Electronic Supplementary Material (ESI) for Physical Chemistry Chemical Physics

Formation of N719 Dye Multilayers on Dye Sensitized Solar Cell Photoelectrode Surfaces Investigated by Direct Determination of Element Concentration Depth Profiles

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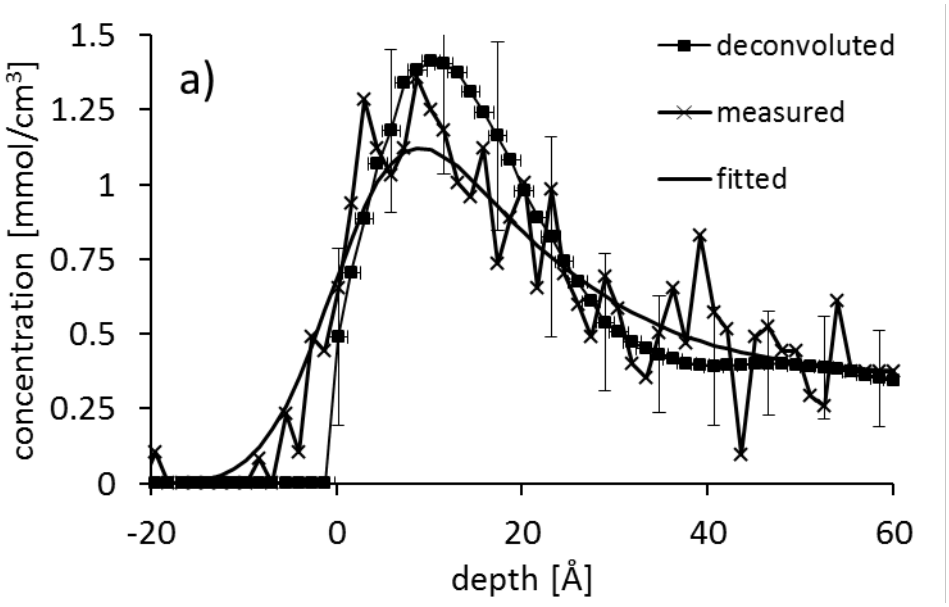
Electronic supplementary information (ESI)

I. Deconvolution of Concentration Depth Profiles and Correction for Sperical nature of the Titania Particles



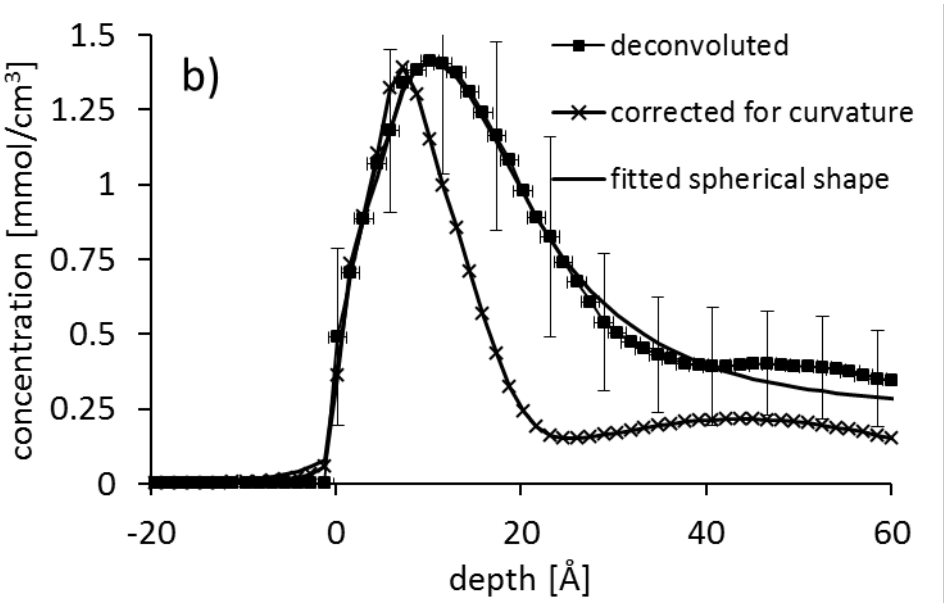


Figure S1: In a) the measured and deconvoluted concentration depth profile is shown of the 0.045 mM solution. The fitted graph is a convolution of the deconvoluted spectrum showing the quality of the deconvolution. In b) the concentration depth profile corrected for the curvature of the spherical titania particle is shown. The fitted curves shows the quality of the procedure correcting for the spherical nature of the titania particles.