
Author Index Volumes 101–184

Author Index Volumes 1–100 see Volume 100

- de, Abajo, J. and de la Campa, J. G.*: Processable Aromatic Polyimides. Vol. 140, pp. 23–60.
- Abe, A., Furuya, H., Zhou, Z., Hiejima, T. and Kobayashi, Y.*: Stepwise Phase Transitions of Chain Molecules: Crystallization/Melting via a Nematic Liquid-Crystalline Phase. Vol. 181, pp. 121–152.
- Abetz, V.* see Förster, S.: Vol. 166, pp. 173–210.
- Adolf, D. B.* see Ediger, M. D.: Vol. 116, pp. 73–110.
- Aharoni, S. M. and Edwards, S. F.*: Rigid Polymer Networks. Vol. 118, pp. 1–231.
- Albertsson, A.-C. and Varma, I. K.*: Aliphatic Polyesters: Synthesis, Properties and Applications. Vol. 157, pp. 99–138.
- Albertsson, A.-C.* see Edlund, U.: Vol. 157, pp. 53–98.
- Albertsson, A.-C.* see Söderqvist Lindblad, M.: Vol. 157, pp. 139–161.
- Albertsson, A.-C.* see Stridsberg, K. M.: Vol. 157, pp. 27–51.
- Albertsson, A.-C.* see Al-Malaika, S.: Vol. 169, pp. 177–199.
- Al-Malaika, S.*: Perspectives in Stabilisation of Polyolefins. Vol. 169, pp. 121–150.
- Améduri, B., Boutevin, B. and Gramain, P.*: Synthesis of Block Copolymers by Radical Polymerization and Telomerization. Vol. 127, pp. 87–142.
- Améduri, B. and Boutevin, B.*: Synthesis and Properties of Fluorinated Telechelic Monodispersed Compounds. Vol. 102, pp. 133–170.
- Ameduri, B.* see Taguet, A.: Vol. 184, pp. 127–211.
- Amselem, S.* see Domb, A. J.: Vol. 107, pp. 93–142.
- Anantawaraskul, S., Soares, J. B. P. and Wood-Adams, P. M.*: Fractionation of Semicrystalline Polymers by Crystallization Analysis Fractionation and Temperature Rising Elution Fractionation. Vol. 182, pp. 1–54.
- Andrady, A. L.*: Wavelength Sensitivity in Polymer Photodegradation. Vol. 128, pp. 47–94.
- Andreis, M. and Koenig, J. L.*: Application of Nitrogen-15 NMR to Polymers. Vol. 124, pp. 191–238.
- Angiolini, L.* see Carlini, C.: Vol. 123, pp. 127–214.
- Anjum, N.* see Gupta, B.: Vol. 162, pp. 37–63.
- Anseth, K. S., Newman, S. M. and Bowman, C. N.*: Polymeric Dental Composites: Properties and Reaction Behavior of Multimethacrylate Dental Restorations. Vol. 122, pp. 177–218.
- Antonietti, M.* see Cölfen, H.: Vol. 150, pp. 67–187.
- Aoki, H.* see Ito, S.: Vol. 182, pp. 243–281.
- Armitage, B. A.* see O'Brien, D. F.: Vol. 126, pp. 53–58.
- Arndt, M.* see Kaminski, W.: Vol. 127, pp. 143–187.
- Arnold Jr., F. E. and Arnold, F. E.*: Rigid-Rod Polymers and Molecular Composites. Vol. 117, pp. 257–296.
- Arora, M.* see Kumar, M. N. V. R.: Vol. 160, pp. 45–118.
- Arshady, R.*: Polymer Synthesis via Activated Esters: A New Dimension of Creativity in Macromolecular Chemistry. Vol. 111, pp. 1–42.

- Auer, S. and Frenkel, D.*: Numerical Simulation of Crystal Nucleation in Colloids. Vol. 173, pp. 149–208.
- Auriemma, F., De Rosa, C. and Corradini, P.*: Solid Mesophases in Semicrystalline Polymers: Structural Analysis by Diffraction Techniques. Vol. 181, pp. 1–74.
- Bahar, I., Erman, B. and Monnerie, L.*: Effect of Molecular Structure on Local Chain Dynamics: Analytical Approaches and Computational Methods. Vol. 116, pp. 145–206.
- Ballauff, M.* see Dingenouts, N.: Vol. 144, pp. 1–48.
- Ballauff, M.* see Holm, C.: Vol. 166, pp. 1–27.
- Ballauff, M.* see Rühle, J.: Vol. 165, pp. 79–150.
- Baltá-Calleja, F. J., González Arche, A., Ezquerro, T. A., Santa Cruz, C., Batallón, F., Frick, B. and López Cabarcos, E.*: Structure and Properties of Ferroelectric Copolymers of Poly(vinylidene) Fluoride. Vol. 108, pp. 1–48.
- Baltussen, J. J. M.* see Northolt, M. G.: Vol. 178, (in press).
- Barnes, M. D.* see Otaigbe, J. U.: Vol. 154, pp. 1–86.
- Barshtein, G. R. and Sabsai, O. Y.*: Compositions with Mineralorganic Fillers. Vol. 101, pp. 1–28.
- Barton, J.* see Hunkeler, D.: Vol. 112, pp. 115–134.
- Baschnagel, J., Binder, K., Doruker, P., Gusev, A. A., Hahn, O., Kremer, K., Mattice, W. L., Müller-Plathe, F., Murat, M., Paul, W., Santos, S., Sutter, U. W. and Tries, V.*: Bridging the Gap Between Atomistic and Coarse-Grained Models of Polymers: Status and Perspectives. Vol. 152, pp. 41–156.
- Bassett, D. C.*: On the Role of the Hexagonal Phase in the Crystallization of Polyethylene. Vol. 180, pp. 1–16.
- Batallón, F.* see Baltá-Calleja, F. J.: Vol. 108, pp. 1–48.
- Batog, A. E., Pet'ko, I. P. and Penczek, P.*: Aliphatic-Cycloaliphatic Epoxy Compounds and Polymers. Vol. 144, pp. 49–114.
- Baughman, T. W. and Wagener, K. B.*: Recent Advances in ADMET Polymerization. Vol. 176, pp. 1–42.
- Becker, O. and Simon, G. P.*: Epoxy Layered Silicate Nanocomposites. Vol. 179, pp. 29–82.
- Bell, C. L. and Peppas, N. A.*: Biomedical Membranes from Hydrogels and Interpolymer Complexes. Vol. 122, pp. 125–176.
- Bellon-Maurel, A.* see Calmon-Decriaud, A.: Vol. 135, pp. 207–226.
- Bennett, D. E.* see O'Brien, D. F.: Vol. 126, pp. 53–84.
- Berry, G. C.*: Static and Dynamic Light Scattering on Moderately Concentrated Solutions: Isotropic Solutions of Flexible and Rodlike Chains and Nematic Solutions of Rodlike Chains. Vol. 114, pp. 233–290.
- Bershtein, V. A. and Ryzhov, V. A.*: Far Infrared Spectroscopy of Polymers. Vol. 114, pp. 43–122.
- Bhargava, R., Wang, S.-Q. and Koenig, J. L.*: FTIR Microspectroscopy of Polymeric Systems. Vol. 163, pp. 137–191.
- Biesalski, M.* see Rühle, J.: Vol. 165, pp. 79–150.
- Bigg, D. M.*: Thermal Conductivity of Heterophase Polymer Compositions. Vol. 119, pp. 1–30.
- Binder, K.*: Phase Transitions in Polymer Blends and Block Copolymer Melts: Some Recent Developments. Vol. 112, pp. 115–134.
- Binder, K.*: Phase Transitions of Polymer Blends and Block Copolymer Melts in Thin Films. Vol. 138, pp. 1–90.
- Binder, K.* see Baschnagel, J.: Vol. 152, pp. 41–156.
- Binder, K., Müller, M., Virnau, P. and González MacDowell, L.*: Polymer+Solvent Systems: Phase Diagrams, Interface Free Energies, and Nucleation. Vol. 173, pp. 1–104.

- Bird, R. B.* see Curtiss, C. F.: Vol. 125, pp. 1–102.
- Biswas, M.* and *Mukherjee, A.*: Synthesis and Evaluation of Metal-Containing Polymers. Vol. 115, pp. 89–124.
- Biswas, M.* and *Sinha Ray, S.*: Recent Progress in Synthesis and Evaluation of Polymer-Montmorillonite Nanocomposites. Vol. 155, pp. 167–221.
- Blankenburg, L.* see Klemm, E.: Vol. 177, pp. 53–90.
- Blumen, A.* see Gurtovenko, A. A.: Vol. 182, pp. 131–242.
- Bogdal, D., Penczek, P., Pielichowski, J.* and *Prociak, A.*: Microwave Assisted Synthesis, Crosslinking, and Processing of Polymeric Materials. Vol. 163, pp. 193–263.
- Bohrisch, J., Eisenbach, C. D., Jaeger, W., Mori, H., Müller, A. H. E., Rehahn, M., Schaller, C., Traser, S.* and *Wittmeyer, P.*: New Polyelectrolyte Architectures. Vol. 165, pp. 1–41.
- Bolze, J.* see Dingenouts, N.: Vol. 144, pp. 1–48.
- Bosshard, C.*: see Gubler, U.: Vol. 158, pp. 123–190.
- Boutevin, B.* and *Robin, J. J.*: Synthesis and Properties of Fluorinated Diols. Vol. 102, pp. 105–132.
- Boutevin, B.* see Améduri, B.: Vol. 102, pp. 133–170.
- Boutevin, B.* see Améduri, B.: Vol. 127, pp. 87–142.
- Boutevin, B.* see Guida-Pietrasanta, F.: Vol. 179, pp. 1–27.
- Boutevin, B.* see Taguet, A.: Vol. 184, pp. 127–211.
- Bowman, C. N.* see Anseth, K. S.: Vol. 122, pp. 177–218.
- Boyd, R. H.*: Prediction of Polymer Crystal Structures and Properties. Vol. 116, pp. 1–26.
- Bracco, S.* see Sozzani, P.: Vol. 181, pp. 153–177.
- Briber, R. M.* see Hedrick, J. L.: Vol. 141, pp. 1–44.
- Bronnikov, S. V., Vettegren, V. I.* and *Frenkel, S. Y.*: Kinetics of Deformation and Relaxation in Highly Oriented Polymers. Vol. 125, pp. 103–146.
- Brown, H. R.* see Creton, C.: Vol. 156, pp. 53–135.
- Bruza, K. J.* see Kirchhoff, R. A.: Vol. 117, pp. 1–66.
- Buchmeiser, M. R.*: Regioselective Polymerization of 1-Alkynes and Stereoselective Cyclopolymerization of α , ω -Heptadiynes. Vol. 176, pp. 89–119.
- Budkowski, A.*: Interfacial Phenomena in Thin Polymer Films: Phase Coexistence and Segregation. Vol. 148, pp. 1–112.
- Bunz, U. H. F.*: Synthesis and Structure of PAEs. Vol. 177, pp. 1–52.
- Burban, J. H.* see Cussler, E. L.: Vol. 110, pp. 67–80.
- Burchard, W.*: Solution Properties of Branched Macromolecules. Vol. 143, pp. 113–194.
- Butté, A.* see Schork, F. J.: Vol. 175, pp. 129–255.
- Calmon-Decriaud, A., Bellon-Maurel, V., Silvestre, F.*: Standard Methods for Testing the Aerobic Biodegradation of Polymeric Materials. Vol. 135, pp. 207–226.
- Cameron, N. R.* and *Sherrington, D. C.*: High Internal Phase Emulsions (HIPEs)-Structure, Properties and Use in Polymer Preparation. Vol. 126, pp. 163–214.
- de la Campa, J. G.* see de Abajo, J.: Vol. 140, pp. 23–60.
- Candau, F.* see Hunkeler, D.: Vol. 112, pp. 115–134.
- Canelas, D. A.* and *DeSimone, J. M.*: Polymerizations in Liquid and Supercritical Carbon Dioxide. Vol. 133, pp. 103–140.
- Canva, M.* and *Stegeman, G. I.*: Quadratic Parametric Interactions in Organic Waveguides. Vol. 158, pp. 87–121.
- Capek, I.*: Kinetics of the Free-Radical Emulsion Polymerization of Vinyl Chloride. Vol. 120, pp. 135–206.
- Capek, I.*: Radical Polymerization of Polyoxyethylene Macromonomers in Disperse Systems. Vol. 145, pp. 1–56.

