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Author <b>Frida Jernström</b>		
Title (English) <b>Self-assembled monolayers of alkanethiols: A study of surface composition, wettability, and adsorption of proteins and peptides</b>		
Title (Swedish)		
Abstract Self-assembled monolayers (SAMs) of alkanethiols on gold were produced and characterised using contact angle goniometry, ESCA, SPR, and MALDI-MS. Two-component SAMs of polar and non-polar alkanethiols were included in the study. An alkanethiol equipped with an aromatic tail group was synthesised, and surface synthesis was carried out on hydroxyl-presenting SAMs to introduce fluorinated and aromatic tail groups respectively.		
Keywords Self-assembled monolayer, alkanethiols, surface synthesis, protein adsorption, peptide adsorption, SPR, MALDI-MS		
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