

S. Balushev, T. Miteva, V. Yakutkin, G. Nelles, A. Yasuda, G. Wegner

Up-conversion fluorescence: Noncoherent excitation by sunlight.

Physical Review Letters. **97(14)**, 143903 (2006)

P-06-260

B. Bingöl, W. H. Meyer, M. Wagner, G. Wegner

Synthesis, microstructure, and acidity of poly (vinylphosphonic acid).

Macromolecular Rapid Communications. **27(20)**, 1719-1724 (2006)

P-06-289

C. Y. Chi, C. Im, G. Wegner

Lifetime determination of fluorescence and phosphorescence of a series of oligofluorenes.

Journal of Chemical Physics. **124(2)**, 024907 (2006)

P-06-16

M. M. Demir, M. Memesa, P. Castignolles, G. Wegner

PMMA/zinc oxide nanocomposites prepared by in-situ bulk polymerization.

Macromolecular Rapid Communications. **27(10)**, 763-770 (2006)

P-06-226

M. M. Demir, R. Munoz-Espi, I. Lieberwirth, G. Wegner

Precipitation of monodisperse ZnO nanocrystals via acid-catalyzed esterification of zinc acetate.

Journal of Materials Chemistry. **16(28)**, 2940-2947 (2006)

P-06-239

S. T. Günday, A. Bozkurt, W. H. Meyer, G. Wegner

Effects of different acid functional groups on proton conductivity of polymer-1,2,4-triazole blends.

Journal of Polymer Science Part B-Polymer Physics. **44(23)**, 3315-3322 (2006)

P-06-288

B. Guillemet, M. Faatz, F. Gröhn, G. Wegner, Y. Gnanou

Nanosized amorphous calcium carbonate stabilized by poly(ethylene oxide)-b-poly(acrylic acid) block copolymers.

Langmuir. **22(4)**, 1875-1879 (2006)

P-06-175

K. Harre, G. Wegner

Solution properties and kinetics of aggregation of an alkyl-substituted poly(p-phenylene).

Polymer. **47(20)**, 7312-7317 (2006)

P-06-132

L. Herschke, I. Lieberwirth, G. Wegner

**Zinc phosphate as versatile material for potential biomedical applications
Part II.**

Journal of Materials Science-Materials in Medicine. **17(1)**, 95-104 (2006)
P-06-200

L. Herschke, J. Rottstegge, I. Lieberwirth, G. Wegner

**Zinc phosphate as versatile material for potential biomedical applications
Part I.**

Journal of Materials Science-Materials in Medicine. **17(1)**, 81-94 (2006)
P-06-199

M. Kastler, F. Laquai, K. Müllen, G. Wegner

Room-temperature nondispersive hole transport in a discotic liquid crystal.

Applied Physics Letters. **89(25)**, 252103 (2006)
P-06-197

M. Kastler, W. Pisula, F. Laquai, A. Kumar, R. J. Davies, S. Baluschev, M. C. Garcia-Gutierrez, D. Wasserfallen, H.-J. Butt, C. Riekkel, G. Wegner, K. Müllen

Organization of charge-carrier pathways for organic electronics.

Advanced Materials. **18(17)**, 2255-2259 (2006)
P-06-117

A. Kroeger, J. Belack, A. Larsen, G. Fytas, G. Wegner

Supramolecular structures in aqueous solutions of rigid polyelectrolytes with monovalent and divalent counterions.

Macromolecules. **39(20)**, 7098-7106 (2006)
P-06-120

F. Laquai, G. Wegner, C. Im, H. Bässler, S. Heun

Comparative study of hole transport in polyspirobifluorene polymers measured by the charge-generation layer time-of-flight technique.

Journal of Applied Physics. **99(2)**, 023712 (2006)
P-06-170

F. Laquai, G. Wegner, C. Im, H. Bässler, S. Heun

Nondispersive hole transport in carbazole- and anthracene-containing polyspirobifluorene copolymers studied by the charge-generation layer time-of-flight technique.