- Capek, I. and Chern, C.-S.*: Radical Polymerization in Direct Mini-Emulsion Systems. Vol. 155, pp. 101–166.
- Cappella, B.* see Munz, M.: Vol. 164, pp. 87–210.
- Carlesso, G.* see Prokop, A.: Vol. 160, pp. 119–174.
- Carlini, C. and Angiolini, L.*: Polymers as Free Radical Photoinitiators. Vol. 123, pp. 127–214.
- Carter, K. R.* see Hedrick, J. L.: Vol. 141, pp. 1–44.
- Casas-Vazquez, J.* see Jou, D.: Vol. 120, pp. 207–266.
- Chandrasekhar, V.*: Polymer Solid Electrolytes: Synthesis and Structure. Vol. 135, pp. 139–206.
- Chang, J. Y.* see Han, M. J.: Vol. 153, pp. 1–36.
- Chang, T.*: Recent Advances in Liquid Chromatography Analysis of Synthetic Polymers. Vol. 163, pp. 1–60.
- Charleux, B. and Faust, R.*: Synthesis of Branched Polymers by Cationic Polymerization. Vol. 142, pp. 1–70.
- Chen, P.* see Jaffe, M.: Vol. 117, pp. 297–328.
- Chern, C.-S.* see Capek, I.: Vol. 155, pp. 101–166.
- Chevolot, Y.* see Mathieu, H. J.: Vol. 162, pp. 1–35.
- Choe, E.-W.* see Jaffe, M.: Vol. 117, pp. 297–328.
- Chow, P. Y. and Gan, L. M.*: Microemulsion Polymerizations and Reactions. Vol. 175, pp. 257–298.
- Chow, T. S.*: Glassy State Relaxation and Deformation in Polymers. Vol. 103, pp. 149–190.
- Chujo, Y.* see Uemura, T.: Vol. 167, pp. 81–106.
- Chung, S.-J.* see Lin, T.-C.: Vol. 161, pp. 157–193.
- Chung, T.-S.* see Jaffe, M.: Vol. 117, pp. 297–328.
- Clarke, N.*: Effect of Shear Flow on Polymer Blends. Vol. 183, pp. 127–173.
- Cölfen, H. and Antonietti, M.*: Field-Flow Fractionation Techniques for Polymer and Colloid Analysis. Vol. 150, pp. 67–187.
- Colmenero, J.* see Richter, D.: Vol. 174, (in press).
- Comanita, B.* see Roovers, J.: Vol. 142, pp. 179–228.
- Comotti, A.* see Sozzani, P.: Vol. 181, pp. 153–177.
- Connell, J. W.* see Hergenrother, P. M.: Vol. 117, pp. 67–110.
- Corradini, P.* see Auriemma, F.: Vol. 181, pp. 1–74.
- Creton, C., Kramer, E. J., Brown, H. R. and Hui, C.-Y.*: Adhesion and Fracture of Interfaces Between Immiscible Polymers: From the Molecular to the Continuum Scale. Vol. 156, pp. 53–135.
- Criado-Sancho, M.* see Jou, D.: Vol. 120, pp. 207–266.
- Curro, J. G.* see Schweizer, K. S.: Vol. 116, pp. 319–378.
- Curtiss, C. F. and Bird, R. B.*: Statistical Mechanics of Transport Phenomena: Polymeric Liquid Mixtures. Vol. 125, pp. 1–102.
- Cussler, E. L., Wang, K. L. and Burban, J. H.*: Hydrogels as Separation Agents. Vol. 110, pp. 67–80.
- Czub, P.* see Penczek, P.: Vol. 184, pp. 1–95.
- Dalton, L.*: Nonlinear Optical Polymeric Materials: From Chromophore Design to Commercial Applications. Vol. 158, pp. 1–86.
- Dautzenberg, H.* see Holm, C.: Vol. 166, pp. 113–171.
- Davidson, J. M.* see Prokop, A.: Vol. 160, pp. 119–174.
- Den Decker, M. G.* see Northolt, M. G.: Vol. 178, (in press).
- Desai, S. M. and Singh, R. P.*: Surface Modification of Polyethylene. Vol. 169, pp. 231–293.
- DeSimone, J. M.* see Canelas, D. A.: Vol. 133, pp. 103–140.

- DeSimone, J. M.* see Kennedy, K. A.: Vol. 175, pp. 329–346.
- DiMari, S.* see Prokop, A.: Vol. 136, pp. 1–52.
- Dimonie, M. V.* see Hunkeler, D.: Vol. 112, pp. 115–134.
- Dingenouts, N., Bolze, J., Pötschke, D.* and *Ballauf, M.*: Analysis of Polymer Latexes by Small-Angle X-Ray Scattering. Vol. 144, pp. 1–48.
- Dodd, L. R.* and *Theodorou, D. N.*: Atomistic Monte Carlo Simulation and Continuum Mean Field Theory of the Structure and Equation of State Properties of Alkane and Polymer Melts. Vol. 116, pp. 249–282.
- Doelker, E.*: Cellulose Derivatives. Vol. 107, pp. 199–266.
- Dolden, J. G.*: Calculation of a Mesogenic Index with Emphasis Upon LC-Polyimides. Vol. 141, pp. 189–245.
- Domb, A. J., Amselem, S., Shah, J.* and *Maniar, M.*: Polyanhydrides: Synthesis and Characterization. Vol. 107, pp. 93–142.
- Domb, A. J.* see Kumar, M. N. V. R.: Vol. 160, pp. 45–118.
- Doruker, P.* see Baschnagel, J.: Vol. 152, pp. 41–156.
- Dubois, P.* see Mecerreyes, D.: Vol. 147, pp. 1–60.
- Dubrovskii, S. A.* see Kazanskii, K. S.: Vol. 104, pp. 97–134.
- Dudowicz, J.* see Freed, K. F.: Vol. 183, pp. 63–126.
- Dunkin, I. R.* see Steinke, J.: Vol. 123, pp. 81–126.
- Dunson, D. L.* see McGrath, J. E.: Vol. 140, pp. 61–106.
- Dziezok, P.* see Rühe, J.: Vol. 165, pp. 79–150.
- Eastmond, G. C.*: Poly(*e*-caprolactone) Blends. Vol. 149, pp. 59–223.
- Economy, J.* and *Goranov, K.*: Thermotropic Liquid Crystalline Polymers for High Performance Applications. Vol. 117, pp. 221–256.
- Ediger, M. D.* and *Adolf, D. B.*: Brownian Dynamics Simulations of Local Polymer Dynamics. Vol. 116, pp. 73–110.
- Edlund, U.* and *Albertsson, A.-C.*: Degradable Polymer Microspheres for Controlled Drug Delivery. Vol. 157, pp. 53–98.
- Edwards, S. F.* see Aharoni, S. M.: Vol. 118, pp. 1–231.
- Eisenbach, C. D.* see Bohrisch, J.: Vol. 165, pp. 1–41.
- Endo, T.* see Yagci, Y.: Vol. 127, pp. 59–86.
- Engelhardt, H.* and *Grosche, O.*: Capillary Electrophoresis in Polymer Analysis. Vol. 150, pp. 189–217.
- Engelhardt, H.* and *Martin, H.*: Characterization of Synthetic Polyelectrolytes by Capillary Electrophoretic Methods. Vol. 165, pp. 211–247.
- Eriksson, P.* see Jacobson, K.: Vol. 169, pp. 151–176.
- Erman, B.* see Bahar, I.: Vol. 116, pp. 145–206.
- Eschner, M.* see Spange, S.: Vol. 165, pp. 43–78.
- Estel, K.* see Spange, S.: Vol. 165, pp. 43–78.
- Ewen, B.* and *Richter, D.*: Neutron Spin Echo Investigations on the Segmental Dynamics of Polymers in Melts, Networks and Solutions. Vol. 134, pp. 1–130.
- Ezquerria, T. A.* see Baltá-Calleja, F. J.: Vol. 108, pp. 1–48.
- Fatkullin, N.* see Kimmich, R.: Vol. 170, pp. 1–113.
- Faust, R.* see Charleux, B.: Vol. 142, pp. 1–70.
- Faust, R.* see Kwon, Y.: Vol. 167, pp. 107–135.
- Fekete, E.* see Pukánszky, B.: Vol. 139, pp. 109–154.
- Fendler, J. H.*: Membrane-Mimetic Approach to Advanced Materials. Vol. 113, pp. 1–209.
- Fetters, L. J.* see Xu, Z.: Vol. 120, pp. 1–50.

