

V6 Reflectometer

Publications in 2005

<p><i>Czeslik, C.; Hazlete, T.; Gratton, E.; Steitz, R.; von Grunberg, H.; Ballauff, M.,</i> Effect of salt on the immobilization of proteins at polyelectrolyte brushes. Biophysical Journal 2005, 88, (1), 387A-388A.</p>
<p><i>Temst, K.; Popova, E.; Van Bael, M. J.; Loosvelt, H.; Swerts, J.; Buntinx, D.; Bruynseraede, Y.; Van Haesendonck, C.; Fritzsche, H.; Gierlings, M.; Leunissen, L. H. A.; Jonckheere, R.,</i> Magnetization reversal in patterned ferromagnetic and exchange-biased nanostructures studied by neutron reflectivity (invited). Journal of Applied Physics 2005, 97, (10).</p>
<p><i>Temst, K.; Girgis, E.; Portugal, R.D.; Loosvelt, H.; Popova, E.; Van Bael, M.J.; Van Haesendonck, C.; Fritzsche, H.; Gierlings, M.; Leunissen, L.H.A.; Jonckheere, R.;</i> Magnetization and polarized neutron reflectivity experiments on patterned exchange bias structures Eur. Phys. J. B 45 (2005) 261-266</p>
<p><i>Bowers J. ; Zorbakhsh A. ; Christenson H.K. ; McLure I.A. ; Webster J.R.P. ; Steitz R.</i> Neutron reflectivity studies of critical adsorption: behaviour of the surface scaling function Physical Review E 72 (2005) 041606/1 – 7</p>
<p><i>Carelli, C.; Jones, R.A.L.; Young, R.N.; Cubitt, R.; Krastev, R.; Gutberlet, Th.; Dalgliesh, R.; Schmid F.; Sferrazza, M.</i> The effects of long-ranged and short-ranged forces in confined near-critical polymeric liquids Europhysics Letters 71 (2005) 763 – 769</p>
<p><i>Delajon, C.; Gutberlet, T.; Steitz, R.; Möhwald, H.; Krastev, R.</i> Formation of Polyelectrolyte Multilayer Architectures with Embedded DMPC Studied in Situ by Neutron Reflectometry Langmuir 21 (2005) 8509 – 8514</p>
<p><i>Gopinadhan, M.; Ahrens, H.; Günther, J.-U.; Steitz, R.; Helm C.A.</i> Approaching the precipitation temperature of the deposition solution and the effects on the internal order of polyelectrolyte multilayers Macromolecules 38 (2005) 5228 – 5235</p>
<p><i>Jackler, G.; Czeslik, C.; Steitz, R.; Royer, C. A.</i> Spatial distribution of protein molecules adsorbed at a polyelectrolyte multilayer Physical Review E 71 (2005) 041912</p>
<p><i>Popova, E.; Loosvelt, H.; Gierlings, M.; Leunissen, L.H.A.; Jonckheere, R.; Van Haesendonck, C.; Temst, K.</i> Magnetization reversal in exchange biased Co/CoO patterns European Physical Journal B 44 (2005) 491 – 500</p>

Rocha, S.; Krastev, R.; Thünemann, A.F.; Carmo Pereira, M.; Möhwald, H.; Brezesinski, G.
Adsorption of Amyloid b-Peptide at Polymer Surfaces: A Neutron Reflectivity Study
ChemPhysChem **6** (2005) 2527 – 2534

Steitz R. ; Schemmel S. ; Shi H. ; Findenegg G.H.
Boundary layers of aqueous surfactant and block copolymer solutions against hydrophobic and hydrophilic solid surfaces
Journal of Physics: Condensed Matter **17** (2005) S665 - S683

Toca-Herrera, J.-L.; Krastev, R.; Bosio, V.; Küpcü, S.; Pum, D.; Fery, A.; Sára, M.; Sleytr, U.B.
Recrystallization of Bacterial S-Layers on Flat Polyelectrolyte Surfaces and Hollow Polyelectrolyte Capsules
SMALL **1** (2005) 339 – 348