

High-performance imaging of cell-substrate contacts using refractive index quantification microscopy: supplement

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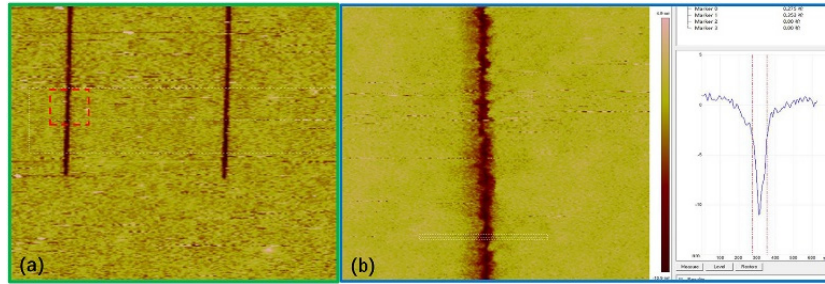


Fig. S1. The calibration of the slit width under an atomic force microscope. (a) The zoom-in on the region marked with a red square in Fig. 3(f). (b) The zoom-in on the region marked with a red square in panel a and the calibrated width of 120nm.

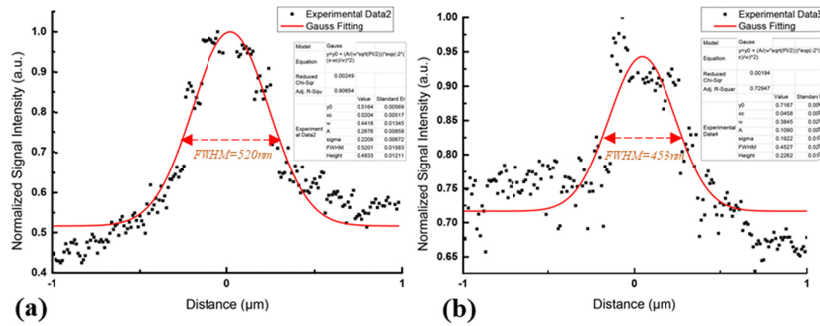


Fig.S2. The other two experimental data to calibrate the resolution. The method is similar to Fig.3(g). (a) The FWHM of gauss fitting curve is 520nm. (b) The FWHM of gauss fitting curve is 453nm.

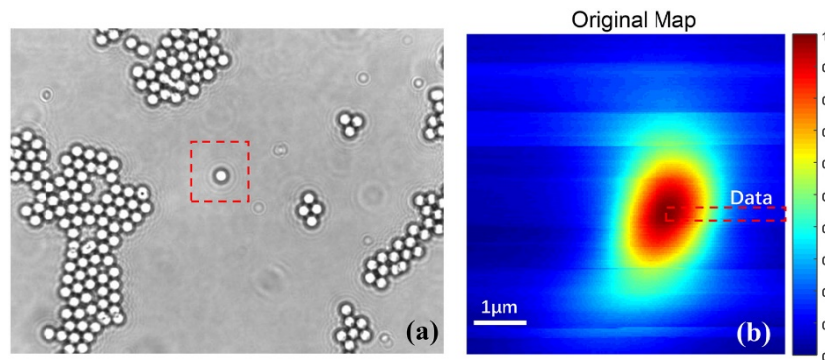


Fig.S3. The experiment on measurement of penetration depth of the evanescent field. (a) The bright field image of PS bead, and the diameter is 3μm. (b) The two-dimensional scanning map. The scanning range is 6μm × 6μm, and the step length is 30nm. The data in red squared region are averaged and showed in Fig 9(b).