- Fontenot, K.* see Schork, F. J.: Vol. 175, pp. 129–255.
- Förster, S., Abetz, V. and Müller, A. H. E.:* Polyelectrolyte Block Copolymer Micelles. Vol. 166, pp. 173–210.
- Förster, S. and Schmidt, M.:* Polyelectrolytes in Solution. Vol. 120, pp. 51–134.
- Freed, K. F. and Dudowicz, J.:* Influence of Monomer Molecular Structure on the Miscibility of Polymer Blends. Vol. 183, pp. 63–126.
- Freire, J. J.:* Conformational Properties of Branched Polymers: Theory and Simulations. Vol. 143, pp. 35–112.
- Frenkel, S. Y.* see Bronnikov, S. V.: Vol. 125, pp. 103–146.
- Frick, B.* see Baltá-Calleja, F. J.: Vol. 108, pp. 1–48.
- Fridman, M. L.:* see Terent'eva, J. P.: Vol. 101, pp. 29–64.
- Fuchs, G.* see Trimmel, G.: Vol. 176, pp. 43–87.
- Fukui, K.* see Otaigbe, J. U.: Vol. 154, pp. 1–86.
- Funke, W.:* Microgels-Intramolecularly Crosslinked Macromolecules with a Globular Structure. Vol. 136, pp. 137–232.
- Furusho, Y.* see Takata, T.: Vol. 171, pp. 1–75.
- Furuya, H.* see Abe, A.: Vol. 181, pp. 121–152.
- Galina, H.:* Mean-Field Kinetic Modeling of Polymerization: The Smoluchowski Coagulation Equation. Vol. 137, pp. 135–172.
- Gan, L. M.* see Chow, P. Y.: Vol. 175, pp. 257–298.
- Ganesh, K.* see Kishore, K.: Vol. 121, pp. 81–122.
- Gaw, K. O. and Kakimoto, M.:* Polyimide-Epoxy Composites. Vol. 140, pp. 107–136.
- Geckeler, K. E.* see Rivas, B.: Vol. 102, pp. 171–188.
- Geckeler, K. E.:* Soluble Polymer Supports for Liquid-Phase Synthesis. Vol. 121, pp. 31–80.
- Gedde, U. W. and Mattozzi, A.:* Polyethylene Morphology. Vol. 169, pp. 29–73.
- Gehrke, S. H.:* Synthesis, Equilibrium Swelling, Kinetics Permeability and Applications of Environmentally Responsive Gels. Vol. 110, pp. 81–144.
- Geil, P. H., Yang, J., Williams, R. A., Petersen, K. L., Long, T.-C. and Xu, P.:* Effect of Molecular Weight and Melt Time and Temperature on the Morphology of Poly(tetrafluorethylene). Vol. 180, pp. 89–159.
- de Gennes, P.-G.:* Flexible Polymers in Nanopores. Vol. 138, pp. 91–106.
- Georgiou, S.:* Laser Cleaning Methodologies of Polymer Substrates. Vol. 168, pp. 1–49.
- Geuss, M.* see Munz, M.: Vol. 164, pp. 87–210.
- Giannelis, E. P., Krishnamoorti, R. and Manias, E.:* Polymer-Silicate Nanocomposites: Model Systems for Confined Polymers and Polymer Brushes. Vol. 138, pp. 107–148.
- Godovsky, D. Y.:* Device Applications of Polymer-Nanocomposites. Vol. 153, pp. 163–205.
- Godovsky, D. Y.:* Electron Behavior and Magnetic Properties Polymer-Nanocomposites. Vol. 119, pp. 79–122.
- González Arche, A.* see Baltá-Calleja, F. J.: Vol. 108, pp. 1–48.
- Goranov, K.* see Economy, J.: Vol. 117, pp. 221–256.
- Gramain, P.* see Améduri, B.: Vol. 127, pp. 87–142.
- Grest, G. S.:* Normal and Shear Forces Between Polymer Brushes. Vol. 138, pp. 149–184.
- Grigorescu, G. and Kulicke, W.-M.:* Prediction of Viscoelastic Properties and Shear Stability of Polymers in Solution. Vol. 152, p. 1–40.
- Gröhn, F.* see Rühle, J.: Vol. 165, pp. 79–150.
- Grosberg, A. and Nechaev, S.:* Polymer Topology. Vol. 106, pp. 1–30.
- Grosche, O.* see Engelhardt, H.: Vol. 150, pp. 189–217.
- Grubbs, R., Risse, W. and Novac, B.:* The Development of Well-defined Catalysts for Ring-Opening Olefin Metathesis. Vol. 102, pp. 47–72.

- Gubler, U. and Bosshard, C.:* Molecular Design for Third-Order Nonlinear Optics. Vol. 158, pp. 123–190.
- Guida-Pietrasanta, F. and Boutevin, B.:* Polysilalkylene or Silarylene Siloxanes Said Hybrid Silicones. Vol. 179, pp. 1–27.
- van Gunsteren, W. F.* see Gusev, A. A.: Vol. 116, pp. 207–248.
- Gupta, B. and Anjum, N.:* Plasma and Radiation-Induced Graft Modification of Polymers for Biomedical Applications. Vol. 162, pp. 37–63.
- Gurtovenko, A. A. and Blumen, A.:* Generalized Gaussian Structures: Models for Polymer Systems with Complex Topologies. Vol. 182, pp. 131–242.
- Gusev, A. A., Müller-Plathe, F., van Gunsteren, W. F. and Suter, U. W.:* Dynamics of Small Molecules in Bulk Polymers. Vol. 116, pp. 207–248.
- Gusev, A. A.* see Baschnagel, J.: Vol. 152, pp. 41–156.
- Guillot, J.* see Hunkeler, D.: Vol. 112, pp. 115–134.
- Guyot, A. and Tauer, K.:* Reactive Surfactants in Emulsion Polymerization. Vol. 111, pp. 43–66.
- Hadjichristidis, N., Pispas, S., Pitsikalis, M., Iatrou, H. and Vlahos, C.:* Asymmetric Star Polymers Synthesis and Properties. Vol. 142, pp. 71–128.
- Hadjichristidis, N.* see Xu, Z.: Vol. 120, pp. 1–50.
- Hadjichristidis, N.* see Pitsikalis, M.: Vol. 135, pp. 1–138.
- Hahn, O.* see Baschnagel, J.: Vol. 152, pp. 41–156.
- Hakkarainen, M.:* Aliphatic Polyesters: Abiotic and Biotic Degradation and Degradation Products. Vol. 157, pp. 1–26.
- Hakkarainen, M. and Albertsson, A.-C.:* Environmental Degradation of Polyethylene. Vol. 169, pp. 177–199.
- Hall, H. K.* see Penelle, J.: Vol. 102, pp. 73–104.
- Hamley, I. W.:* Crystallization in Block Copolymers. Vol. 148, pp. 113–138.
- Hammouda, B.:* SANS from Homogeneous Polymer Mixtures: A Unified Overview. Vol. 106, pp. 87–134.
- Han, M. J. and Chang, J. Y.:* Polynucleotide Analogues. Vol. 153, pp. 1–36.
- Harada, A.:* Design and Construction of Supramolecular Architectures Consisting of Cyclodextrins and Polymers. Vol. 133, pp. 141–192.
- Haralson, M. A.* see Prokop, A.: Vol. 136, pp. 1–52.
- Hasegawa, N.* see Usuki, A.: Vol. 179, pp. 135–195.
- Hassan, C. M. and Peppas, N. A.:* Structure and Applications of Poly(vinyl alcohol) Hydrogels Produced by Conventional Crosslinking or by Freezing/Thawing Methods. Vol. 153, pp. 37–65.
- Hawker, C. J.:* Dendritic and Hyperbranched Macromolecules Precisely Controlled Macromolecular Architectures. Vol. 147, pp. 113–160.
- Hawker, C. J.* see Hedrick, J. L.: Vol. 141, pp. 1–44.
- He, G. S.* see Lin, T.-C.: Vol. 161, pp. 157–193.
- Hedrick, J. L., Carter, K. R., Labadie, J. W., Miller, R. D., Volksen, W., Hawker, C. J., Yoon, D. Y., Russell, T. P., McGrath, J. E. and Briber, R. M.:* Nanoporous Polyimides. Vol. 141, pp. 1–44.
- Hedrick, J. L., Labadie, J. W., Volksen, W. and Hilborn, J. G.:* Nanoscopically Engineered Polyimides. Vol. 147, pp. 61–112.
- Hedrick, J. L.* see Hergenrother, P. M.: Vol. 117, pp. 67–110.
- Hedrick, J. L.* see Kiefer, J.: Vol. 147, pp. 161–247.
- Hedrick, J. L.* see McGrath, J. E.: Vol. 140, pp. 61–106.
- Heine, D. R., Grest, G. S. and Curro, J. G.:* Structure of Polymer Melts and Blends: Comparison of Integral Equation theory and Computer Simulation. Vol. 173, pp. 209–249.

- Heinrich, G. and Klüppel, M.*: Recent Advances in the Theory of Filler Networking in Elastomers. Vol. 160, pp. 1–44.
- Heller, J.*: Poly (Ortho Esters). Vol. 107, pp. 41–92.
- Helm, C. A.* see Möhwald, H.: Vol. 165, pp. 151–175.
- Hemielec, A. A.* see Hunkeler, D.: Vol. 112, pp. 115–134.
- Hergenrother, P. M., Connell, J. W., Labadie, J. W. and Hedrick, J. L.*: Poly(arylene ether)s Containing Heterocyclic Units. Vol. 117, pp. 67–110.
- Hernández-Barajas, J.* see Wandrey, C.: Vol. 145, pp. 123–182.
- Hervet, H.* see Léger, L.: Vol. 138, pp. 185–226.
- Hiejima, T.* see Abe, A.: Vol. 181, pp. 121–152.
- Hilborn, J. G.* see Hedrick, J. L.: Vol. 147, pp. 61–112.
- Hilborn, J. G.* see Kiefer, J.: Vol. 147, pp. 161–247.
- Hillborg, H.* see Vancso, G. J.: Vol. 182, pp. 55–129.
- Hiramatsu, N.* see Matsushige, M.: Vol. 125, pp. 147–186.
- Hirasa, O.* see Suzuki, M.: Vol. 110, pp. 241–262.
- Hirotsu, S.*: Coexistence of Phases and the Nature of First-Order Transition in Poly-N-isopropylacrylamide Gels. Vol. 110, pp. 1–26.
- Höcker, H.* see Klee, D.: Vol. 149, pp. 1–57.
- Holm, C., Hofmann, T., Joanny, J. F., Kremer, K., Netz, R. R., Reineker, P., Seidel, C., Vilgis, T. A. and Winkler, R. G.*: Polyelectrolyte Theory. Vol. 166, pp. 67–111.
- Holm, C., Rehahn, M., Oppermann, W. and Ballauff, M.*: Stiff-Chain Polyelectrolytes. Vol. 166, pp. 1–27.
- Hornsby, P.*: Rheology, Compounding and Processing of Filled Thermoplastics. Vol. 139, pp. 155–216.
- Houbenov, N.* see Rühle, J.: Vol. 165, pp. 79–150.
- Huber, K.* see Volk, N.: Vol. 166, pp. 29–65.
- Hugenberg, N.* see Rühle, J.: Vol. 165, pp. 79–150.
- Hui, C.-Y.* see Creton, C.: Vol. 156, pp. 53–135.
- Hult, A., Johansson, M. and Malmström, E.*: Hyperbranched Polymers. Vol. 143, pp. 1–34.
- Hünenberger, P. H.*: Thermostat Algorithms for Molecular-Dynamics Simulations. Vol. 173, pp. 105–147.
- Hunkeler, D., Candau, F., Pichot, C., Hemielec, A. E., Xie, T. Y., Barton, J., Vaskova, V., Guillot, J., Dimonie, M. V. and Reichert, K. H.*: Heterophase Polymerization: A Physical and Kinetic Comparison and Categorization. Vol. 112, pp. 115–134.
- Hunkeler, D.* see Macko, T.: Vol. 163, pp. 61–136.
- Hunkeler, D.* see Prokop, A.: Vol. 136, pp. 1–52; 53–74.
- Hunkeler, D.* see Wandrey, C.: Vol. 145, pp. 123–182.
- Iatrou, H.* see Hadjichristidis, N.: Vol. 142, pp. 71–128.
- Ichikawa, T.* see Yoshida, H.: Vol. 105, pp. 3–36.
- Ihara, E.* see Yasuda, H.: Vol. 133, pp. 53–102.
- Ikada, Y.* see Uyama, Y.: Vol. 137, pp. 1–40.
- Ikehara, T.* see Jinnuai, H.: Vol. 170, pp. 115–167.
- Ilavsky, M.*: Effect on Phase Transition on Swelling and Mechanical Behavior of Synthetic Hydrogels. Vol. 109, pp. 173–206.
- Imai, Y.*: Rapid Synthesis of Polyimides from Nylon-Salt Monomers. Vol. 140, pp. 1–23.
- Inomata, H.* see Saito, S.: Vol. 106, pp. 207–232.
- Inoue, S.* see Sugimoto, H.: Vol. 146, pp. 39–120.
- Irie, M.*: Stimuli-Responsive Poly(N-isopropylacrylamide), Photo- and Chemical-Induced Phase Transitions. Vol. 110, pp. 49–66.

