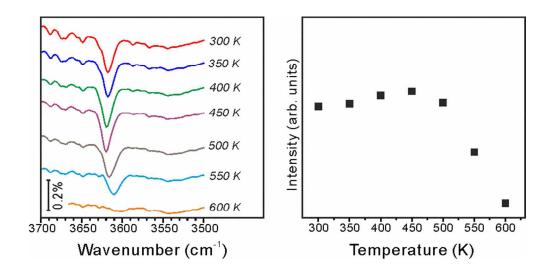
## **Supporting Information**

to the paper by Bo-Hong Liu et al.

## Stabilization of two-dimensional zinc oxide on metals:

## Reconstruction vs hydroxylation



**Figure S1.** (Left panel) IRA- spectra showing the  $\nu(OH)$  region on the pure bilayer ZnO film (top spectrum) and after repeated thermal flashes to the indicated temperatures. The spectra are offset for clarity. (Right panel) Intensity of the IRA-peak as a function of annealing temperature.