DESCRIPTION

Polymer Surfaces and Interfaces II
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This volume presents a collection of review papers, based on the 'Polymer Surfaces and Interfaces II International Symposium' which took place in Durham (UK), July 1991. Compiled here, the papers present an authoritative overview of current technology and research on polymer surfaces, by acknowledged experts in their specialist fields. Individual reviews cover analytical techniques, properties, reactions, modelling and synthesis of surfaces and interfaces. Polymer Surfaces and Interfaces II will be of interest to polymer scientists, surface scientists, chemists, physicists and biologists, working in industrial and academic laboratories. Reviews of the previous volume 'Altogether a most useful addition to polymer science' -- Physics Bulletin 'The book can be unreservedly recommended to chemists and materials scientists with an interest in adhesion, biomaterials, polymer dispersions and molecular engineering' -- Polymer Contents Surface Chemistry of Chemically Resistant Polymers; T. G. Bee, A. J. Dias, N. L. Franchina, B. U. Kolb, K.-W. Lee, P. A. Patton, M. S. Shoichet and T. J. McCarthy Self-assembled Molecular Films as Polymer Surface Models; D. L. Allara, S. V. Atre and A. N. Parikh Non-equilibrium Effects in Polymeric Stabilization; M. E. Cates and J. T. Brooks Ion Beam Analysis of Composition Profiles near Polymer Surfaces and Interfaces; R. A. L. Jones Laser Light Scattering; J. C. Earnshaw Characterization of Interfaces in Polymers and Composites using Raman Spectroscopy; R. J. Young Surface Modification and Analysis of Ultra-high-modulus Polyethylene Fibres for Composites; G. A. George SSIMS -- An Emerging Technique for the Surface Chemical Analysis of Polymeric Biomaterials; M. C. Davies Scanning Probe Microscopy -- Current Issues in the Analysis of Polymeric Biomaterials; M. C. Davies, D. E. Jackson, C. J Roberts, S. J. B. Tendler, K. M. Kreusel, M. J. Wilkins and P.
M. Williams Surface Grafting of a Thrombin Substrate on a Polymer Membrane and the Inhibition of Thrombin Activity Leading to Non-thrombogenicity; Y. Ito, L.-S. Liu and Y. Imanishi Acid--Base Effects at Polymer Interfaces; C. J. van Oss

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