

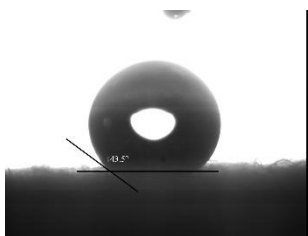
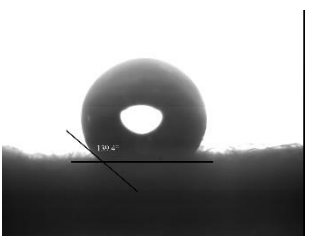

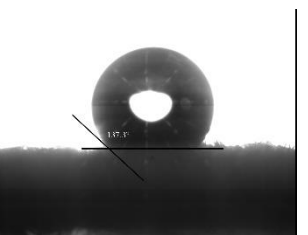
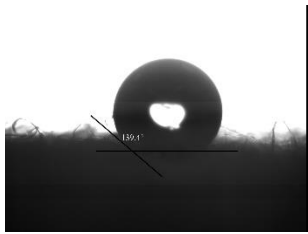
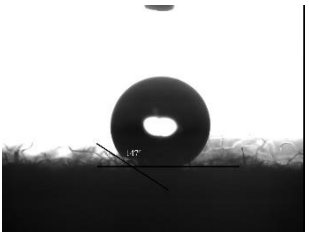
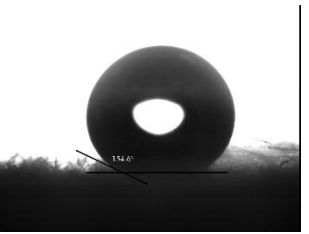
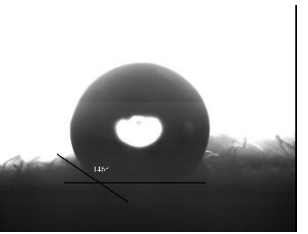
	20%	40%	60%	80%
N ₂ plasma				
O ₂ plasma				

Fig. S1 The CA photography of N₂ and O₂ plasma-treated cotton fabric: (a)20%; (b) 40%; (c) 60%; (d) 80%;