- Ise, N.* see *Matsuoka, H.*: Vol. 114, pp. 187–232.
- Ishikawa, T.*: Advances in Inorganic Fibers. Vol. 178, (in press).
- Ito, H.*: Chemical Amplification Resists for Microlithography. Vol. 172, pp. 37–245.
- Ito, K.* and *Kawaguchi, S.*: Poly(macromonomers), Homo- and Copolymerization. Vol. 142, pp. 129–178.
- Ito, K.* see *Kawaguchi, S.*: Vol. 175, pp. 299–328.
- Ito, S.* and *Aoki, H.*: Nano-Imaging of Polymers by Optical Microscopy. Vol. 182, pp. 243–281.
- Ito, Y.* see *Suginome, M.*: Vol. 171, pp. 77–136.
- Ivanov, A. E.* see *Zubov, V. P.*: Vol. 104, pp. 135–176.
- Jacob, S.* and *Kennedy, J.*: Synthesis, Characterization and Properties of OCTA-ARM Polyisobutylene-Based Star Polymers. Vol. 146, pp. 1–38.
- Jacobson, K., Eriksson, P., Reitberger, T.* and *Stenberg, B.*: Chemiluminescence as a Tool for Polyolefin. Vol. 169, pp. 151–176.
- Jaeger, W.* see *Bohrisch, J.*: Vol. 165, pp. 1–41.
- Jaffe, M., Chen, P., Choe, E.-W., Chung, T.-S.* and *Makhija, S.*: High Performance Polymer Blends. Vol. 117, pp. 297–328.
- Jancar, J.*: Structure-Property Relationships in Thermoplastic Matrices. Vol. 139, pp. 1–66.
- Jen, A. K.-Y.* see *Kajzar, F.*: Vol. 161, pp. 1–85.
- Jerome, R.* see *Mecerreyes, D.*: Vol. 147, pp. 1–60.
- de Jeu, W. H.* see *Li, L.*: Vol. 181, pp. 75–120.
- Jiang, M., Li, M., Xiang, M.* and *Zhou, H.*: Interpolymer Complexation and Miscibility and Enhancement by Hydrogen Bonding. Vol. 146, pp. 121–194.
- Jin, J.* see *Shim, H.-K.*: Vol. 158, pp. 191–241.
- Jinnai, H., Nishikawa, Y., Ikehara, T.* and *Nishi, T.*: Emerging Technologies for the 3D Analysis of Polymer Structures. Vol. 170, pp. 115–167.
- Jo, W. H.* and *Yang, J. S.*: Molecular Simulation Approaches for Multiphase Polymer Systems. Vol. 156, pp. 1–52.
- Joanny, J.-F.* see *Holm, C.*: Vol. 166, pp. 67–111.
- Joanny, J.-F.* see *Thünemann, A. F.*: Vol. 166, pp. 113–171.
- Johannsmann, D.* see *Rühe, J.*: Vol. 165, pp. 79–150.
- Johansson, M.* see *Hult, A.*: Vol. 143, pp. 1–34.
- Joos-Müller, B.* see *Funke, W.*: Vol. 136, pp. 137–232.
- Jou, D., Casas-Vazquez, J.* and *Criado-Sancho, M.*: Thermodynamics of Polymer Solutions under Flow: Phase Separation and Polymer Degradation. Vol. 120, pp. 207–266.
- Kaetsu, I.*: Radiation Synthesis of Polymeric Materials for Biomedical and Biochemical Applications. Vol. 105, pp. 81–98.
- Kaji, K.* see *Kanaya, T.*: Vol. 154, pp. 87–141.
- Kajzar, F., Lee, K.-S.* and *Jen, A. K.-Y.*: Polymeric Materials and their Orientation Techniques for Second-Order Nonlinear Optics. Vol. 161, pp. 1–85.
- Kakimoto, M.* see *Gaw, K. O.*: Vol. 140, pp. 107–136.
- Kaminski, W.* and *Arndt, M.*: Metallocenes for Polymer Catalysis. Vol. 127, pp. 143–187.
- Kammer, H. W., Kressler, H.* and *Kummerloewe, C.*: Phase Behavior of Polymer Blends – Effects of Thermodynamics and Rheology. Vol. 106, pp. 31–86.
- Kanaya, T.* and *Kaji, K.*: Dynamics in the Glassy State and Near the Glass Transition of Amorphous Polymers as Studied by Neutron Scattering. Vol. 154, pp. 87–141.
- Kandyrin, L. B.* and *Kuleznev, V. N.*: The Dependence of Viscosity on the Composition of Concentrated Dispersions and the Free Volume Concept of Disperse Systems. Vol. 103, pp. 103–148.

- Kaneko, M.* see Ramaraj, R.: Vol. 123, pp. 215–242.
- Kang, E. T., Neoh, K. G. and Tan, K. L.:* X-Ray Photoelectron Spectroscopic Studies of Electroactive Polymers. Vol. 106, pp. 135–190.
- Karlsson, S.* see Söderqvist Lindblad, M.: Vol. 157, pp. 139–161.
- Karlsson, S.:* Recycled Polyolefins. Material Properties and Means for Quality Determination. Vol. 169, pp. 201–229.
- Kato, K.* see Uyama, Y.: Vol. 137, pp. 1–40.
- Kato, M.* see Usuki, A.: Vol. 179, pp. 135–195.
- Kautek, W.* see Krüger, J.: Vol. 168, pp. 247–290.
- Kawaguchi, S.* see Ito, K.: Vol. 142, pp. 129–178.
- Kawaguchi, S. and Ito, K.:* Dispersion Polymerization. Vol. 175, pp. 299–328.
- Kawata, S.* see Sun, H.-B.: Vol. 170, pp. 169–273.
- Kazanskii, K. S. and Dubrovskii, S. A.:* Chemistry and Physics of Agricultural Hydrogels. Vol. 104, pp. 97–134.
- Kennedy, J. P.* see Jacob, S.: Vol. 146, pp. 1–38.
- Kennedy, J. P.* see Majoros, I.: Vol. 112, pp. 1–113.
- Kennedy, K. A., Roberts, G. W. and DeSimone, J. M.:* Heterogeneous Polymerization of Fluoroolefins in Supercritical Carbon Dioxide. Vol. 175, pp. 329–346.
- Khokhlov, A., Starodybtzev, S. and Vasilevskaya, V.:* Conformational Transitions of Polymer Gels: Theory and Experiment. Vol. 109, pp. 121–172.
- Kiefer, J., Hedrick, J. L. and Hiborn, J. G.:* Macroporous Thermosets by Chemically Induced Phase Separation. Vol. 147, pp. 161–247.
- Kihara, N.* see Takata, T.: Vol. 171, pp. 1–75.
- Kilian, H. G. and Pieper, T.:* Packing of Chain Segments. A Method for Describing X-Ray Patterns of Crystalline, Liquid Crystalline and Non-Crystalline Polymers. Vol. 108, pp. 49–90.
- Kim, J.* see Quirk, R. P.: Vol. 153, pp. 67–162.
- Kim, K.-S.* see Lin, T.-C.: Vol. 161, pp. 157–193.
- Kimmich, R. and Fatkullin, N.:* Polymer Chain Dynamics and NMR. Vol. 170, pp. 1–113.
- Kippelen, B. and Peyghambarian, N.:* Photorefractive Polymers and their Applications. Vol. 161, pp. 87–156.
- Kirchhoff, R. A. and Bruza, K. J.:* Polymers from Benzocyclobutenes. Vol. 117, pp. 1–66.
- Kishore, K. and Ganesh, K.:* Polymers Containing Disulfide, Tetrasulfide, Diselenide and Ditelluride Linkages in the Main Chain. Vol. 121, pp. 81–122.
- Kitamaru, R.:* Phase Structure of Polyethylene and Other Crystalline Polymers by Solid-State ¹³C/MNR. Vol. 137, pp. 41–102.
- Klapper, M.* see Rusanov, A. L.: Vol. 179, pp. 83–134.
- Klee, D. and Höcker, H.:* Polymers for Biomedical Applications: Improvement of the Interface Compatibility. Vol. 149, pp. 1–57.
- Klemm, E., Pautzsch, T. and Blankenburg, L.:* Organometallic PAEs. Vol. 177, pp. 53–90.
- Klier, J.* see Scranton, A. B.: Vol. 122, pp. 1–54.
- v. Klitzing, R. and Tieke, B.:* Polyelectrolyte Membranes. Vol. 165, pp. 177–210.
- Klüppel, M.:* The Role of Disorder in Filler Reinforcement of Elastomers on Various Length Scales. Vol. 164, pp. 1–86.
- Klüppel, M.* see Heinrich, G.: Vol. 160, pp. 1–44.
- Knuutila, H., Lehtinen, A. and Nummila-Pakarinen, A.:* Advanced Polyethylene Technologies – Controlled Material Properties. Vol. 169, pp. 13–27.
- Kobayashi, S., Shoda, S. and Uyama, H.:* Enzymatic Polymerization and Oligomerization. Vol. 121, pp. 1–30.
- Kobayashi, T.* see Abe, A.: Vol. 181, pp. 121–152.

