energy (mJ/m <sup>2</sup> )			Water Collection
	CA (°)			Total	Polar	Dispersive	Rate (ml/min)
		Advancing CA	Receding CA				
Superhydrophobic Surfaces	162.3±2.3	163.5±1.4	161.8±1.1	0.93±0.02	0.92±0.01	0.01±0.01	9.1±1.1
OCP-1	6.1±1.7	-	-	118.18±1.55	1.01±0.12	117.17±1.48	32.3±0.5
OCP-2	8.3±2.5	-	-	121.66±2.35	1.51±0.83	120.15±2.01	33.1±1.8
OCP-3	9.4±0.9	-	-	115.68±3.58	1.32±0.67	114.36±3.24	32.8±2.6
OCP-4	10.9±1.4	-	-	110.04±2.47	0.95±0.08	109.19±2.33	30.7±3.2

Table S1. The results of the static water contact angle, the surface energy and the water collection rate of the superhydrophobic surfaces and each of the OCP surfaces and the dynamic contact angle result of the superhydrophobic surfaces.