

## Publikationsliste GKSS 2006

### Regenerative Medizin

1. **W. Albrecht, J. Schauer, T. Weigel, A. Lendlein:** *Preparation of novel Composite membranes: Reactive coating on microporous poly (ether imide) support membranes.* Journ. of Membrane Sci. 269 (2006) 49-59 **IF 2,654**
2. **W. Albrecht, K. Lützow, T. Weigel, T. Groth, M. Schossig, A. Lendlein:** *Development of highly porous microparticles from poly(ether imide) prepared by a spraying/ coagulation process.* Journ. of Membrane Sci. 273 (2006) 106-115 **IF 2,654**
3. **R. Mohr, K. Kratz, T. Weigel, M. Lucka-Gabor, A. Moneke, A. Lendlein:** *Initiation of shape-memory effect by inductive heating of magnetic nanoparticles in thermoplastic polymers.* PNAS 103 (2006) 10, 3540-3545, published online before print on February 28 2006, DOI: 1073/pnas.0600079103 **IF 10,231**
4. H. Jiang, **S. Kelch, A. Lendlein:** *Polymers Move in Response to Light.* Adv. Mat. 18 (2006) 1471-1475, DOI: 10.1002/adma.200502266 **IF 9,107**
5. M. Schmelter, B. Ateghang, S. Helmig, **M. Wartenberg, H. Sauer:** *Embryonic stem cells utilize reactive oxygen species as transducers of mechanical strain-induced cardiovascular differentiation.* FASEB J. 20,8 (2006) 1182-1184 **IF 7,046**
6. B. Ateghang, **M. Wartenberg, M. Gassmann, H. Sauer:** *Regulation of cardiotrophin-1 expression in mouse embryonic stem cells by HIF-1alpha and intracellular reactive oxygen species.* J Cell Sci. 119 (2006) 6, 1043-1052. **IF 6,543**
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8. **M. Entrialgo-Castaño, A. Lendlein, D. Hofmann:** *Molecular Modeling Investigations of Dry and Two Water-Swollen States of Biodegradable Polymers,* Advanced Eng. Mat. 8,5 (2006), 434-439 **IF 1,297**
9. N.-Y. Choi, **S. Kelch, A. Lendlein:** *Synthesis, Shape-memory Functionality and Hydrolytical Degradation Studies on Polymer Networks from Poly (rac-lactide)-b-poly(rac-lactide) dimethacrylates,* Advanced Eng. Mat. 8,5 (2006), 439-445 **IF 1,297**
10. **C. Trimpert, G. Boese, W. Albrecht, K. Richau, T. Weigel, A. Lendlein, T. Groth:** *Poly (ether imide) Membranes Modified with Poly (ethylene imine) as*

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- Potential Carriers for Epidermal Substitutes*, Macromolecular Bioscience, 6, (2006) 274-284 **IF 1,891**
11. D. Rickert, **A. Lendlein**, I. Peters, M. A. Moses, R.P. Franke: *Biocompatibility Testing of Novel Multifunctional Polymeric Biomaterials for Tissue Engineering Applications in Head and Neck Surgery: An Overview*, European Archives of Otorhino-Laryngology, (2006) 263: 215-222 **IF 0,895**
  12. C. Schepers, **D. Hofmann**: *Molecular simulation study on sorption and diffusion processes in polymeric pervaporation membrane materials*, Molecular Simulation, 32, 2 (2006) 73-83 **IF 1,345**
  13. **M. Heuchel**, M. Böhning, O. Hölck, **M. Siegert**, **D. Hofmann**: *Atomistic Packing Models for Experimentally Investigated Swelling States Induced by CO<sub>2</sub> in Glassy Polysulfone and Poly (ether sulfone)*, J Polymer Science: Part B: Polymer Physics, 44 (2006) 1874-1897 **IF 1,739**
  14. **D. Hofmann**, **M. Heuchel**, **M. Entrialgo-Castano**, **M. Siegert**, **S. Pelzer**: *Atomistic Modeling and Simulation of Membrane Phenomena*, Sept 2006, Desalination, 199 (2006) 9-11 **IF 0,955**
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  20. J. Schauer, V. Kudela, **K. Richau**, **R. Mohr**: *Heterogeneous ion-exchange membranes based on sulfonated poly (1,4-phenylene sulfide)*; Desalination, 198, 2006, 256-265 **IF 0,955**

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23. **H.-G. Hicke, M. Becker**, B.-R. Paulke, M. Ulbricht: *Covalently coupled nanoparticles in capillary pores as enzyme carrier and as turbulence promoter to facilitate enzymatic polymerizations in flow-through enzyme-membrane reactors*, J. Memb. Sci, 282, 413-422, (2006) **IF 2,654**
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