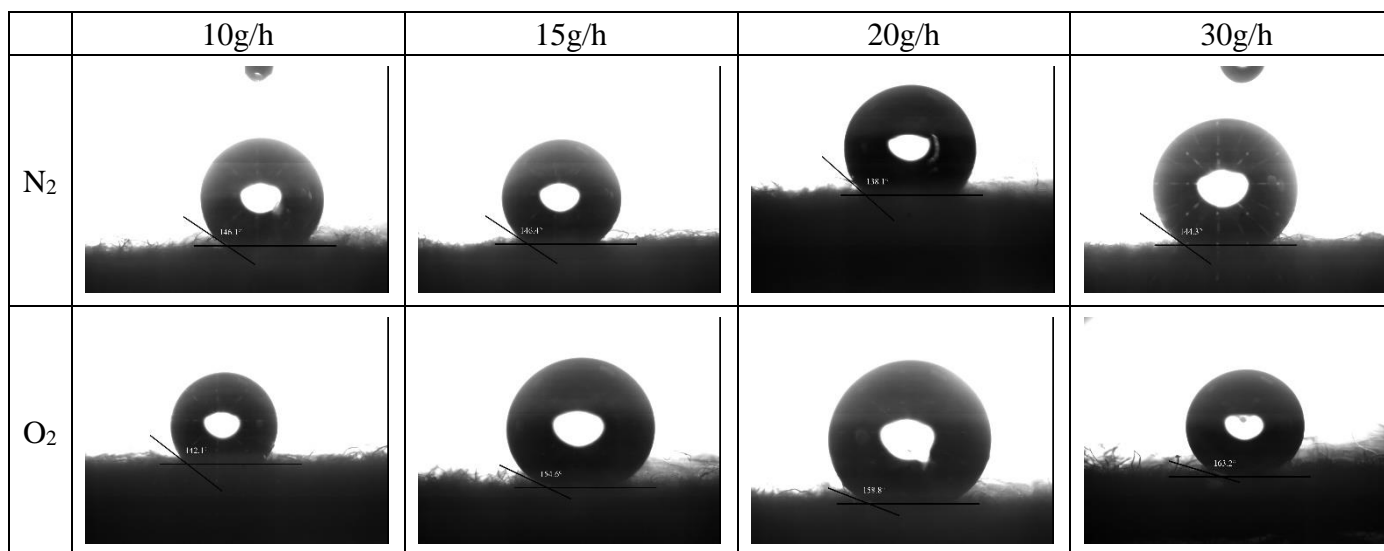
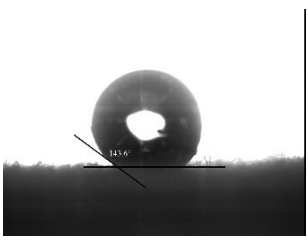
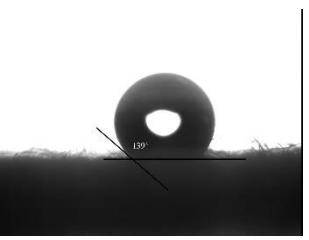
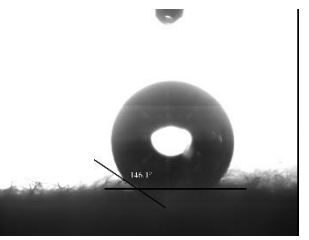
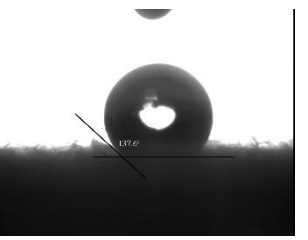
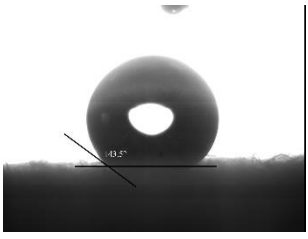
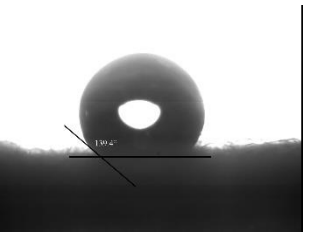
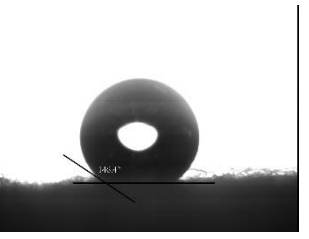
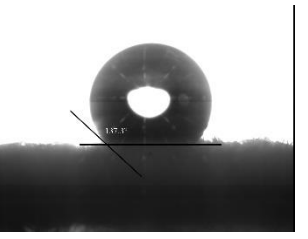
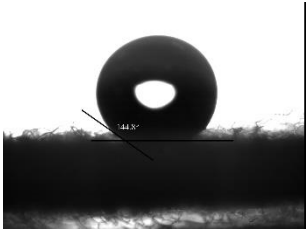
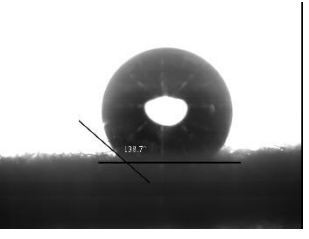
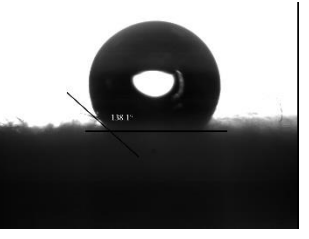
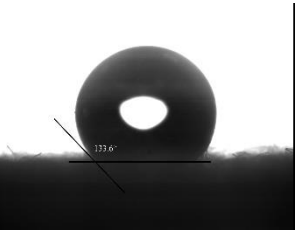
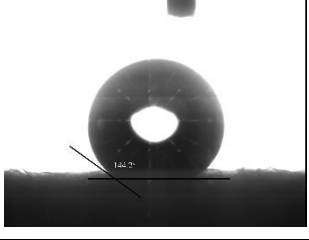
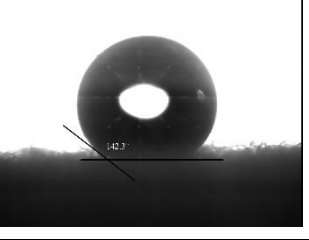
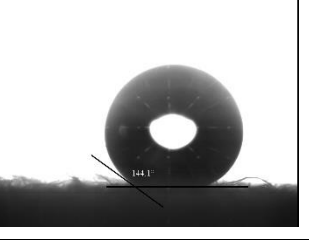
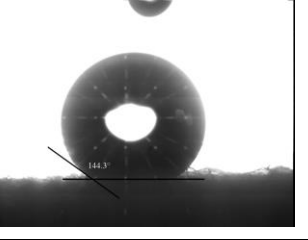
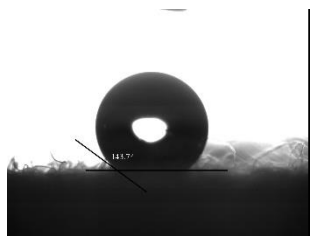
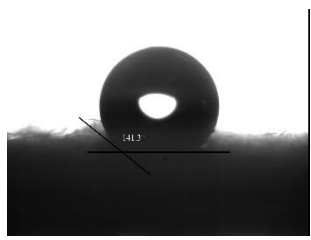
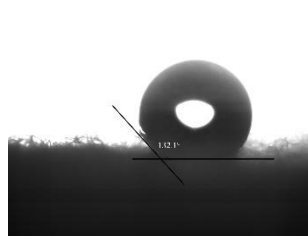
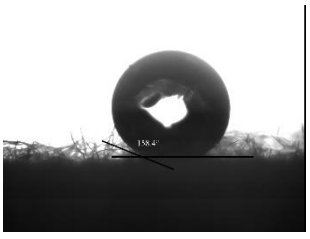
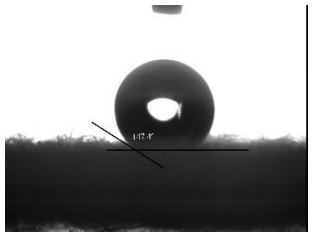
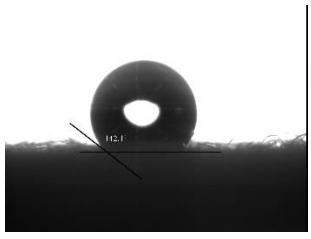

