

Mathias Ulbricht – List of publications

Essen, 19.12.2011

Papers in Journals (peer-reviewed)

137. J. U. Wieneke, B. Kommoß, O. Gaer, I. Prykhodko, M. Ulbricht, "Systematic investigation of dispersions of unmodified inorganic nanoparticles in organic solvents with focus on the Hansen solubility parameters", *Ind. Eng. Chem. Res.* **2011**, accepted.
136. N. Adrus, M. Ulbricht, "Novel hydrogel pore-filled composite membranes with tunable and temperature-responsive size-selectivity", *J. Mater. Chem.* **2011**, accepted.
135. A. Wittmar, D. Ruiz-Abad, M. Ulbricht, "Dispersions of silica nanoparticles in ionic liquids investigated with advanced rheology", *J. Nanoparticle Res.* **2011**, accepted.
134. P. D. Peeva, N. Million, M. Ulbricht, "Factors affecting the sieving behavior of anti-fouling thin-layer cross-linked hydrogel polyethersulfone composite ultrafiltration membranes", *J. Membr. Sci.* **2011**, in press.
133. E. Berndt, S. Behnke, M. Ulbricht, "Influence of alkyl chain length and molecular weight on the surface functionalization via adsorption/entrapment with biocidal cationic block copolymers", *Eur. Polym. J.*, **2011**, *47*, 2379-2390.
132. P. D. Peeva, A. E. Palupi, M. Ulbricht, "Ultrafiltration of humic acid solutions through unmodified and surface functionalized low-fouling polyethersulfone membranes – Effects of feed properties, molecular weight cut-off and membrane chemistry on fouling behavior and cleanability", *Separ. Purif. Technol.* **2011**, *81*, 124–133.
131. T. Bahners, K. Klingelhöller, M. Ulbricht, A. Wego, E. Schollmeyer, "Photo-chemical surface modification for the control of protein adsorption on textile substrates", *J. Adhes. Sci. Technol.* **2011**, *25*, 2219–2238.
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129. F. Tomicki, D. Krix, H. Nienhaus, M. Ulbricht, „Stimuli-responsive track-etched membranes via surface-initiated controlled radical polymerization: Influence of grafting density and pore size“, *J. Membr. Sci.* **2011**, *377*, 124-133.
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126. H. Guo, M. Ulbricht, „Preparation of thermo-responsive polypropylene membranes via surface entrapment of poly(N-isopropylacrylamide)-containing macromolecules“, *J. Membr. Sci.* **2011**, *372*, 331-339.
125. Q. Yang, M. Ulbricht, "Cylindrical membrane pores with well-defined grafted linear and comb-like glycopolymer layers for lectin binding", *Macromolecules* **2011**, *44*, 1303-1310.
124. Q. Yang, N. Adrus, F. Tomicki, M. Ulbricht, "Composites of functional polymeric hydrogels and porous membranes" (*Invited Review*), *J. Mater. Chem.* **2011**, *21*, 2783-2811.
123. R. Tarnawski, M. Ulbricht, "Amphiphilic gold nanoparticles: Synthesis, characterization and adsorption to PEGylated polymer surfaces", *Colloids and Surfaces A* **2011**, *374*, 13-21.
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