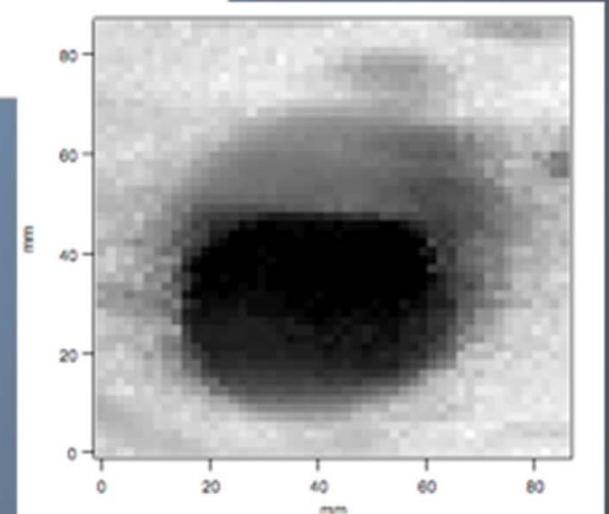
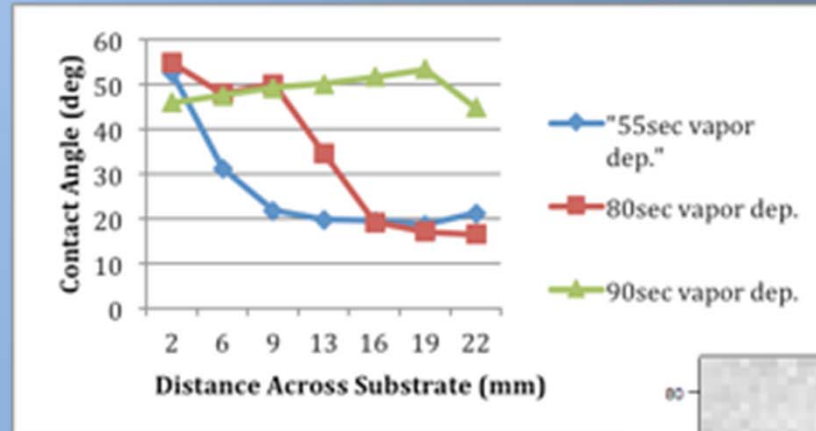
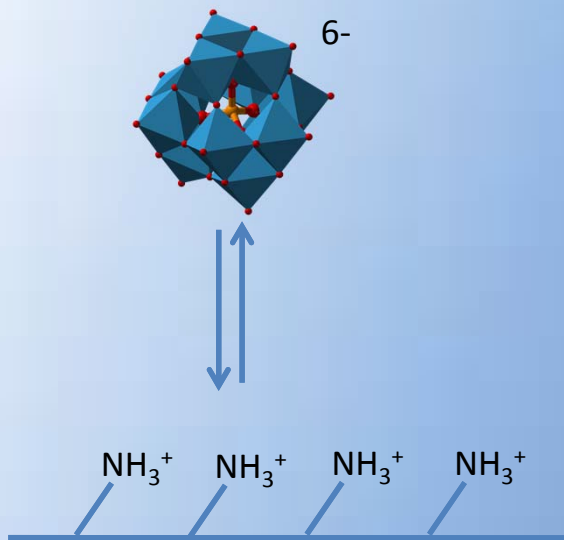


Interaction of polyoxometallates with organically-modified silica

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A chemical gradient of (3-aminopropyl)triethoxysilane has been made on a fused silica substrate. Additionally, high-resolution spatially dependent evanescent-wave cavity ring-down spectroscopy has been greatly improved. These can be combined to study the adsorption of polyoxometallates to charged substrates in a variety of environments. These studies may be relevant for the design of more efficient fuel cells.