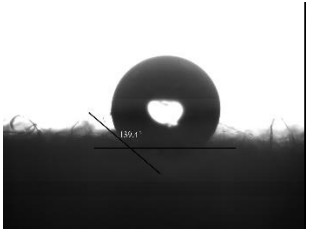
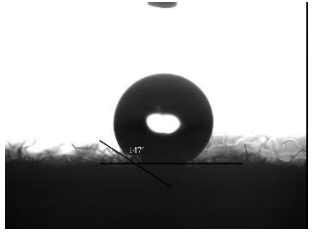

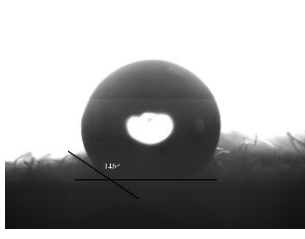


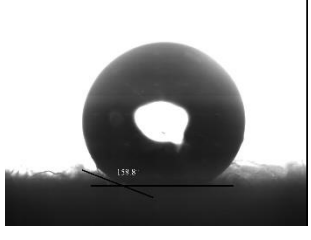
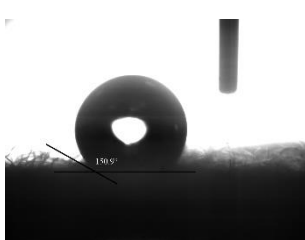


Fig. S2 CA values photograph of cotton fabric treated by different precursor value: N₂ plasma and O₂ plasma (a) 10g/h, (b) 15g/h, (c) 20g/h, (d) 30g/h

	20%	40%	60%	80%
10g/h				
15g/h				
20g/h				
30g/h				

a

	20%	40%	60%	80%
5g/h				
10g/h				
15g/h				
20g/h				

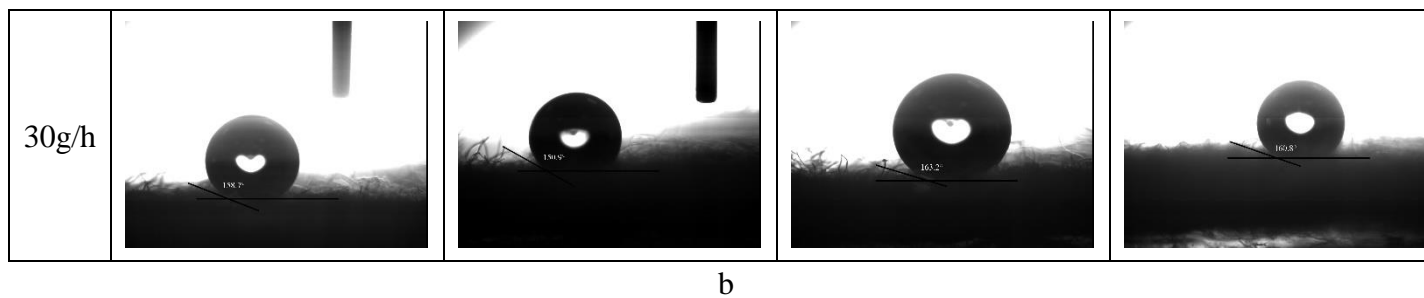


Fig. S3 The CA photograph of N₂ plasma-treated cotton (a) and O₂ plasma-treated cotton (b)

	500	800	1000	1500	2000
Treated samples					
Treated samples after washing					

Fig. S4 The CA values photograph N₂ plasma-treated plain cotton fabric