

Electronic supplementary information

for

**Improving the stability of titania nanosheets by
functionalization with polyelectrolytes**

Paul Rouster, Marko Pavlovic and Istvan Szilagyi*

*Department of Inorganic and Analytical Chemistry, University of Geneva, 30 Quai Ernest-
Ansermet, CH-1205 Geneva, Switzerland*

*Corresponding author. E-mail: istvan.szilagyi@unige.ch

Figure S1. Length (a), width (b) and thickness (c) distribution of the TNS before and after alkali treatment measured by TEM.

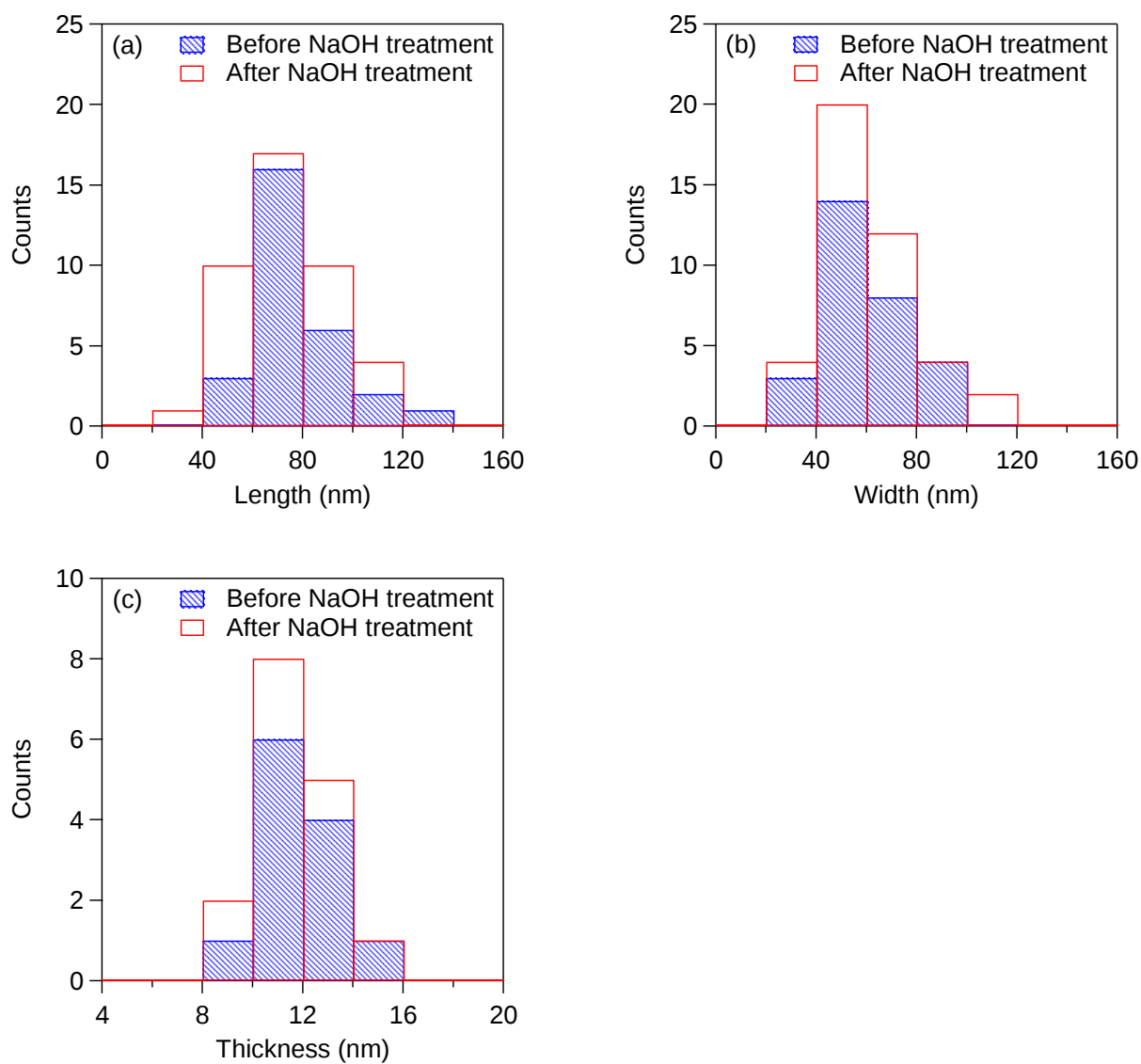


Figure S2. Determination of the point of zero charge (PZC) of the TNS from the pH dependence of the electrophoretic mobilities.

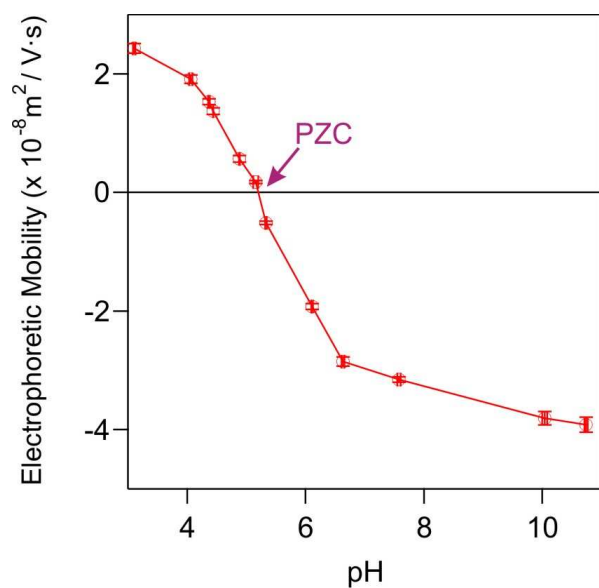


Figure S3. Electrokinetic potentials as a function of the ionic strengths for the bare and polymer coated TNS materials. The solid lines show the calculations to determine the surface charge densities using the Debye-Hückel model.

