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recent publications

[2001 – 2006]

status quo : May 2006

Veröffentlichungen in Zeitschriften (referiert)/ Publications in refereed journals

- 01) M. Eigner, H. Komber, B. Voit:
Macromol. Chem. Phys. **202**, 245-256 (2001) "Hyperbranched poly(triazene ester)s as novel globular photolabile and thermolabile polymers"
- 02) G. Maier, C. Zech, H. Komber, B. Voit:
International Science Publishers Tailored polymers and application (Eds. Y. Yagci, M.K. Mishra, O. Nuyken, K. Ito and G. Winek) (Buchbeitrag) 99-110 (2000) VSP,
„Perfectly branched hyperbranched polymers“, *Macromol. Symp.* **163**, 75-860 (2001)
- 03) J. Storsberg, P. Glöckner, M. Eigner, U. Schnöller, H. Ritter, O. Nuyken, B. Voit:
Designed Monomers and Polymers **4**, 9-17 (2001) "Cyclodextrins in polymer synthesis: photocrosslinkable films via free radical polymerization of methylated β -cyclodextrin-complexed styrene with sodium 4-(acrylamido)-phenyldiazosulfonate in aqueous medium"
- 04) F. Böhme, C. Clausnitzer, F. Gruber, S. Grutke, Th. Huber, P. Pötschke, B. Voit:
High Perform. Polym. **13**, 21-31 (2001) „Hyperbranched poly(ether amide)s via nucleophilic ring opening reaction of oxazolines“
- 05) O. Monticelli, A. Mariani, H. Komber, R. Mendichi, V. Pitto, D. Tabuani, S. Russo, B. Voit:
High Perform. Polym. **13**, 45-59 (2001) „Hyperbranched aramids by the A2 + B3 vs. AB2 approach: influence of the reaction conditions on structural development“