Journal of Applied Physics. **99(3)**, 033710 (2006)
P-06-23

S. Y. Lee, G. Scharfenberger, W. H. Meyer, G. Wegner

A new water-free proton conducting membrane for high-temperature application.

Journal of Power Sources. **163(1)**, 27-33 (2006)
P-06-265

K. Lienkamp, C. Ruthard, G. Lieser, R. Berger, F. Groehn, G. Wegner
Polymerization of styrene sulfonate ethyl ester and styrene sulfonate dodecyl ester by ATRP: Synthesis and characterization of polymer brushes.
Macromolecular Chemistry and Physics. **207(22)**, 2050-2065 (2006)
P-06-295

K. Lienkamp, I. Schnell, F. Groehn, G. Wegner
Polymerization of styrene sulfonate ethyl ester by ATRP: Synthesis and characterization of macromonomers for Suzuki polycondensation.
Macromolecular Chemistry and Physics. **207(22)**, 2066-2073 (2006)
P-06-294

G. Q. Lu, I. Lieberwirth, G. Wegner
A general polymer-based process to prepare mixed metal oxides: The case of Zn_{1-x}Mg_xO nanoparticles.
Journal of the American Chemical Society. **128(48)**, 15445-15450 (2006)
P-06-290

V. Marcon, N. van der Vegt, G. Wegner, G. Raos
Modeling of molecular packing and conformation in oligofluorenes.
Journal of Physical Chemistry B. **110(11)**, 5253-5261 (2006)
P-06-42

D. Neugebauer, M. Theis, T. Pakula, G. Wegner, K. Matyjaszewski
Densely heterografted brush macromolecules with crystallizable grafts. Synthesis and bulk properties.
Macromolecules. **39(2)**, 584-593 (2006)
P-06-169

D. Palms, C. Priest, R. Sedev, J. Ralston, G. Wegner
Directed crystallisation of zinc oxide on patterned surfaces.
Journal of Colloid and Interface Science. **303(2)**, 333-336 (2006)
P-06-262

G. Scharfenberger, W. H. Meyer, G. Wegner, M. Schuster, K. D. Kreuer, J. Maier
Anhydrous polymeric proton conductors based on imidazole functionalized polysiloxane.
Fuel Cells. **6(3-4)**, 237-250 (2006)
P-06-105

E. Somma, C. Chi, B. Loppinet, J. Grinshtein, R. Graf, G. Fytas, H. W. Spiess, G. Wegner
Orientation dynamics in isotropic phases of model oligofluorenes: Glass or liquid crystal.
Journal of Chemical Physics. **124(20)**, 204910 (2006)
P-06-298

E. Somma, B. Loppinet, C. Chi, G. Fytas, G. Wegner
Static and dynamic solution properties of monodisperse oligofluorenes.
Physical Chemistry Chemical Physics. **8(23)**, 2773-2778 (2006)
P-06-230

G. Wegner

Polymers as functional components in batteries and fuel cells.

Polymers for Advanced Technologies. **17(9-10)**, 705-708 (2006)

P-06-186

C. K. Woo, B. Schiewe, G. Wegner

Multilayered assembly of cellulose derivatives as primer for surface modification by polymerization.

Macromolecular Chemistry and Physics. **207(2)**, 148-159 (2006)

P-06-19

F. Yuan, W. Wang, M. Yang, X. J. Zhang, J. Y. Li, H. Li, B. L. He, B. Minch, G. Lieser, G. Wegner

Layered structure and order-to-disorder transition in a block codendrimer caused by intermolecular hydrogen bonds.

Macromolecules. **39(12)**, 3982-3985 (2006)

P-06-228

A. Zen, M. Saphiannikova, D. Neher, J. Grenzer, S. Grigorian, U. Pietsch, U. Asawapirom, S. Janietz, U. Scherf, I. Lieberwirth, G. Wegner

Effect of molecular weight on the structure and crystallinity of poly(3-hexylthiophene).

Macromolecules. **39(6)**, 2162-2171 (2006)

P-06-206