JOURNAL OF THE AMERICAN CHEMICAL SOCIETY
J. Am. Chem. Soc., 1996, 118(50), 12840-12841, DOI:10.1021/ja962964p

Supplementary Material

Porous silicon coated with calixarene carboxylic acid derivatives: Effects on luminescence quenching selectivity

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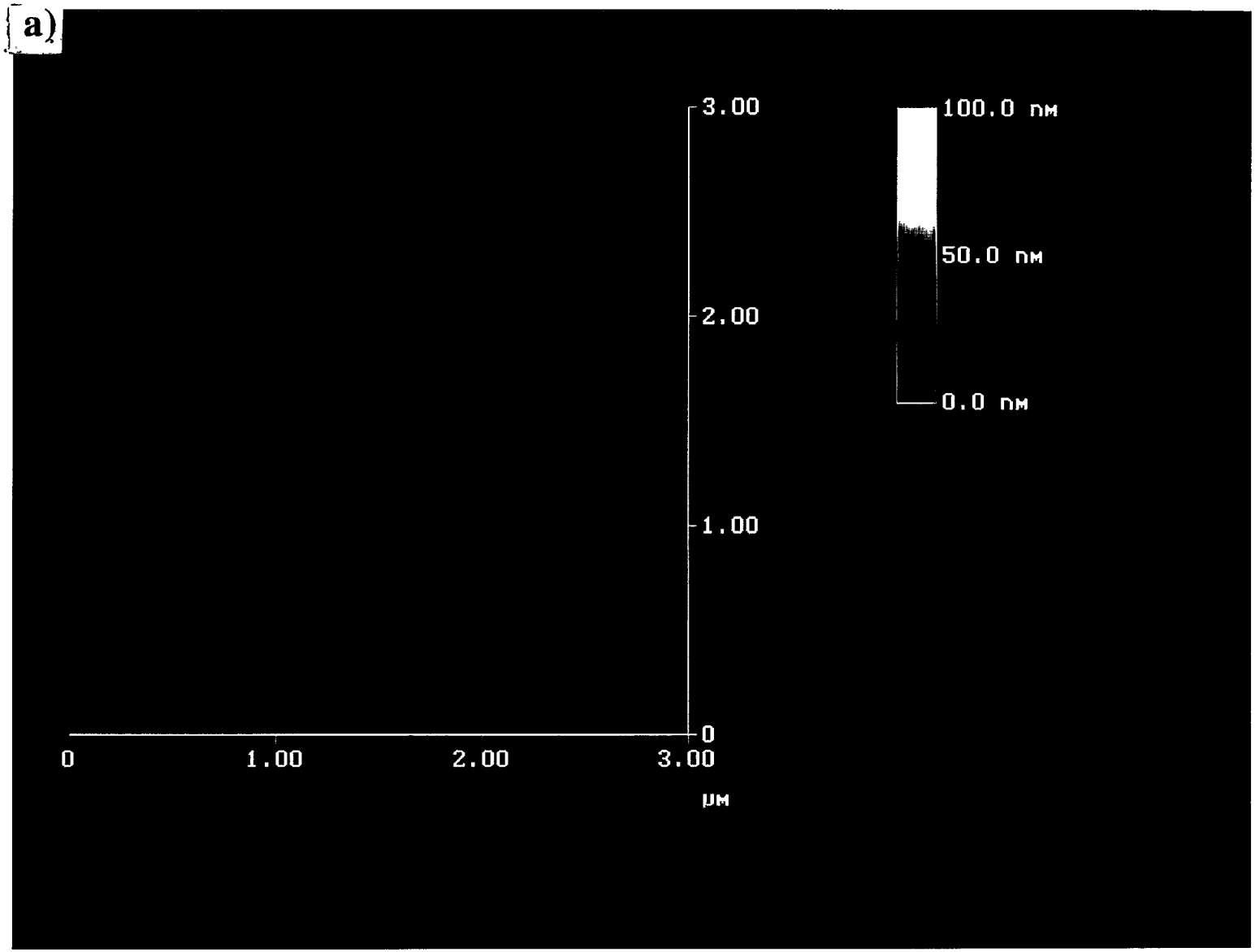
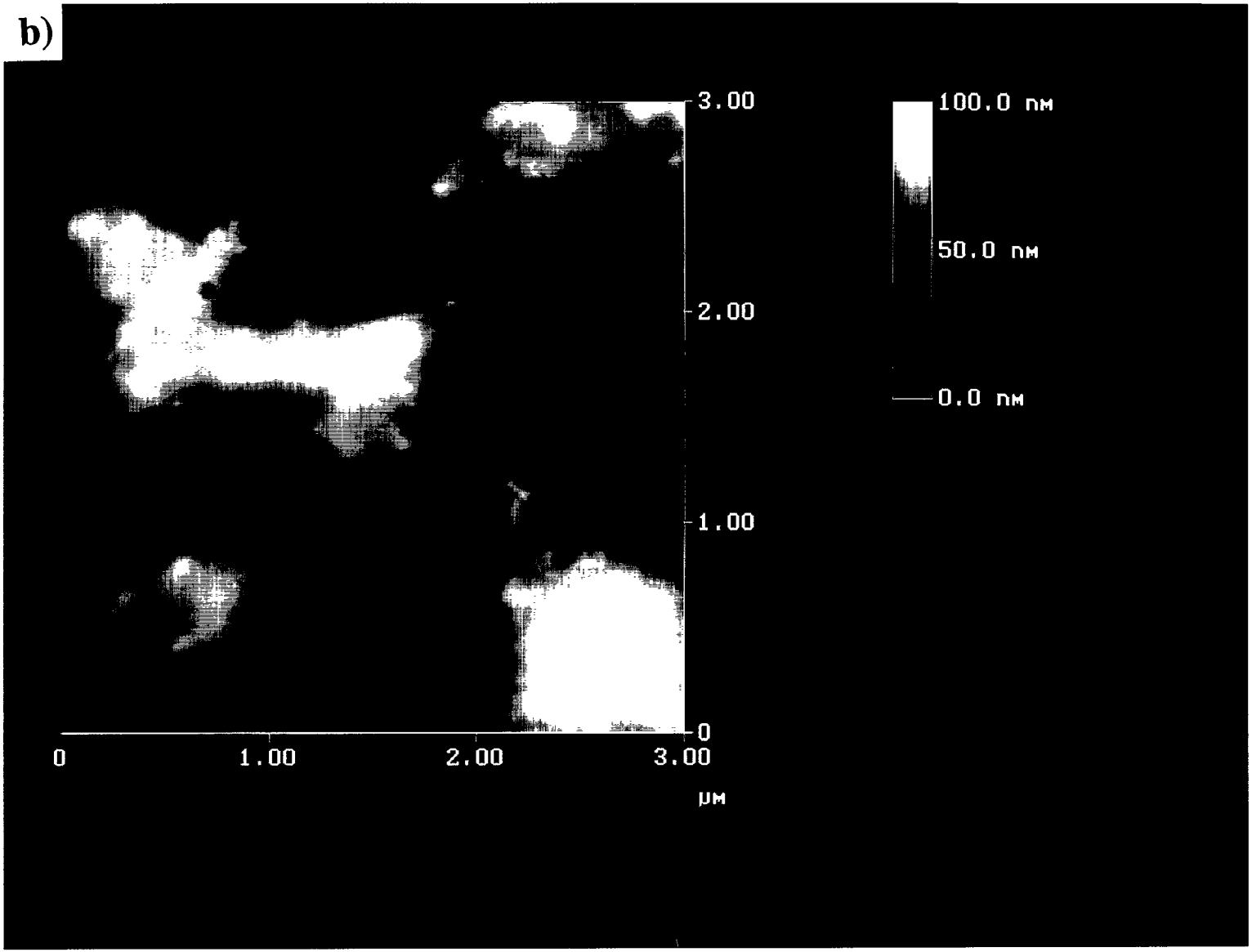
Supplementary Figures.