- 06) S. Wong, D. Appelhans, U. Scheler, B. Voit:
Macromolecules **34**, 678 - 680 (2001) "The effect of the scaling behavior on poly (ether amide) dendrons and dendrimers"
- 07) D. Beyerlein, G. Belge, K.J. Eichhorn, G. Gauglitz, K. Grundke, B. Voit:
Macromol. Symp. **164**, 117-131 (2001) "Preparation and Properties of Thin Films of Hyperbranched Polyesters with Different End groups"
- 08) H. v. Aert, M. Van Damme, O. Nuyken, U. Schnöller, K.-J. Eichhorn, K. Grundke, B. Voit:
Macromol. Mater. Eng. **286**, 488-496 (2001) "Imagewise structuring of diazosulfonate polymer films by UV light and laser irradiation - a comparison"
- 09) H. Komber, O. Monticelli, S. Russo, B. Voit:
Macromolecules **34**, 5487-5493 (2001) „The ¹H and ¹³C NMR Spectra of Hyperbranched Aromatic Polyamide from p-Phenylenediamine and Trimesic acid“
- 10) A. Kaya, L. Jakisch, H. Komber, D. Voigt, J. Pionteck, B. Voit:
Macromolecul. Rapid Commun. **22**, 972-977 (2001) „Synthesis of Various Functional Propylene Copolymers Using rac-Et[1-Ind]2ZrCl2/MAO as the Catalyst System“
- 11) Ch. Loppacher, S. Trogisch, F. Braun, A. Zherebov, S. Grafström, L.M. Eng, B. Voit:
Macromolecules **35**, 1936-1940 (2002) "Metal salt complexation of spin-coated ultrathin diazosulfonate terpolymer films"
- 12) D. Beyerlein, K.-J. Eichhorn, K. Grundke, D. Schmaljohann, T. Loontjens, B. Voit:
Chemie, Ingenieur, Technik **12**, 1592-1596 (2001) „Funktionelle hochverzweigte Polyester mit Anwendungen in Blends, Beschichtungen und in dünnen Filmen“
- 13) M. Eigner, K. Estel, J.W. Bartha, B. Voit:
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- 14) U. Oertel, D. Appelhans, P. Friedel, D. Jehnichen, H. Komber, B. Pilch, B. Händel, B. Voit :
Langmuir **18**, 105-111 (2002) „Excitation energy transfer between a first generation dendrimer and a pyrene derivative in LB multilayers“
- 15) H. Komber, A. Ziemer, B. Voit:
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- 16) M. Eigner, K. Estel, J. W. Bartha, B. Voit:
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- 21) A. Lederer, D. Voigt, C. Clausnitzer, B. Voit:
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- 22) S. Trogisch, Ch. Loppacher, F. Braun, St. Grafstroem, L. Eng, B. Voit:
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- 23) E. Onah, U. Oertel, L. Häußler, D. Voigt, C. Froeck, B. Voit:
European Polymer Journal **39**, 127-134 (2003)
„Fluorine containing poly (amide-imide)s: Synthesis and formation of Langmuir-Blodgett monolayers“
- 24) D. Schmaljohann, H. Komber, J. Barratt, D. Appelhans, B. Voit:
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- 25) A. F. Thünemann, B. Voit:
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- 26) K. Sharavanan, K.-J. Eichhorn, F. Böhme, B. Voit:
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- 27) O. Monticelli, C. Clausnitzer, D. Oliva, S. Russo, P. Pötschke, B. Voit:
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- 28) J. C. Rueda, H. Komber, J. C. Cedrón, G. Shevtsova, B. Voit:
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„Temperature-dependent studies of molecular interactions between a low-molecular weight ester diol and a hyperbranched polyester additive“,
- 31) F. Braun, L. Eng, S. Trogisch, B. Voit: *Macromol. Chem. Phys.* **204**, 1486-1496 (2003) „Novel Labile Protected Amine Terpolymers for the Preparation of Structured Functionalized Surfaces: Synthesis and Characterization“
- 32) J. Pionteck, P. Pötschke, N. Proske, H. Zhao, H. Malz, D. Beyerlein, U. Schulze, B. Voit: *Macromolecular Symposia* **198**, 209-220 (2003) “Morphology of Reactive PP/PS Blends with Hyperbranched Polymers”,
- 33) N. Islam, U. Lappan, B. Voit: *Melliand Textilberichte, International Textile Reports* **84** Heft 7-8, 638-642 und E111-E113 (2003) “Hydrophobierung von Polyester-Mikrofasergeweben mit Fluorcarbonen” (Hydrophobic treatment of polyester microfibers fabrics with fluorocarbons)
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“Poly(ether amide) Dendrimers via Nucleophilic Ring Opening Addition Reactions of Penol Groups towards Oxazolines – Synthesis and Characterization”
- 38) F. Braun, Ch. Loppacher, S. Trogisch, L. M. Eng, R. Seidel, A. Gorbunoff, W. Pompe, M. Mertig, B. Voit: *ACS Symposium Series* **874** (Polymers for Micro- and Nano-Electronics, ISSN 0097-6156), (2004), 118-128
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- 42) M. Abdelrehim, H. Komber, J. Langenwalter, B. Bruchmann, B. Voit:
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"Synthesis and Characterization of Hyperbranched Poly(urea-urethane)s Based on AA* and B₂B* Monomers"
- 43) Y. Mikhaylova, E. Pigorsch, K. Grundke, K.-J. Eichhorn, B. Voit:
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- 44) V. Bhadraiah Sadhu, J. Pionteck, D. Voigt, H. Komber, D. Fischer, B. Voit:
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"Synthesis and Characterization of Halogen-Free Amino-Functionalised Polymethyl Methacrylate by Atom Transfer Radical Polymerization (ATRP)"
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- 46) A. Scheel, H. Komber, B. Voit:
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- 47) P. Wu, A.K. Feldman, A. K. Nugent, C. J. Hawker, A. Scheel, J. Pyun, J.M.J. Fréchet, K. B. Sharpless, V. V. Fokin, B. Voit:
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- 50) Md. N. Islam, U. Lappan, F. Simon, B. Voit:
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"Hydrophobic Modification of Polyester Microfilament Fabric by Low-Pressure Plasma Treatment",
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- 61) A. Calvimontes, V. Dutschk, B. Breitzke, P. Offermann, B. Voit:
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- 71) M. Abd Elrehim, B. Bruchmann, K.-J. Eichhorn, K. Grundke, C. Bellmann, B. Voit:
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- 72) M. Yin, T. Krause, M. Messerschmidt, W. D. Habicher, B. Voit:
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- 73) S. Zschoche, H. Komber, D. Schmaljohann, J. Rueda, B. Voit:
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- 74) J. Tsuwi, D. Appelhans, St. Zschoche, R.-C. Zhuang, P. Friedel, F. Kremer, B. Voit:
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- 78) M.S. Vollprecht, F. Dieterle, St. Busche, G. Gauglitz, K.-J. Eichhorn, B. Voit:
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- 87) Y. Mikhailova, V. Dutschk, C. Bellmann, K. Grundke, K.-J. Eichhorn, B. Voit:
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1. Charaterisation of the properties and swelling behaviour of HBP-OH thin films

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- 1) Buch: Proceedings of the 8th Dresden Polymer Discussion: Synthesis of defined Polymer Architectures (23.-26.4.2001), *Macromol. Symp.* 2002, Band 177; Eds. B. Voit, F. Böhme, H.-J. Adler
- 2) Buch: *Polymer Synthesis: Theory and Practice, Fundamentals, Methods, Experiments*, 4th edition, Springer Berlin, Heidelberg, New York, 2005 (ISBN: 3-540-20770-8)
Eds. D. Braun, H. Cherdrón, M. Rehahn, H. Ritter, B. Voit
- 3) Buch: Elektronisches Lehrbuch "Dendritic Macromolecules as functional Nano-material" – Short Course NanofunPoly, 27. / 28. Januar 2005, Dresden
Eds. B. Voit