

V6 Reflectometer

Publications in 2004

<p>Temst, K.; Van Bael, M. J.; Swerts, J.; Buntinx, D.; Loosvelt, H.; Popova, E.; Van Haesendonck, C.; Fritzsche, H.; Gierlings, M.; Leunissen, L. H. A.; Jonckheere, R. Magnetization reversal in patterned structures using off-specular polarized neutron scattering Journal of Magnetism and Magnetic Materials 2004, 282, 6-10.</p>
<p>Swerts, J.; Temst, K.; Van Haesendonck, C.; Fritzsche, H.; Gladilin, V. N.; Fomin, V. M.; Devreese, J. T., Polarized neutron reflectivity on dilute magnetic alloys. Europhysics Letters 2004, 68, (2), 282-288.</p>
<p>Joseph, Y.; Krasteva, N.; Besnard, I.; Guse, B.; Rosenberger, M.; Wild, U.; Knop-Gericke, A.; Schlägl, R.; Krustev, R.; Yasuda, A.; Vossmeye, T.; Gold-nanoparticle/organic linker films: self-assembly, electronic and structural characterisation, composition and vapour sensitivity Faraday Discuss. 125 (2004) 77–97.</p>
<p>v. Klitzing, R.; Wong, J.E.; Jaeger, W.; Steitz, R. Short range interaction in polyelectrolyte multilayers Current Opinion in Colloid and Interface Science 9 (2004), 158 – 162</p>
<p>Czeslik, C.; Jackler, G.; Steitz, R.; von Grünberg, H.-H. Protein binding to like-charged polyelectrolyte brushes by counterion evaporation Journal of Physical Chemistry B 108 (2004), 13395 – 13402</p>
<p>Glinel, K.; Prevot, M.; Krustev, R.; Sukhorukov, G.; Jonas, A.; Möhwald, H. Control of the Water Permeability of Polyelectrolyte Multilayers by Deposition of Charged Paraffin Particles Langmuir 20 (2004) 4898 – 4302</p>
<p>Carriere, D.; Krastev, R.; Schönhoff, M. Oscillations in Solvent Fraction of Polyelectrolyte Multilayers Driven by the Charge of the Terminating Layer Langmuir 20 (2004) 11465 – 11472</p>
<p>Fritzsche, H.; Liu, Y. T.; Hauschild, J.; Maletta, H. Magnetization of uncovered and V-covered ultrathin Fe(100) films on V(100) Physical Review B: Condensed Matter 70 (2004), 214406-1 - 214406-6</p>
<p>Czeslik, C.; Jackler, G.; Hazlett, T.; Gratton, E.; Steitz, R.; Wittemann, A.; Ballauff, M. Salt-induced protein resistance of polyelectrolyte brushes studied using fluorescence correlation spectroscopy and neutron reflectometry Physical Chemistry Chemical Physics 6 (2004), 5557 – 5563</p>

Fitzsimmons, M.R; Fritzsche, H.; Gierlings, M; Major, J; Pynn, R

Measuring Scattering Angles with Neutron Spin Echo

Nuclear Instruments and Methods in Physics Research Section A **529** (2004), 10

Gutberlet, T., B. Klösgen, R. Krastev, and R. Steitz.

Neutron reflectivity as a method to study in-situ adsorption of phospholipid layers to solid-liquid interfaces

Advanced Engineering Materials 6 (2004), p. 832-836

Czeslik, C.

Factors ruling protein adsorption

Zeitschrift für Physikalische Chemie **218** (2004), 771 – 801

Ahrens, H.; Büscher, K; Eck, D.; Luap, C.; Papastavrou, G.; Schmitt. J.; Steitz, R.;

Helm, C. A;

Poly (styrene sulfonate) adsorption: electrostatic and secondary interactions

Macromolecular Symposia **211** (2004), 93 – 105

Liu, Y.T.; Fritzsche, H.; Hauschild, J.; Maletta, H.

Polarized neutron refelctometry study of thin Fe films prepared on V(100)

Physica B **350** (2004), e225 - e227

Aksenov, V.; Yu.Nikitenko, V.Progliado, H.Fritzsche, V.Gavrilov, E.Raitman

NEUTRON REFLECTION BY ULTRASONICALLY EXCITED GLASS SURFACE

Latvian Journal Phys. Tech. Sci. **6** (2004), 3 – 11