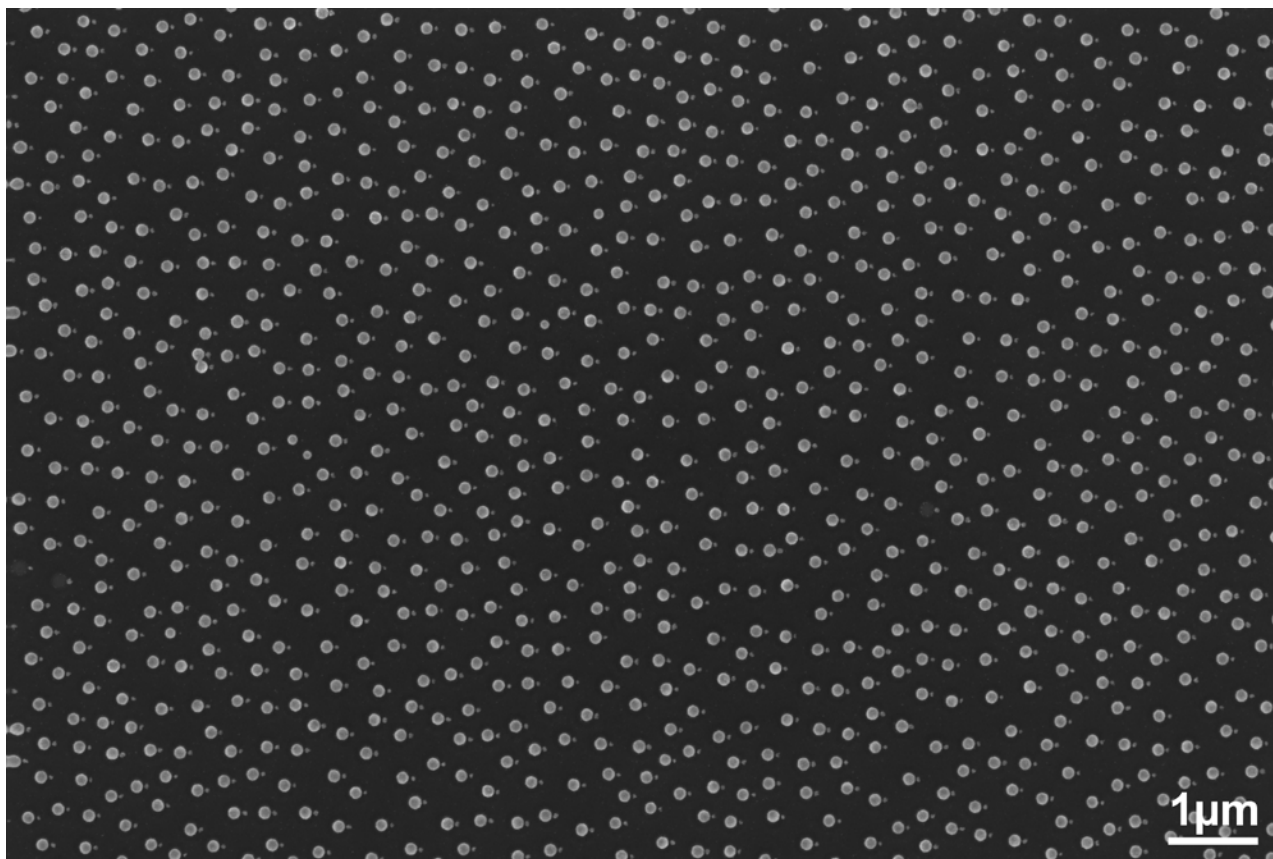


## Supporting Information

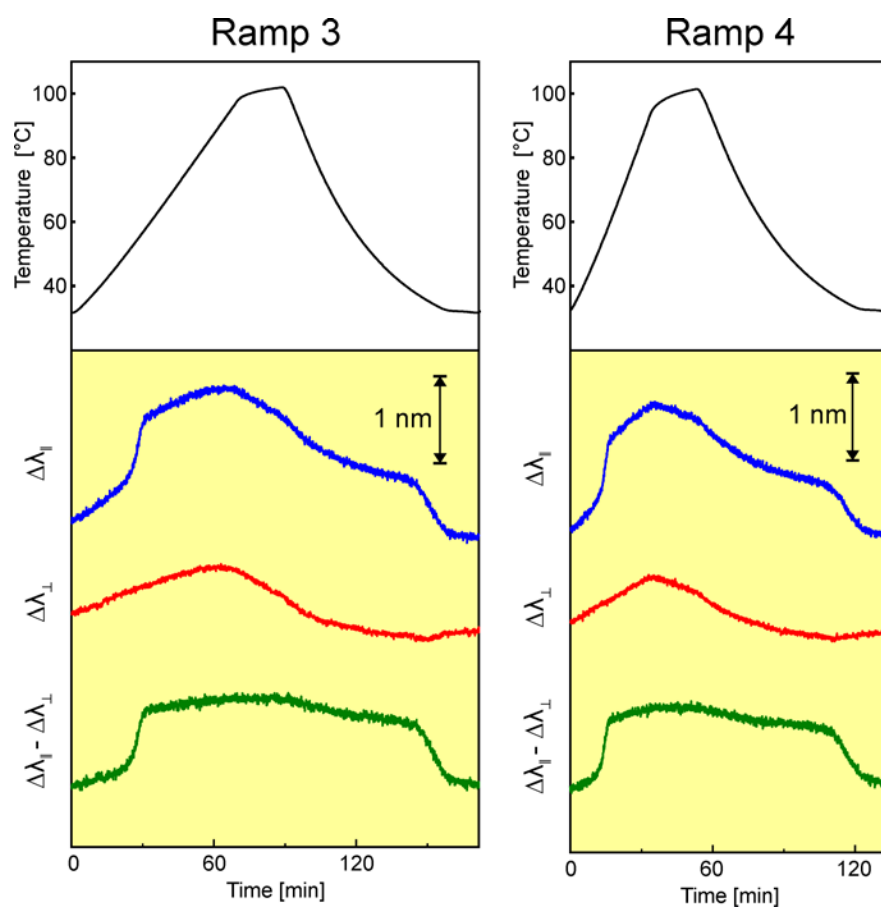
# Drift-corrected nanoplasmonic hydrogen sensing by polarization

*Carl Wadell\* and Christoph Langhammer\**

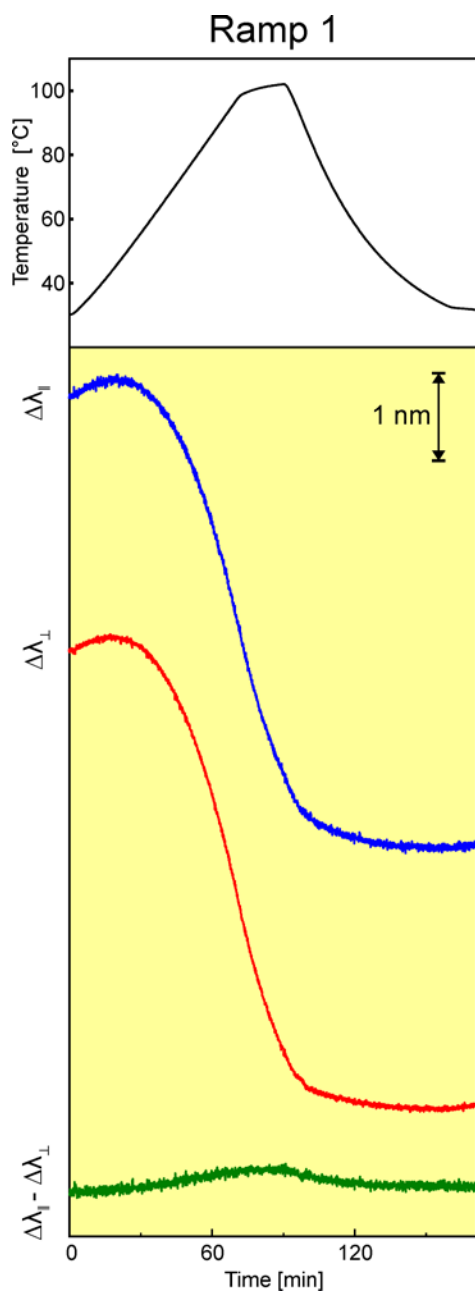
Department of Applied Physics, Chalmers University of Technology, 412 96 Göteborg, Sweden



**Figure S1.** Overview SEM image of the sample surface.



**Figure S2.** Drift correction during the third and fourth temperature ramps from 30 °C to above 100 °C in 4% H<sub>2</sub> in Ar. The top graphs show the temperature ramps and the graphs below show the corresponding LSPR peak shifts measured in parallel (blue) and perpendicular (red) polarizations, as well as the difference (green) between the two.



**Figure S3.** Drift correction during the first temperature ramp from 30 °C to above 100 °C in Ar. The top graph shows the temperature ramp and the graph below shows the corresponding LSPR peak shifts measured in parallel (blue) and perpendicular (red) polarizations, as well as the difference (green) between the two.