

Group of G. Wegner

Bagnich, S. A., C. Im, H. Bässler, D. Neher and U. Scherf: Energy transfer in a ladder-type methyl-poly(para-phenylene) doped by Pt(II)octaethylporphyrin. In: *Chemical Physics* **299**, 1, 11-16 (2004).

Borissov, D., A. Ziegler, S. Höger and W. Freyland: SAMs of shape-persistent macrocycles: Structure and binding on HOPG and Au(111). In: *Langmuir* **20**, 7, 2781-2784 (2004).

Erdemi, H., A. Bozkurt and W. H. Meyer: PAMPSA-IM based proton conducting polymer electrolytes. In: *Synthetic Metals* **143**, 1, 133-138 (2004).

Faatz, M., F. Gröhn and G. Wegner: Amorphous calcium carbonate: Synthesis and potential intermediate in biomineralization. In: *Advanced Materials* **16**, 12, 996-1000 (2004).

Fischer, M., G. Lieser, A. Rapp, I. Schnell, W. Mamdouh, S. De Feyter, F. C. De Schryver and S. Höger: Shape-persistent macrocycles with intraannular polar groups: Synthesis, liquid crystallinity, and 2D organization. In: *Journal of the American Chemical Society* **126**, 1, 214-222 (2004).

Gitsas, A., G. Floudas and G. Wegner: Effects of temperature and pressure on the stability and mobility of phases in rigid rod poly (p-phenylenes). In: *Physical Review E* **69**, 4, Seq. No.: 041802 (2004).

Herschke, L., V. Enkelmann, I. Lieberwirth and G. Wegner: The role of hydrogen bonding in the crystal structures of zinc phosphate hydrates. In: *Chemistry-A European Journal* **10**, 11, 2795-2803 (2004).

Jo, J. H., C. Y. Chi, S. Höger, G. Wegner and D. Y. Yoon: Synthesis and characterization of monodisperse oligofluorenes. In: *Chemistry-A European Journal* **10**, 11, 2681-2688 (2004).

Kita, R., G. Kircher and S. Wiegand: Thermally induced sign change of Soret coefficient for dilute and semidilute solutions of poly(N-isopropylacrylamide) in ethanol. In: *Journal of Chemical Physics* **121**, 18, 9140-9146 (2004).

Kita, R., S. Wiegand and J. Luettmmer-Strathmann: Sign change of the Soret coefficient of poly(ethylene oxide) in water/ethanol mixtures observed by thermal diffusion forced Rayleigh scattering. In: *Journal of Chemical Physics* **121**, 8, 3874-3885 (2004).

Kubota, K., H. Kogure, Y. Masuda, Y. Toyama, R. Kita, A. Takahashi and M. Kaibara: Gelation dynamics and gel structure of fibrinogen. In: *Colloids and Surfaces B-Biointerfaces* **38**, 3-4, 103-109 (2004).

Liang, P., Q. Shen, Y. Zhao, Y. Zhou, H. Wei, I. Lieberwirth, Y. P. Huang, D. J. Wang and D. F. Xu: Petunia-shaped superstructures of CaCO₃ aggregates modulated by modified chitosan. In: *Langmuir* **20**, 24, 10444-10448 (2004).

Lieser, G., G. Wegner, J. A. Smith and K. B. Wagener: Morphology and packing behavior of model ethylene/propylene copolymers with precise methyl branch placement. In: *Colloid and Polymer Science* **282**, 8, 773-781 (2004).

Papadopoulos, P., G. Floudas, C. Chi and G. Wegner: Molecular dynamics of oligofluorenes: A dielectric spectroscopy investigation. In: *Journal of Chemical Physics* **120**, 5, 2368-2374 (2004).

Rajadurai, C., S. Ostrovsky, K. Falk, V. Enkelmann, W. Haase and M. Baumgarten: Synthesis, crystal structure and magnetism of centrosymmetric linear trinuclear copper(II) complex of pyridine nitronyl nitroxide derivative. In: *Inorganica Chimica Acta* **357**, 2, 581-587 (2004).

Schuster, M. F. H., W. H. Meyer, M. Schuster and K. D. Kreuer: Toward a new type of anhydrous organic proton conductor based on immobilized imidazole. In: *Chemistry of Materials* **16**, 2, 329-337 (2004).

Wang, Z. H., V. Enkelmann, F. Negri and K. Müllen: Rational design of helical columnar packing in single crystals. In: *Angewandte Chemie-International Edition* **43**, 15, 1972-1975 (2004).

Wang, Z. H., Z. Tomovic, M. Kastler, R. Pretsch, F. Negri, V. Enkelmann and K. Müllen: Graphitic molecules with partial „Zig/Zag“ periphery. In: *Journal of the American Chemical Society* **126**, 25, 7794-7795 (2004).

Wilms, M., J. Conrad, K. Vasilev, M. Kreiter and G. Wegner: Manipulation and conductivity measurements of gold nanowires. In: *Applied Surface Science* **238**, 1-4, 490-494 (2004).

Wilson, J. N., M. D. Smith, V. Enkelmann and U. H. F. Bunz: Cruciform pi-systems: effect of aggregation on emission. In: *Chemical Communications*, 15, 1700-1701 (2004).

Wu, J. S., Z. Tomovic, V. Enkelmann and K. Müllen: From branched hydrocarbon propellers to C-3-symmetric graphite disks. In: *Journal of Organic Chemistry* **69**, 16, 5179-5186 (2004).

Ying, Z., N. Costantini, M. Mierzwa, T. Pakula, D. Neugebauer and K. Matyjaszewski: Super soft elastomers as ionic conductors. In: *Polymer* **45**, 18, 6333-6339 (2004).