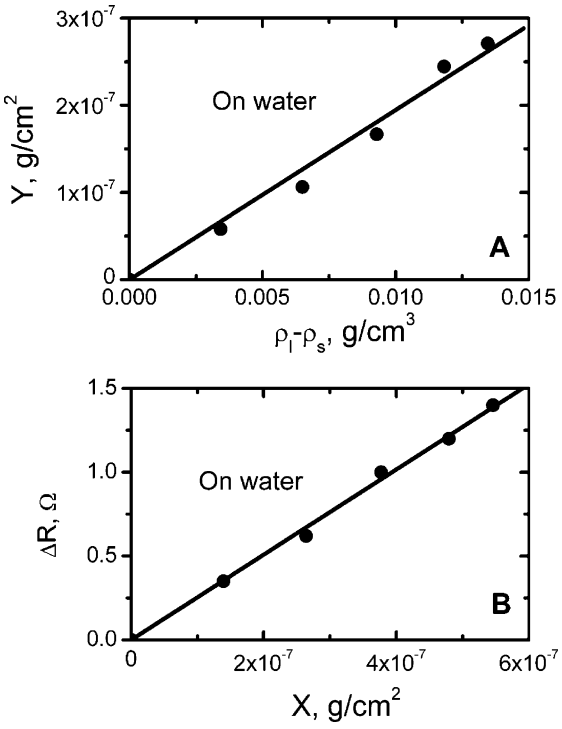
Additions and Corrections

Adsorption of Bituminous Components at Oil/Water Interfaces Investigated by Quartz Crystal Microbalance: Implications to the Stability of Water-in-Oil Emulsions

Lamia Goual, Géza Horváth-Szabó,* Jacob H. Masliyah, and Zhenghe Xu. *Langmuir* **2005**, *21*, 8278−8289.

The axes units in Figure 3 on page 8281 are erroneous, as kindly brought up by Dr. Kunal Karan (Queen's University, Kingston, ON). The corrected Figure 3 is given below.In this



Figure, we are not providing the data on gold because, contrary to our original assumption, the viscosity difference between H_2O and D_2O is not negligible. The nonlinear viscosity change of H_2O and D_2O mixtures should be used to obtain the precise h and C_r parameters of gold. Because the corrections applied at high bitumen concentrations are based on these parameters, the isotherm corresponding to the oil/gold interface at 10 wt % bitumen concentration in Figure 4 on page 8283 should not be considered.

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Amphiphilic 4-Helix Bundles Designed for Biomolecular Materials Applications

Shixin Ye, Joseph W. Strzalka, Bohdana M. Discher, Dror Noy, Songyan Zheng, P. Leslie Dutton, and J. Kent Blasie* *Langmuir* **2004**, *20*, 5897−5904.

(1) Materials and Methods Section, Synthesis. The peptide (NH_2-^1EIWKLHE.EF^{10}LKKFE.ELLKL^{20}HE.ERL-KKLL.L^{30}LALLQL.LLAL^{40}LQL.GGC−$CONH_2$) rather than (NH_2-^1EIWKLHE.EF^{10}LKKFE.ELLKL^{20}HE.ERLKKLL.L^{30}-QALLQL.LQAL^{40}LQL.GGC−$CONH_2$) was synthesized on Applied Biosystems' Pioneer continuous flow solid phase synthesizer using the standard Fmoc/tBu protection strategy on a Fmoc-PEG-PAL-PS resin (Applied Biosystems) on the 0.1 mmol scale.

(2) Results Section, Design of the Amphiphilic Peptide AP0. The two C-terminal heptads (residues 29−42) are based on the design of synthetic proton channel LS_2 (H_2N-(Leu-Ser-Leu-Leu-Leu-Ser-Leu)$_3$-$CONH_2$). We replace only two serines in LS_2 with glutamine to incorporate hydrogen bonding in the interior of the hydrophobic domain and thereby induce proper assembly of the protein.

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