

The Supporting Figures Caption

Fig. S1 The TEM images of ZnO nanowalls: (a) TEM and (b) HRTEM.

Fig. S2 The XRD patterns of the ZnO nanowalls morphology at the different *steps*: (a) *Step 1*, (b) *Step 2*, (c) *Step 3* and (d) *Step 4*.

Fig. S3 FT-IR transmittance spectra of the products after *step1* and *step 2*: (a) *step1* and (b) *step1*.

Fig. S4 The XRD patterns of the ZnO nanowalls at the different dipping times.

Fig. S5 The XRD patterns of the ZnO nanowalls at the different growth time.

Fig. S6 The solution after *step 3*.

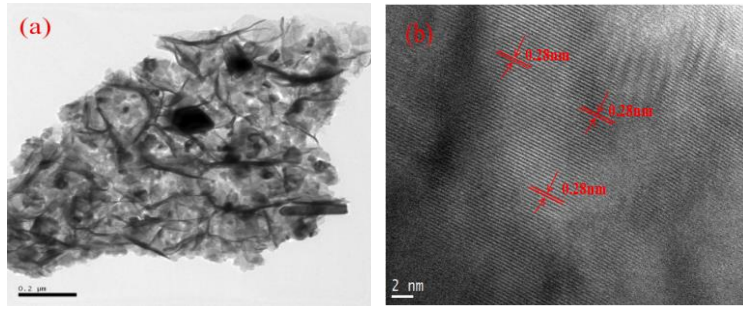


Fig. S1

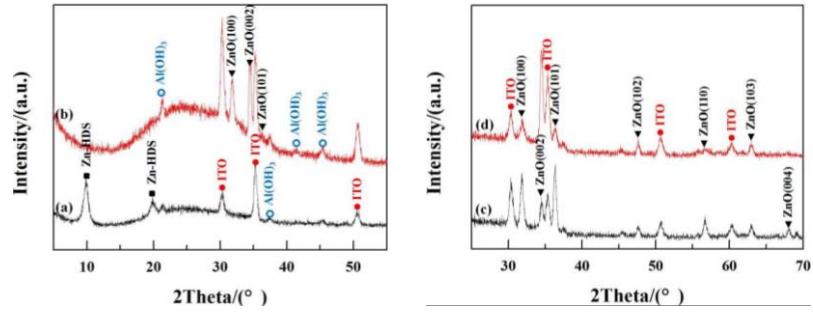


Fig. S2

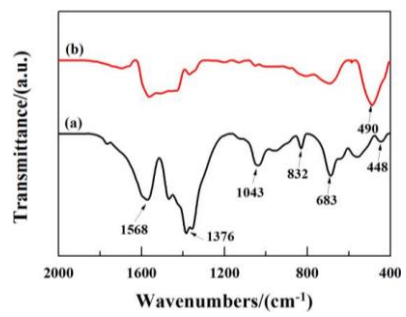


Fig. S3

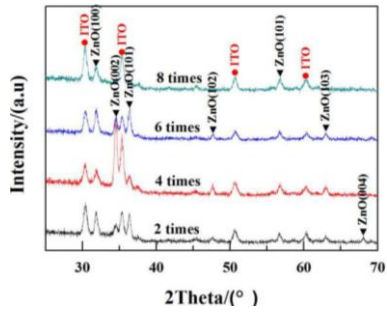


Fig. S4

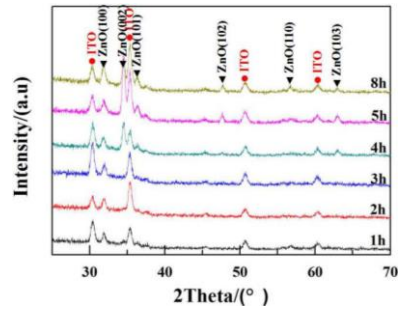


Fig. S5

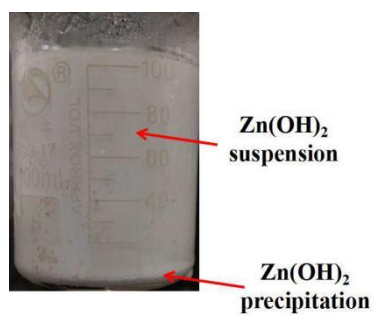


Fig. S6