Supplementary Figure 1. AFM images of porous Si substrates coated with thin films of (a) calix[4]arene carboxylic acid **1** as well as (b) calix[8]arene carboxylic acid **2e**. Films were deposited from 0.01 M solutions of the relevant calixarene dissolved in CH_2Cl_2, according to the procedure described in the text.

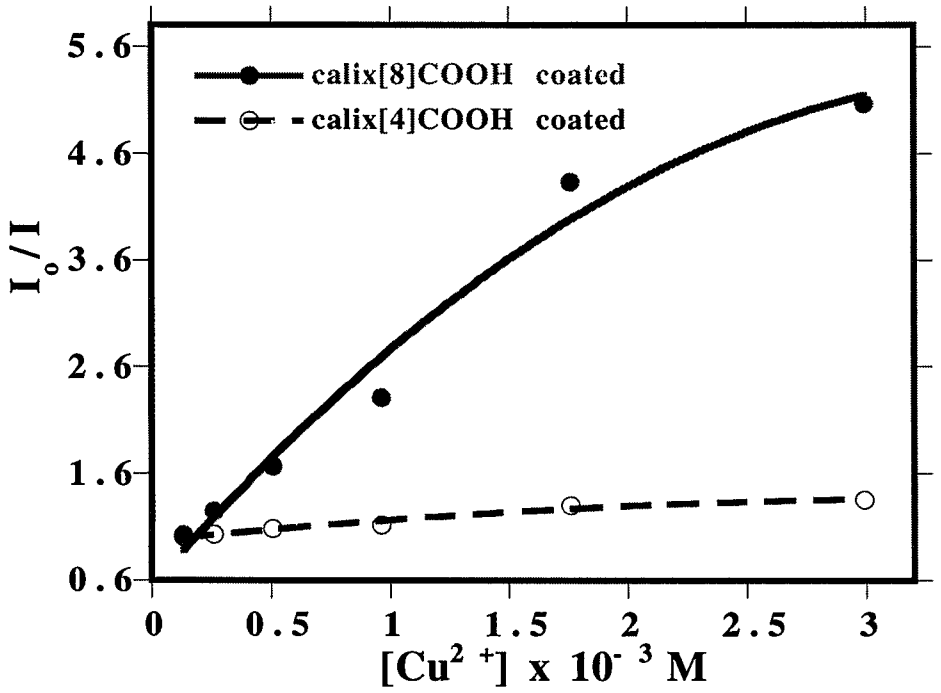
Supplementary Figure 2. Stern-Volmer plots of the reciprocal of normalized PL intensity changes as a function of Cu^{2+} quencher concentration for calix[8]-COOH -coated PS versus calix[4]-COOH -coated PS.



Supplementary Figure 1a



Supplementary Figure 1b



Supplementary Figure 2