- Köhler, W.* and *Schäfer, R.*: Polymer Analysis by Thermal-Diffusion Forced Rayleigh Scattering. Vol. 151, pp. 1–59.
- Koenig, J. L.* see *Bhargava, R.*: Vol. 163, pp. 137–191.
- Koenig, J. L.* see *Andreis, M.*: Vol. 124, pp. 191–238.
- Koike, T.*: Viscoelastic Behavior of Epoxy Resins Before Crosslinking. Vol. 148, pp. 139–188.
- Kokko, E.* see *Löfgren, B.*: Vol. 169, pp. 1–12.
- Kokufuta, E.*: Novel Applications for Stimulus-Sensitive Polymer Gels in the Preparation of Functional Immobilized Biocatalysts. Vol. 110, pp. 157–178.
- Konno, M.* see *Saito, S.*: Vol. 109, pp. 207–232.
- Konradi, R.* see *Rühe, J.*: Vol. 165, pp. 79–150.
- Kopecek, J.* see *Putnam, D.*: Vol. 122, pp. 55–124.
- Koßmehl, G.* see *Schopf, G.*: Vol. 129, pp. 1–145.
- Kostoglodov, P. V.* see *Rusanov, A. L.*: Vol. 179, pp. 83–134.
- Kozlov, E.* see *Prokop, A.*: Vol. 160, pp. 119–174.
- Kramer, E. J.* see *Creton, C.*: Vol. 156, pp. 53–135.
- Kremer, K.* see *Baschnagel, J.*: Vol. 152, pp. 41–156.
- Kremer, K.* see *Holm, C.*: Vol. 166, pp. 67–111.
- Kressler, J.* see *Kammer, H. W.*: Vol. 106, pp. 31–86.
- Kricheldorf, H. R.*: Liquid-Crystalline Polyimides. Vol. 141, pp. 83–188.
- Krishnamoorti, R.* see *Giannelis, E. P.*: Vol. 138, pp. 107–148.
- Krüger, J.* and *Kautek, W.*: Ultrashort Pulse Laser Interaction with Dielectrics and Polymers, Vol. 168, pp. 247–290.
- Kuchanov, S. I.*: Modern Aspects of Quantitative Theory of Free-Radical Copolymerization. Vol. 103, pp. 1–102.
- Kuchanov, S. I.*: Principles of Quantitative Description of Chemical Structure of Synthetic Polymers. Vol. 152, pp. 157–202.
- Kudaibergenow, S. E.*: Recent Advances in Studying of Synthetic Polyampholytes in Solutions. Vol. 144, pp. 115–198.
- Kuleznev, V. N.* see *Kandyrin, L. B.*: Vol. 103, pp. 103–148.
- Kulichkhin, S. G.* see *Malkin, A. Y.*: Vol. 101, pp. 217–258.
- Kulicke, W.-M.* see *Grigorescu, G.*: Vol. 152, pp. 1–40.
- Kumar, M. N. V. R., Kumar, N., Domb, A. J.* and *Arora, M.*: Pharmaceutical Polymeric Controlled Drug Delivery Systems. Vol. 160, pp. 45–118.
- Kumar, N.* see *Kumar, M. N. V. R.*: Vol. 160, pp. 45–118.
- Kummerloewe, C.* see *Kammer, H. W.*: Vol. 106, pp. 31–86.
- Kuznetsova, N. P.* see *Samsonov, G. V.*: Vol. 104, pp. 1–50.
- Kwon, Y.* and *Faust, R.*: Synthesis of Polyisobutylene-Based Block Copolymers with Precisely Controlled Architecture by Living Cationic Polymerization. Vol. 167, pp. 107–135.
- Labadie, J. W.* see *Hergenrother, P. M.*: Vol. 117, pp. 67–110.
- Labadie, J. W.* see *Hedrick, J. L.*: Vol. 141, pp. 1–44.
- Labadie, J. W.* see *Hedrick, J. L.*: Vol. 147, pp. 61–112.
- Lamparski, H. G.* see *O'Brien, D. F.*: Vol. 126, pp. 53–84.
- Laschewsky, A.*: Molecular Concepts, Self-Organisation and Properties of Polysoaps. Vol. 124, pp. 1–86.
- Laso, M.* see *Leontidis, E.*: Vol. 116, pp. 283–318.
- Lazár, M.* and *Rychl, R.*: Oxidation of Hydrocarbon Polymers. Vol. 102, pp. 189–222.
- Lechowicz, J.* see *Galina, H.*: Vol. 137, pp. 135–172.
- Léger, L., Raphaël, E.* and *Hervet, H.*: Surface-Anchored Polymer Chains: Their Role in Adhesion and Friction. Vol. 138, pp. 185–226.

- Lenz, R. W.*: Biodegradable Polymers. Vol. 107, pp. 1–40.
- Leontidis, E., de Pablo, J. J., Laso, M. and Suter, U. W.*: A Critical Evaluation of Novel Algorithms for the Off-Lattice Monte Carlo Simulation of Condensed Polymer Phases. Vol. 116, pp. 283–318.
- Lee, B.* see *Quirk, R. P.*: Vol. 153, pp. 67–162.
- Lee, K.-S.* see *Kajzar, F.*: Vol. 161, pp. 1–85.
- Lee, Y.* see *Quirk, R. P.*: Vol. 153, pp. 67–162.
- Lehtinen, A.* see *Knuuttila, H.*: Vol. 169, pp. 13–27.
- Leónard, D.* see *Mathieu, H. J.*: Vol. 162, pp. 1–35.
- Lesec, J.* see *Viovy, J.-L.*: Vol. 114, pp. 1–42.
- Li, L. and de Jeu, W. H.*: Flow-induced mesophases in crystallizable polymers. Vol. 181, pp. 75–120.
- Li, M.* see *Jiang, M.*: Vol. 146, pp. 121–194.
- Liang, G. L.* see *Sumpster, B. G.*: Vol. 116, pp. 27–72.
- Lienert, K.-W.*: Poly(ester-imide)s for Industrial Use. Vol. 141, pp. 45–82.
- Likhatchev, D.* see *Rusanov, A. L.*: Vol. 179, pp. 83–134.
- Lin, J. and Sherrington, D. C.*: Recent Developments in the Synthesis, Thermostability and Liquid Crystal Properties of Aromatic Polyamides. Vol. 111, pp. 177–220.
- Lin, T.-C., Chung, S.-J., Kim, K.-S., Wang, X., He, G. S., Swiatkiewicz, J., Pudavar, H. E. and Prasad, P. N.*: Organics and Polymers with High Two-Photon Activities and their Applications. Vol. 161, pp. 157–193.
- Lippert, T.*: Laser Application of Polymers. Vol. 168, pp. 51–246.
- Liu, Y.* see *Söderqvist Lindblad, M.*: Vol. 157, pp. 139–161.
- Long, T.-C.* see *Geil, P. H.*: Vol. 180, pp. 89–159.
- López Cabarcos, E.* see *Baltá-Calleja, F. J.*: Vol. 108, pp. 1–48.
- Lotz, B.*: Analysis and Observation of Polymer Crystal Structures at the Individual Stem Level. Vol. 180, pp. 17–44.
- Löfgren, B., Kokko, E. and Seppälä, J.*: Specific Structures Enabled by Metallocene Catalysis in Polyethenes. Vol. 169, pp. 1–12.
- Löwen, H.* see *Thünemann, A. F.*: Vol. 166, pp. 113–171.
- Luo, Y.* see *Schork, F. J.*: Vol. 175, pp. 129–255.
- Macko, T. and Hunkeler, D.*: Liquid Chromatography under Critical and Limiting Conditions: A Survey of Experimental Systems for Synthetic Polymers. Vol. 163, pp. 61–136.
- Majoros, I., Nagy, A. and Kennedy, J. P.*: Conventional and Living Carbocationic Polymerizations United. I. A Comprehensive Model and New Diagnostic Method to Probe the Mechanism of Homopolymerizations. Vol. 112, pp. 1–113.
- Makhija, S.* see *Jaffe, M.*: Vol. 117, pp. 297–328.
- Malmström, E.* see *Hult, A.*: Vol. 143, pp. 1–34.
- Malkin, A. Y. and Kulichkhin, S. G.*: Rheokinetics of Curing. Vol. 101, pp. 217–258.
- Maniar, M.* see *Domb, A. J.*: Vol. 107, pp. 93–142.
- Manias, E.* see *Giannelis, E. P.*: Vol. 138, pp. 107–148.
- Martin, H.* see *Engelhardt, H.*: Vol. 165, pp. 211–247.
- Marty, J. D. and Mauzac, M.*: Molecular Imprinting: State of the Art and Perspectives. Vol. 172, pp. 1–35.
- Mashima, K., Nakayama, Y. and Nakamura, A.*: Recent Trends in Polymerization of α -Olefins Catalyzed by Organometallic Complexes of Early Transition Metals. Vol. 133, pp. 1–52.
- Mathew, D.* see *Reghunadhan Nair, C. P.*: Vol. 155, pp. 1–99.
- Mathieu, H. J., Chevolut, Y, Ruiz-Taylor, L. and Leónard, D.*: Engineering and Characterization of Polymer Surfaces for Biomedical Applications. Vol. 162, pp. 1–35.

- Matsumoto, A.*: Free-Radical Crosslinking Polymerization and Copolymerization of Multi-vinyl Compounds. Vol. 123, pp. 41–80.
- Matsumoto, A.* see Otsu, T.: Vol. 136, pp. 75–138.
- Matsuoka, H.* and *Ise, N.*: Small-Angle and Ultra-Small Angle Scattering Study of the Ordered Structure in Polyelectrolyte Solutions and Colloidal Dispersions. Vol. 114, pp. 187–232.
- Matsushige, K.*, *Hiramatsu, N.* and *Okabe, H.*: Ultrasonic Spectroscopy for Polymeric Materials. Vol. 125, pp. 147–186.
- Mattice, W. L.* see Rehahn, M.: Vol. 131/132, pp. 1–475.
- Mattice, W. L.* see Baschnagel, J.: Vol. 152, pp. 41–156.
- Mattozzi, A.* see Gedde, U. W.: Vol. 169, pp. 29–73.
- Mauzac, M.* see Marty, J. D.: Vol. 172, pp. 1–35.
- Mays, W.* see Xu, Z.: Vol. 120, pp. 1–50.
- Mays, J. W.* see Pitsikalis, M.: Vol. 135, pp. 1–138.
- McGrath, J. E.* see Hedrick, J. L.: Vol. 141, pp. 1–44.
- McGrath, J. E.*, *Dunson, D. L.* and *Hedrick, J. L.*: Synthesis and Characterization of Segmented Polyimide-Polyorganosiloxane Copolymers. Vol. 140, pp. 61–106.
- McLeish, T. C. B.* and *Milner, S. T.*: Entangled Dynamics and Melt Flow of Branched Polymers. Vol. 143, pp. 195–256.
- Mecerreyes, D.*, *Dubois, P.* and *Jerome, R.*: Novel Macromolecular Architectures Based on Aliphatic Polyesters: Relevance of the Coordination-Insertion Ring-Opening Polymerization. Vol. 147, pp. 1–60.
- Mecham, S. J.* see McGrath, J. E.: Vol. 140, pp. 61–106.
- Menzel, H.* see Möhwald, H.: Vol. 165, pp. 151–175.
- Meyer, T.* see Spange, S.: Vol. 165, pp. 43–78.
- Mikos, A. G.* see Thomson, R. C.: Vol. 122, pp. 245–274.
- Milner, S. T.* see McLeish, T. C. B.: Vol. 143, pp. 195–256.
- Mison, P.* and *Sillion, B.*: Thermosetting Oligomers Containing Maleimides and Nadiimides End-Groups. Vol. 140, pp. 137–180.
- Miyasaka, K.*: PVA-Iodine Complexes: Formation, Structure and Properties. Vol. 108, pp. 91–130.
- Miller, R. D.* see Hedrick, J. L.: Vol. 141, pp. 1–44.
- Minko, S.* see Rühle, J.: Vol. 165, pp. 79–150.
- Möhwald, H.*, *Menzel, H.*, *Helm, C. A.* and *Stamm, M.*: Lipid and Polyampholyte Monolayers to Study Polyelectrolyte Interactions and Structure at Interfaces. Vol. 165, pp. 151–175.
- Monkenbusch, M.* see Richter, D.: Vol. 174, (in press).
- Monnerie, L.* see Bahar, I.: Vol. 116, pp. 145–206.
- Moore, J. S.* see Ray, C. R.: Vol. 177, pp. 99–149.
- Mori, H.* see Bohrisch, J.: Vol. 165, pp. 1–41.
- Morishima, Y.*: Photoinduced Electron Transfer in Amphiphilic Polyelectrolyte Systems. Vol. 104, pp. 51–96.
- Morton, M.* see Quirk, R. P.: Vol. 153, pp. 67–162.
- Motornov, M.* see Rühle, J.: Vol. 165, pp. 79–150.
- Mours, M.* see Winter, H. H.: Vol. 134, pp. 165–234.
- Müllen, K.* see Scherf, U.: Vol. 123, pp. 1–40.
- Müller, A. H. E.* see Bohrisch, J.: Vol. 165, pp. 1–41.
- Müller, A. H. E.* see Förster, S.: Vol. 166, pp. 173–210.
- Müller, M.* see Thünemann, A. F.: Vol. 166, pp. 113–171.
- Müller-Plathe, F.* see Gusev, A. A.: Vol. 116, pp. 207–248.
- Müller-Plathe, F.* see Baschnagel, J.: Vol. 152, p. 41–156.
- Mukerherjee, A.* see Biswas, M.: Vol. 115, pp. 89–124.

