



How hydrophilic can a hydrophilic surface be?

Abstract:



This presentation will focus mainly on our recent study of how the macroscopic wetting behaviour of charged surfaces is correlated with their microscopic chemical nature of the surface ionic groups. In this work polyelectrolyte multilayers (PEMs) were used as model charged surfaces.¹ With the aid of surface sensitive – spectroscopic techniques, we demonstrate the surface wetting behaviour of the PEMs is more closely correlated with the configurational geometry rather than hydrate strength of the uncompensated ionic groups on the surface capping layers^{2,3}. The

Biography

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	David C.C.Lam	1999 10
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