

Physico Chemical Phenomena In Thin Films And At Solid Surfaces



Physico Chemical Phenomena In Thin

Capillary action (sometimes capillarity, capillary motion, capillary effect, or wicking) is the ability of a liquid to flow in narrow spaces without the assistance of, or even in opposition to, external forces like gravity. The effect can be seen in the drawing up of liquids between the hairs of a paint-brush, in a thin tube, in porous materials such as paper and plaster, in some non-porous ...

Capillary action - Wikipedia

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International Journal of Pharmaceutics, 62 (1990) 87-95 Elsevier UP 02152 87 Review Article The molecular basis of moisture effects on the physical and chemical stability of drugs in the solid state Claes Ahlneck * and George Zografi School of Pharmacy, University of Wisconsin-Madison, Madison, WI 53706 (U.S.A.) (Received 29 December 1989) (Modified version received 2 April 1990) (Accepted 13 ...

The molecular basis of moisture effects on the physical ...

Concrete degradation may have various causes. Concrete can be damaged by fire, aggregate expansion, sea water effects, bacterial corrosion, calcium leaching, physical damage and chemical damage (from carbonation, chlorides, sulfates and non-distilled water). This process adversely affects concrete exposed to these damaging stimuli.

Concrete degradation - Wikipedia

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Fig. 3a and b display pitted surfaces after polarization in both EC/DMC–LiPF₆ and EC–LiPF₆ at a current density of 1 mA/cm². The lithium surface is locally dissolved to form pinhole-like patterns. The nucleation of such a pit on metal surface is a known randomized and localized phenomenon, initiated by the metal passive layer breakdown. The lithium passive film breakdown (composed of ...

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