- Munz, M., Cappella, B., Sturm, H., Geuss, M. and Schulz, E.*: Materials Contrasts and Nanolithography Techniques in Scanning Force Microscopy (SFM) and their Application to Polymers and Polymer Composites. Vol. 164, pp. 87–210.
- Murat, M.* see Baschnagel, J.: Vol. 152, p. 41–156.
- Mylnikov, V.*: Photoconducting Polymers. Vol. 115, pp. 1–88.
- Nagy, A.* see Majoros, I.: Vol. 112, pp. 1–11.
- Naka, K.* see Uemura, T.: Vol. 167, pp. 81–106.
- Nakamura, A.* see Mashima, K.: Vol. 133, pp. 1–52.
- Nakayama, Y.* see Mashima, K.: Vol. 133, pp. 1–52.
- Narasinham, B. and Peppas, N. A.*: The Physics of Polymer Dissolution: Modeling Approaches and Experimental Behavior. Vol. 128, pp. 157–208.
- Nechaev, S.* see Grosberg, A.: Vol. 106, pp. 1–30.
- Neoh, K. G.* see Kang, E. T.: Vol. 106, pp. 135–190.
- Netz, R. R.* see Holm, C.: Vol. 166, pp. 67–111.
- Netz, R. R.* see Rhe, J.: Vol. 165, pp. 79–150.
- Newman, S. M.* see Anseth, K. S.: Vol. 122, pp. 177–218.
- Nijenhuis, K. te*: Thermoreversible Networks. Vol. 130, pp. 1–252.
- Ninan, K. N.* see Reghunadhan Nair, C. P.: Vol. 155, pp. 1–99.
- Nishi, T.* see Jinnai, H.: Vol. 170, pp. 115–167.
- Nishikawa, Y.* see Jinnai, H.: Vol. 170, pp. 115–167.
- Noid, D. W.* see Otaigbe, J. U.: Vol. 154, pp. 1–86.
- Noid, D. W.* see Sumpter, B. G.: Vol. 116, pp. 27–72.
- Nomura, M., Tobita, H. and Suzuki, K.*: Emulsion Polymerization: Kinetic and Mechanistic Aspects. Vol. 175, pp. 1–128.
- Northolt, M. G., Picken, S. J., Den Decker, M. G., Baltussen, J. J. M. and Schlatmann, R.*: The Tensile Strength of Polymer Fibres. Vol. 178, (in press).
- Novac, B.* see Grubbs, R.: Vol. 102, pp. 47–72.
- Novikov, V. V.* see Privalko, V. P.: Vol. 119, pp. 31–78.
- Nummila-Pakarinen, A.* see Knuutila, H.: Vol. 169, pp. 13–27.
- O'Brien, D. F., Armitage, B. A., Bennett, D. E. and Lamparski, H. G.*: Polymerization and Domain Formation in Lipid Assemblies. Vol. 126, pp. 53–84.
- Ogasawara, M.*: Application of Pulse Radiolysis to the Study of Polymers and Polymerizations. Vol. 105, pp. 37–80.
- Okabe, H.* see Matsushige, K.: Vol. 125, pp. 147–186.
- Okada, M.*: Ring-Opening Polymerization of Bicyclic and Spiro Compounds. Reactivities and Polymerization Mechanisms. Vol. 102, pp. 1–46.
- Okano, T.*: Molecular Design of Temperature-Responsive Polymers as Intelligent Materials. Vol. 110, pp. 179–198.
- Okay, O.* see Funke, W.: Vol. 136, pp. 137–232.
- Onuki, A.*: Theory of Phase Transition in Polymer Gels. Vol. 109, pp. 63–120.
- Oppermann, W.* see Holm, C.: Vol. 166, pp. 1–27.
- Oppermann, W.* see Volk, N.: Vol. 166, pp. 29–65.
- Osad'ko, I. S.*: Selective Spectroscopy of Chromophore Doped Polymers and Glasses. Vol. 114, pp. 123–186.
- Osakada, K. and Takeuchi, D.*: Coordination Polymerization of Dienes, Allenes, and Methyl-enecycloalkanes. Vol. 171, pp. 137–194.
- Otaigbe, J. U., Barnes, M. D., Fukui, K., Sumpter, B. G. and Noid, D. W.*: Generation, Characterization, and Modeling of Polymer Micro- and Nano-Particles. Vol. 154, pp. 1–86.

- Otsu, T.* and *Matsumoto, A.*: Controlled Synthesis of Polymers Using the Iniferter Technique: Developments in Living Radical Polymerization. Vol. 136, pp. 75–138.
- de Pablo, J. J.* see *Leontidis, E.*: Vol. 116, pp. 283–318.
- Padias, A. B.* see *Penelle, J.*: Vol. 102, pp. 73–104.
- Pascault, J.-P.* see *Williams, R. J. J.*: Vol. 128, pp. 95–156.
- Pasch, H.*: Analysis of Complex Polymers by Interaction Chromatography. Vol. 128, pp. 1–46.
- Pasch, H.*: Hyphenated Techniques in Liquid Chromatography of Polymers. Vol. 150, pp. 1–66.
- Paul, W.* see *Baschnagel, J.*: Vol. 152, pp. 41–156.
- Pautzsch, T.* see *Klemm, E.*: Vol. 177, pp. 53–90.
- Penczek, P., Czub, P.* and *Pielichowski, J.*: Unsaturated Polyester Resins: Chemistry and Technology. Vol. 184, pp. 1–95.
- Penczek, P.* see *Batog, A. E.*: Vol. 144, pp. 49–114.
- Penczek, P.* see *Bogdal, D.*: Vol. 163, pp. 193–263.
- Penelle, J., Hall, H. K., Padias, A. B.* and *Tanaka, H.*: Captodative Olefins in Polymer Chemistry. Vol. 102, pp. 73–104.
- Peppas, N. A.* see *Bell, C. L.*: Vol. 122, pp. 125–176.
- Peppas, N. A.* see *Hassan, C. M.*: Vol. 153, pp. 37–65.
- Peppas, N. A.* see *Narasimhan, B.*: Vol. 128, pp. 157–208.
- Petersen, K. L.* see *Geil, P. H.*: Vol. 180, pp. 89–159.
- Pet'ko, I. P.* see *Batog, A. E.*: Vol. 144, pp. 49–114.
- Pheyghambarian, N.* see *Kippelen, B.*: Vol. 161, pp. 87–156.
- Pichot, C.* see *Hunkeler, D.*: Vol. 112, pp. 115–134.
- Picken, S. J.* see *Northolt, M. G.*: Vol. 178, (in press)
- Pielichowski, J.* see *Bogdal, D.*: Vol. 163, pp. 193–263.
- Pielichowski, J.* see *Penczek, P.*: Vol. 184, pp. 1–95.
- Pieper, T.* see *Kilian, H. G.*: Vol. 108, pp. 49–90.
- Pispas, S.* see *Pitsikalis, M.*: Vol. 135, pp. 1–138.
- Pispas, S.* see *Hadjichristidis, N.*: Vol. 142, pp. 71–128.
- Pitsikalis, M., Pispas, S., Mays, J. W.* and *Hadjichristidis, N.*: Nonlinear Block Copolymer Architectures. Vol. 135, pp. 1–138.
- Pitsikalis, M.* see *Hadjichristidis, N.*: Vol. 142, pp. 71–128.
- Pleul, D.* see *Spange, S.*: Vol. 165, pp. 43–78.
- Plummer, C. J. G.*: Microdeformation and Fracture in Bulk Polyolefins. Vol. 169, pp. 75–119.
- Pötschke, D.* see *Dingenouts, N.*: Vol. 144, pp. 1–48.
- Pokrovskii, V. N.*: The Mesoscopic Theory of the Slow Relaxation of Linear Macromolecules. Vol. 154, pp. 143–219.
- Pospíšil, J.*: Functionalized Oligomers and Polymers as Stabilizers for Conventional Polymers. Vol. 101, pp. 65–168.
- Pospíšil, J.*: Aromatic and Heterocyclic Amines in Polymer Stabilization. Vol. 124, pp. 87–190.
- Powers, A. C.* see *Prokop, A.*: Vol. 136, pp. 53–74.
- Prasad, P. N.* see *Lin, T.-C.*: Vol. 161, pp. 157–193.
- Priddy, D. B.*: Recent Advances in Styrene Polymerization. Vol. 111, pp. 67–114.
- Priddy, D. B.*: Thermal Discoloration Chemistry of Styrene-co-Acrylonitrile. Vol. 121, pp. 123–154.
- Privalko, V. P.* and *Novikov, V. V.*: Model Treatments of the Heat Conductivity of Heterogeneous Polymers. Vol. 119, pp. 31–78.
- Prociak, A.* see *Bogdal, D.*: Vol. 163, pp. 193–263.

- Prokop, A., Hunkeler, D., DiMari, S., Haralson, M. A. and Wang, T. G.*: Water Soluble Polymers for Immunoisolation I: Complex Coacervation and Cytotoxicity. Vol. 136, pp. 1–52.
- Prokop, A., Hunkeler, D., Powers, A. C., Whitesell, R. R. and Wang, T. G.*: Water Soluble Polymers for Immunoisolation II: Evaluation of Multicomponent Microencapsulation Systems. Vol. 136, pp. 53–74.
- Prokop, A., Kozlov, E., Carlesso, G. and Davidsen, J. M.*: Hydrogel-Based Colloidal Polymeric System for Protein and Drug Delivery: Physical and Chemical Characterization, Permeability Control and Applications. Vol. 160, pp. 119–174.
- Pruitt, L. A.*: The Effects of Radiation on the Structural and Mechanical Properties of Medical Polymers. Vol. 162, pp. 65–95.
- Pudavar, H. E.* see Lin, T.-C.: Vol. 161, pp. 157–193.
- Pukánszky, B. and Fekete, E.*: Adhesion and Surface Modification. Vol. 139, pp. 109–154.
- Putnam, D. and Kopecek, J.*: Polymer Conjugates with Anticancer Activity. Vol. 122, pp. 55–124.
- Putra, E. G. R.* see Ungar, G.: Vol. 180, pp. 45–87.
- Quirk, R. P., Yoo, T., Lee, Y. M., Kim, J. and Lee, B.*: Applications of 1,1-Diphenylethylene Chemistry in Anionic Synthesis of Polymers with Controlled Structures. Vol. 153, pp. 67–162.
- Ramaraj, R. and Kaneko, M.*: Metal Complex in Polymer Membrane as a Model for Photosynthetic Oxygen Evolving Center. Vol. 123, pp. 215–242.
- Rangarajan, B.* see Scranton, A. B.: Vol. 122, pp. 1–54.
- Ranucci, E.* see Söderqvist Lindblad, M.: Vol. 157, pp. 139–161.
- Raphaël, E.* see Léger, L.: Vol. 138, pp. 185–226.
- Rastogi, S. and Terry, A. E.*: Morphological implications of the interphase bridging crystalline and amorphous regions in semi-crystalline polymers. Vol. 180, pp. 161–194.
- Ray, C. R. and Moore, J. S.*: Supramolecular Organization of Foldable Phenylene Ethynylene Oligomers. Vol. 177, pp. 99–149.
- Reddinger, J. L. and Reynolds, J. R.*: Molecular Engineering of p-Conjugated Polymers. Vol. 145, pp. 57–122.
- Reghunadhan Nair, C. P., Mathew, D. and Ninan, K. N.*: Cyanate Ester Resins, Recent Developments. Vol. 155, pp. 1–99.
- Reichert, K. H.* see Hunkeler, D.: Vol. 112, pp. 115–134.
- Rehahn, M., Mattice, W. L. and Suter, U. W.*: Rotational Isomeric State Models in Macromolecular Systems. Vol. 131/132, pp. 1–475.
- Rehahn, M.* see Bohrisch, J.: Vol. 165, pp. 1–41.
- Rehahn, M.* see Holm, C.: Vol. 166, pp. 1–27.
- Reineker, P.* see Holm, C.: Vol. 166, pp. 67–111.
- Reitberger, T.* see Jacobson, K.: Vol. 169, pp. 151–176.
- Reynolds, J. R.* see Reddinger, J. L.: Vol. 145, pp. 57–122.
- Richter, D.* see Ewen, B.: Vol. 134, pp. 1–130.
- Richter, D., Monkenbusch, M. and Colmenero, J.*: Neutron Spin Echo in Polymer Systems. Vol. 174, (in press).
- Riegler, S.* see Trimmel, G.: Vol. 176, pp. 43–87.
- Risse, W.* see Grubbs, R.: Vol. 102, pp. 47–72.
- Rivas, B. L. and Geckeler, K. E.*: Synthesis and Metal Complexation of Poly(ethyleneimine) and Derivatives. Vol. 102, pp. 171–188.
- Roberts, G. W.* see Kennedy, K. A.: Vol. 175, pp. 329–346.

