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List of Publications

1. Publications in journals and book contributions

- F. Bellucci, A. Terenzi, A. Leuteritz, D. Pospiech, A. Frache, G. Camino
"Intercalation degree of PP/organo-clay nanocomposites: role of surfactant structure"
Polymers for Advanced Technologies (subm., Jan. 2008)
- D. Fischer, D. Pospiech, U. Scheler, R. Navarro, M. Messori, P. Fabbri
"Monitoring of the Sol-Gel Synthesis of Organic-inorganic Hybrids by ATR/IR-, NIR- and Raman Spectroscopy"
Macromol. Symp. (subm., November 2007, accepted, January, 2008)
- D. Jehnichen, D. Pospiech, S. Ptacek, K. Eckstein, P. Friedel, A. Janke, A. Korwitz, C.M. Papadakis, A. Timman, S.S. Funari
"Investigation of nanostructured PPMA-PMMA diblock copolymer films"
HASYLAB Jahresbericht 2007, HASYLAB am DESY (Hamburg, 2008)
- D. Jehnichen, D. Pospiech, R. Keska, S. Ptacek, C. M. Papadakis
„Analysis of nanostructured BCP surfaces by GISAXS“
J. Nanostruct. Polym. Nanocomp. (JNPN) (subm., April 2007)
- D. Pospiech, D. Jehnichen, H. Komber, A. Korwitz, A. Janke, T. Hoffmann, B. Kretschmar, U. Reuter, M. Döring, S. Seibold, R. Perez-Graterol, J. K. W. Sandler, V. Altstädt, F. Bellucci, G. Camino
"New polymers for tailor-made nanocomposites"
J. Nanostruct. Polym. Nanocomp. (JNPN) (subm., April 2007)
- U. Schulze, D. Pospiech, H. Komber, L. Häußler, D. Voigt, M. Eschner
„Synthesis and properties of propene copolymers with ether comonomers“
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- D. Jehnichen D. Pospiech, L. Häußler, P. Friedel, S. S. Funari, J. Tsuwi, F. Kremer
„Microphase separation in semifluorinated polyesters“
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- T. Hoffmann, D. Pospiech, L. Häußler, P. Pötschke, U. Reuter, P. Werner, J. K. W. Sandler, M. Döring, V. Altstädt
„Properties of segmented Block Copolymers in PEEK/PSU Blends“
High Performance Polymers (accepted, November 2007)
- J. Tsuwi, L. Hartmann, F. Kremer, D. Pospiech, D. Jehnichen, L. Häußler
„Molecular dynamics in semifluorinated side-chain polysulfone as studied by broadband dielectric spectroscopy“
J. Appl. Polym. Sci. **105**, 201-207 (2007)

- R. M. Perez, J. Sandler, V. Altstädt, T. Hoffmann, D. Pospiech, J. Artner, M. Ciesielski, M. Döring, A. Balabanovich, U. Knoll, U. Braun, B. Schartel
„Novel phosphorus-containing hardeners with tailored chemical structures for epoxy resins: Synthesis and cured resin properties“
J. Appl. Polym. Sci. **105**, 2744-2759 (2007)
- M. Sangermano, B. Voit, E. Amerio, A. Di Gianni, A. Priola, D. Pospiech
“Hyperbranched polymers in cationic UV curing”
Macromol. Symp. **254**, 9-15 (2007)
- F. Pilati, M. Montecchi, P. Fabbri, A. Synytska, M. Messori, M. Toselli, K. Grundke, D. Pospiech
“Design of surface properties of PET films: influence of fluorinated block copolymers”
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“*In situ* synthesis of poly(ethylene terephthalate)/layered silicate nanocomposites by polycondensation”
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- B. Schartel, A. Balabanovich, U. Braun, U. Knoll, J. Artner, M. Ciesielski, M. Döring, R. Perez, J. Sandler, V. Altstädt, T. Hoffmann, D. Pospiech
„Pyrolysis of epoxy resins and fire behavior of epoxy resin composites flame-retarded with 9,10-Dihydro-9-oxa-10-phosphaphenanthrene-10-oxide additives“
J. Appl. Polym. Sci. **104**, 2260-2269 (2007)
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„Novel phosphorus-modified polysulfone as a combined flame retardant and toughness modifier for epoxy resins“
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„Exfoliation behaviour of Montmorillonite modified by poly(oxyalkylene)s in polypropylene and the properties of the resulting nanocomposites“
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- Th. Hoffmann, D. Pospiech, B. Kretzschmar, U. Reuter, L. Häußler, F. Eckert, R. Perez-Graterol, J.K.W. Sandler, V. Altstädt
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„Industry-Relevant Preparation, Characterization, and Applications of Polymer Nanocomposites”
(in: “Polymeric Nanostructures and Their Applications”, H. S. Nalwa, Ed., American Scientific Publishers, 25650 North Lewis Way, Stevenson Ranch, California 91381 - 1439, USA ISBN: 1 - 58883 - 070 – 5) **2**, 99 – 151 (2007)

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- T. Hoffmann, K. Sahre, D. Pospiech, D. Fischer, K.-J. Eichhorn, B. Voit, T. Long
 „Real-time monitoring of polycondensation reactions by ATR-FTIR spectroscopy”
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- R. Keska, D. Pospiech, K. Eckstein, D. Jehnichen, P. Friedel, K. Grundke, B. Voit
 “Nanostructured poly(pentyl methacrylat)-block-poly(methyl methacrylate) diblock copolymers: influence of the chemical structure on the wettability”
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- J. Tsuwi, L. Hartmann, F. Kremer, D. Pospiech, D. Jehnichen, L. Häußler
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D. Pospiech

Buchkapitel:

„Influencing the interface in polymer blends by compatibilization with block copolymers”,
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