Surface morphology obtained by different cleaning treatments

(a) 4 cycles
sputterig+annealing
830°C 20 min

(b) 8 cycles
sputterig+annealing
830°C 20 min

(c) Ex-situ HCl:H₂O 36:100
bath and subsequent
H₂O₂:H₂O 7:100
In situ annealing 760°C