- Robin, J. J.*: The Use of Ozone in the Synthesis of New Polymers and the Modification of Polymers. Vol. 167, pp. 35–79.
- Robin, J. J.* see Boutevin, B.: Vol. 102, pp. 105–132.
- Rodríguez-Pérez, M. A.*: Crosslinked Polyolefin Foams: Production, Structure, Properties, and Applications. Vol. 184, pp. 97–126.
- Roe, R.-J.*: MD Simulation Study of Glass Transition and Short Time Dynamics in Polymer Liquids. Vol. 116, pp. 111–114.
- Roovers, J.* and *Comanita, B.*: Dendrimers and Dendrimer-Polymer Hybrids. Vol. 142, pp. 179–228.
- Rothon, R. N.*: Mineral Fillers in Thermoplastics: Filler Manufacture and Characterisation. Vol. 139, pp. 67–108.
- de Rosa, C.* see Auriemma, F.: Vol. 181, pp. 1–74.
- Rozenberg, B. A.* see Williams, R. J. J.: Vol. 128, pp. 95–156.
- Rühe, J., Ballauff, M., Biesalski, M., Dziezok, P., Gröhn, F., Johannsmann, D., Houbenov, N., Hugenberg, N., Konradi, R., Minko, S., Motornov, M., Netz, R. R., Schmidt, M., Seidel, C., Stamm, M., Stephan, T., Usov, D. and Zhang, H.*: Polyelectrolyte Brushes. Vol. 165, pp. 79–150.
- Ruckenstein, E.*: Concentrated Emulsion Polymerization. Vol. 127, pp. 1–58.
- Ruiz-Taylor, L.* see Mathieu, H. J.: Vol. 162, pp. 1–35.
- Rusanov, A. L.*: Novel Bis (Naphtalic Anhydrides) and Their Polyheteroarylenes with Improved Processability. Vol. 111, pp. 115–176.
- Rusanov, A. L., Likhatchev, D., Kostoglodov, P. V., Müllen, K. and Klapper, M.*: Proton-Exchanging Electrolyte Membranes Based on Aromatic Condensation Polymers. Vol. 179, pp. 83–134.
- Russel, T. P.* see Hedrick, J. L.: Vol. 141, pp. 1–44.
- Russum, J. P.* see Schork, F. J.: Vol. 175, pp. 129–255.
- Rychly, J.* see Lazár, M.: Vol. 102, pp. 189–222.
- Ryner, M.* see Stridsberg, K. M.: Vol. 157, pp. 27–51.
- Ryzhov, V. A.* see Bershtein, V. A.: Vol. 114, pp. 43–122.
- Sabsai, O. Y.* see Barshtein, G. R.: Vol. 101, pp. 1–28.
- Saburov, V. V.* see Zubov, V. P.: Vol. 104, pp. 135–176.
- Saito, S., Konno, M. and Inomata, H.*: Volume Phase Transition of N-Alkylacrylamide Gels. Vol. 109, pp. 207–232.
- Samsonov, G. V. and Kuznetsova, N. P.*: Crosslinked Polyelectrolytes in Biology. Vol. 104, pp. 1–50.
- Santa Cruz, C.* see Baltá-Calleja, F. J.: Vol. 108, pp. 1–48.
- Santos, S.* see Baschnagel, J.: Vol. 152, p. 41–156.
- Sato, T. and Teramoto, A.*: Concentrated Solutions of Liquid-Christalline Polymers. Vol. 126, pp. 85–162.
- Schaller, C.* see Bohrisch, J.: Vol. 165, pp. 1–41.
- Schäfer, R.* see Köhler, W.: Vol. 151, pp. 1–59.
- Scherf, U. and Müllen, K.*: The Synthesis of Ladder Polymers. Vol. 123, pp. 1–40.
- Schlatmann, R.* see Northolt, M. G.: Vol. 178, (in press).
- Schmidt, M.* see Förster, S.: Vol. 120, pp. 51–134.
- Schmidt, M.* see Rühe, J.: Vol. 165, pp. 79–150.
- Schmidt, M.* see Volk, N.: Vol. 166, pp. 29–65.
- Scholz, M.*: Effects of Ion Radiation on Cells and Tissues. Vol. 162, pp. 97–158.
- Schönherr, H.* see Vancso, G. J.: Vol. 182, pp. 55–129.

- Schopf, G. and Koßmehl, G.*: Polythiophenes – Electrically Conductive Polymers. Vol. 129, pp. 1–145.
- Schork, F. J., Luo, Y., Smulders, W., Russum, J. P., Butté, A. and Fontenot, K.*: Miniemulsion Polymerization. Vol. 175, pp. 127–255.
- Schulz, E.* see Munz, M.: Vol. 164, pp. 97–210.
- Schwahn, D.*: Critical to Mean Field Crossover in Polymer Blends. Vol. 183, pp. 1–61.
- Seppälä, J.* see Löfgren, B.: Vol. 169, pp. 1–12.
- Sturm, H.* see Munz, M.: Vol. 164, pp. 87–210.
- Schweizer, K. S.*: Prism Theory of the Structure, Thermodynamics, and Phase Transitions of Polymer Liquids and Alloys. Vol. 116, pp. 319–378.
- Scranton, A. B., Rangarajan, B. and Klier, J.*: Biomedical Applications of Polyelectrolytes. Vol. 122, pp. 1–54.
- Sefton, M. V. and Stevenson, W. T. K.*: Microencapsulation of Live Animal Cells Using Polycrylates. Vol. 107, pp. 143–198.
- Seidel, C.* see Holm, C.: Vol. 166, pp. 67–111.
- Seidel, C.* see Rühle, J.: Vol. 165, pp. 79–150.
- Shamanin, V. V.*: Bases of the Axiomatic Theory of Addition Polymerization. Vol. 112, pp. 135–180.
- Shcherbina, M. A.* see Ungar, G.: Vol. 180, pp. 45–87.
- Sheiko, S. S.*: Imaging of Polymers Using Scanning Force Microscopy: From Superstructures to Individual Molecules. Vol. 151, pp. 61–174.
- Sherrington, D. C.* see Cameron, N. R.: Vol. 126, pp. 163–214.
- Sherrington, D. C.* see Lin, J.: Vol. 111, pp. 177–220.
- Sherrington, D. C.* see Steinke, J.: Vol. 123, pp. 81–126.
- Shibayama, M.* see Tanaka, T.: Vol. 109, pp. 1–62.
- Shiga, T.*: Deformation and Viscoelastic Behavior of Polymer Gels in Electric Fields. Vol. 134, pp. 131–164.
- Shim, H.-K. and Jin, J.*: Light-Emitting Characteristics of Conjugated Polymers. Vol. 158, pp. 191–241.
- Shoda, S.* see Kobayashi, S.: Vol. 121, pp. 1–30.
- Siegel, R. A.*: Hydrophobic Weak Polyelectrolyte Gels: Studies of Swelling Equilibria and Kinetics. Vol. 109, pp. 233–268.
- de Silva, D. S. M.* see Ungar, G.: Vol. 180, pp. 45–87.
- Silvestre, F.* see Calmon-Decriaud, A.: Vol. 207, pp. 207–226.
- Sillion, B.* see Mison, P.: Vol. 140, pp. 137–180.
- Simon, F.* see Spange, S.: Vol. 165, pp. 43–78.
- Simon, G. P.* see Becker, O.: Vol. 179, pp. 29–82.
- Simonutti, R.* see Sozzani, P.: Vol. 181, pp. 153–177.
- Singh, R. P.* see Sivaram, S.: Vol. 101, pp. 169–216.
- Singh, R. P.* see Desai, S. M.: Vol. 169, pp. 231–293.
- Sinha Ray, S.* see Biswas, M.: Vol. 155, pp. 167–221.
- Sivaram, S. and Singh, R. P.*: Degradation and Stabilization of Ethylene-Propylene Copolymers and Their Blends: A Critical Review. Vol. 101, pp. 169–216.
- Slugovc, C.* see Trimmel, G.: Vol. 176, pp. 43–87.
- Smulders, W.* see Schork, F. J.: Vol. 175, pp. 129–255.
- Soares, J. B. P.* see Anantawaraskul, S.: Vol. 182, pp. 1–54.
- Sozzani, P., Bracco, S., Comotti, A. and Simonutti, R.*: Motional Phase Disorder of Polymer Chains as Crystallized to Hexagonal Lattices. Vol. 181, pp. 153–177.
- Söderqvist Lindblad, M., Liu, Y., Albertsson, A.-C., Ranucci, E. and Karlsson, S.*: Polymer from Renewable Resources. Vol. 157, pp. 139–161.

- Spange, S., Meyer, T., Voigt, I., Eschner, M., Estel, K., Pleul, D. and Simon, F.*: Poly(Vinyl-formamide-co-Vinylamine)/Inorganic Oxid Hybrid Materials. Vol. 165, pp. 43–78.
- Stamm, M.* see Möhwald, H.: Vol. 165, pp. 151–175.
- Stamm, M.* see Rühle, J.: Vol. 165, pp. 79–150.
- Starodybtzev, S.* see Khokhlov, A.: Vol. 109, pp. 121–172.
- Stegeman, G. I.* see Canva, M.: Vol. 158, pp. 87–121.
- Steinke, J., Sherrington, D. C. and Dunkin, I. R.*: Imprinting of Synthetic Polymers Using Molecular Templates. Vol. 123, pp. 81–126.
- Stelzer, F.* see Trimmel, G.: Vol. 176, pp. 43–87.
- Stenberg, B.* see Jacobson, K.: Vol. 169, pp. 151–176.
- Stenzenberger, H. D.*: Addition Polyimides. Vol. 117, pp. 165–220.
- Stephan, T.* see Rühle, J.: Vol. 165, pp. 79–150.
- Stevenson, W. T. K.* see Sefton, M. V.: Vol. 107, pp. 143–198.
- Stridsberg, K. M., Ryner, M. and Albertsson, A.-C.*: Controlled Ring-Opening Polymerization: Polymers with Designed Macromolecular Architecture. Vol. 157, pp. 27–51.
- Sturm, H.* see Munz, M.: Vol. 164, pp. 87–210.
- Suematsu, K.*: Recent Progress of Gel Theory: Ring, Excluded Volume, and Dimension. Vol. 156, pp. 136–214.
- Sugimoto, H. and Inoue, S.*: Polymerization by Metalloporphyrin and Related Complexes. Vol. 146, pp. 39–120.
- Suginome, M. and Ito, Y.*: Transition Metal-Mediated Polymerization of Isocyanides. Vol. 171, pp. 77–136.
- Sumpter, B. G., Noid, D. W., Liang, G. L. and Wunderlich, B.*: Atomistic Dynamics of Macromolecular Crystals. Vol. 116, pp. 27–72.
- Sumpter, B. G.* see Otaigbe, J. U.: Vol. 154, pp. 1–86.
- Sun, H.-B. and Kawata, S.*: Two-Photon Photopolymerization and 3D Lithographic Micro-fabrication. Vol. 170, pp. 169–273.
- Suter, U. W.* see Gusev, A. A.: Vol. 116, pp. 207–248.
- Suter, U. W.* see Leontidis, E.: Vol. 116, pp. 283–318.
- Suter, U. W.* see Rehahn, M.: Vol. 131/132, pp. 1–475.
- Suter, U. W.* see Baschnagel, J.: Vol. 152, pp. 41–156.
- Suzuki, A.*: Phase Transition in Gels of Sub-Millimeter Size Induced by Interaction with Stimuli. Vol. 110, pp. 199–240.
- Suzuki, A. and Hirasa, O.*: An Approach to Artificial Muscle by Polymer Gels due to Micro-Phase Separation. Vol. 110, pp. 241–262.
- Suzuki, K.* see Nomura, M.: Vol. 175, pp. 1–128.
- Swiatkiewicz, J.* see Lin, T.-C.: Vol. 161, pp. 157–193.
- Tagawa, S.*: Radiation Effects on Ion Beams on Polymers. Vol. 105, pp. 99–116.
- Taguet, A., Ameduri, B. and Boutevin, B.*: Crosslinking of Vinylidene Fluoride-Containing Fluoropolymers. Vol. 184, pp. 127–211.
- Takata, T., Kihara, N. and Furusho, Y.*: Polyrotaxanes and Polycatenanes: Recent Advances in Syntheses and Applications of Polymers Comprising of Interlocked Structures. Vol. 171, pp. 1–75.
- Takeuchi, D.* see Osakada, K.: Vol. 171, pp. 137–194.
- Tan, K. L.* see Kang, E. T.: Vol. 106, pp. 135–190.
- Tanaka, H. and Shibayama, M.*: Phase Transition and Related Phenomena of Polymer Gels. Vol. 109, pp. 1–62.
- Tanaka, T.* see Penelle, J.: Vol. 102, pp. 73–104.
- Tauer, K.* see Guyot, A.: Vol. 111, pp. 43–66.

- Teramoto, A.* see Sato, T.: Vol. 126, pp. 85–162.
- Terent'eva, J. P.* and *Fridman, M. L.*: Compositions Based on Aminoresins. Vol. 101, pp. 29–64.
- Terry, A. E.* see Rastogi, S.: Vol. 180, pp. 161–194.
- Theodorou, D. N.* see Dodd, L. R.: Vol. 116, pp. 249–282.
- Thomson, R. C., Wake, M. C., Yaszemski, M. J.* and *Mikos, A. G.*: Biodegradable Polymer Scaffolds to Regenerate Organs. Vol. 122, pp. 245–274.
- Thünemann, A. F., Müller, M., Dautzenberg, H., Joanny, J.-F.* and *Löwen, H.*: Polyelectrolyte complexes. Vol. 166, pp. 113–171.
- Tieke, B.* see v. Klitzing, R.: Vol. 165, pp. 177–210.
- Tobita, H.* see Nomura, M.: Vol. 175, pp. 1–128.
- Tokita, M.*: Friction Between Polymer Networks of Gels and Solvent. Vol. 110, pp. 27–48.
- Traser, S.* see Bohrisch, J.: Vol. 165, pp. 1–41.
- Tries, V.* see Baschnagel, J.: Vol. 152, p. 41–156.
- Trimmel, G., Riegler, S., Fuchs, G., Slugovc, C.* and *Stelzer, F.*: Liquid Crystalline Polymers by Metathesis Polymerization. Vol. 176, pp. 43–87.
- Tsuruta, T.*: Contemporary Topics in Polymeric Materials for Biomedical Applications. Vol. 126, pp. 1–52.
- Uemura, T., Naka, K.* and *Chujo, Y.*: Functional Macromolecules with Electron-Donating Dithiafulvene Unit. Vol. 167, pp. 81–106.
- Ungar, G., Putra, E. G. R., de Silva, D. S. M., Shcherbina, M. A.* and *Waddon, A. J.*: The Effect of Self-Poisoning on Crystal Morphology and Growth Rates. Vol. 180, pp. 45–87.
- Usov, D.* see Rühle, J.: Vol. 165, pp. 79–150.
- Usuki, A., Hasegawa, N.* and *Kato, M.*: Polymer-Clay Nanocomposites. Vol. 179, pp. 135–195.
- Uyama, H.* see Kobayashi, S.: Vol. 121, pp. 1–30.
- Uyama, Y.*: Surface Modification of Polymers by Grafting. Vol. 137, pp. 1–40.
- Vancso, G. J., Hillborg, H.* and *Schönherr, H.*: Chemical Composition of Polymer Surfaces Imaged by Atomic Force Microscopy and Complementary Approaches. Vol. 182, pp. 55–129.
- Varma, I. K.* see Albertsson, A.-C.: Vol. 157, pp. 99–138.
- Vasilevskaya, V.* see Khokhlov, A.: Vol. 109, pp. 121–172.
- Vaskova, V.* see Hunkeler, D.: Vol. 112, pp. 115–134.
- Verdugo, P.*: Polymer Gel Phase Transition in Condensation-Decondensation of Secretory Products. Vol. 110, pp. 145–156.
- Vettegren, V. I.* see Bronnikov, S. V.: Vol. 125, pp. 103–146.
- Vilgis, T. A.* see Holm, C.: Vol. 166, pp. 67–111.
- Viovy, J.-L.* and *Lescq, J.*: Separation of Macromolecules in Gels: Permeation Chromatography and Electrophoresis. Vol. 114, pp. 1–42.
- Vlahos, C.* see Hadjichristidis, N.: Vol. 142, pp. 71–128.
- Voigt, I.* see Spange, S.: Vol. 165, pp. 43–78.
- Volk, N., Vollmer, D., Schmidt, M., Oppermann, W.* and *Huber, K.*: Conformation and Phase Diagrams of Flexible Polyelectrolytes. Vol. 166, pp. 29–65.
- Volkens, W.*: Condensation Polyimides: Synthesis, Solution Behavior, and Imidization Characteristics. Vol. 117, pp. 111–164.
- Volkens, W.* see Hedrick, J. L.: Vol. 141, pp. 1–44.
- Volkens, W.* see Hedrick, J. L.: Vol. 147, pp. 61–112.
- Vollmer, D.* see Volk, N.: Vol. 166, pp. 29–65.
- Voskerician, G.* and *Weder, C.*: Electronic Properties of PAEs. Vol. 177, pp. 209–248.

- Waddon, A. J.* see Ungar, G.: Vol. 180, pp. 45–87.
- Wagener, K. B.* see Baughman, T. W.: Vol. 176, pp. 1–42.
- Wake, M. C.* see Thomson, R. C.: Vol. 122, pp. 245–274.
- Wandrey, C., Hernández-Barajas, J. and Hunkeler, D.:* Diallyldimethylammonium Chloride and its Polymers. Vol. 145, pp. 123–182.
- Wang, K. L.* see Cussler, E. L.: Vol. 110, pp. 67–80.
- Wang, S.-Q.:* Molecular Transitions and Dynamics at Polymer/Wall Interfaces: Origins of Flow Instabilities and Wall Slip. Vol. 138, pp. 227–276.
- Wang, S.-Q.* see Bhargava, R.: Vol. 163, pp. 137–191.
- Wang, T. G.* see Prokop, A.: Vol. 136, pp. 1–52; 53–74.
- Wang, X.* see Lin, T.-C.: Vol. 161, pp. 157–193.
- Webster, O. W.:* Group Transfer Polymerization: Mechanism and Comparison with Other Methods of Controlled Polymerization of Acrylic Monomers. Vol. 167, pp. 1–34.
- Weder, C.* see Voskerician, G.: Vol. 177, pp. 209–248.
- Whitesell, R. R.* see Prokop, A.: Vol. 136, pp. 53–74.
- Williams, R. A.* see Geil, P. H.: Vol. 180, pp. 89–159.
- Williams, R. J. J., Rozenberg, B. A. and Pascault, J.-P.:* Reaction Induced Phase Separation in Modified Thermosetting Polymers. Vol. 128, pp. 95–156.
- Winkler, R. G.* see Holm, C.: Vol. 166, pp. 67–111.
- Winter, H. H. and Mours, M.:* Rheology of Polymers Near Liquid-Solid Transitions. Vol. 134, pp. 165–234.
- Wittmeyer, P.* see Bohrisch, J.: Vol. 165, pp. 1–41.
- Wood-Adams, P. M.* see Anantawaraskul, S.: Vol. 182, pp. 1–54.
- Wu, C.:* Laser Light Scattering Characterization of Special Intractable Macromolecules in Solution. Vol. 137, pp. 103–134.
- Wunderlich, B.* see Sumpter, B. G.: Vol. 116, pp. 27–72.
-
- Xiang, M.* see Jiang, M.: Vol. 146, pp. 121–194.
- Xie, T. Y.* see Hunkeler, D.: Vol. 112, pp. 115–134.
- Xu, P.* see Geil, P. H.: Vol. 180, pp. 89–159.
- Xu, Z., Hadjichristidis, N., Fetters, L. J. and Mays, J. W.:* Structure/Chain-Flexibility Relationships of Polymers. Vol. 120, pp. 1–50.
-
- Yagci, Y. and Endo, T.:* N-Benzyl and N-Alkoxy Pyridium Salts as Thermal and Photochemical Initiators for Cationic Polymerization. Vol. 127, pp. 59–86.
- Yamaguchi, I.* see Yamamoto, T.: Vol. 177, pp. 181–208.
- Yamamoto, T., Yamaguchi, I. and Yasuda, T.:* PAEs with Heteroaromatic Rings. Vol. 177, pp. 181–208.
- Yamaoka, H.:* Polymer Materials for Fusion Reactors. Vol. 105, pp. 117–144.
- Yannas, I. V.:* Tissue Regeneration Templates Based on Collagen-Glycosaminoglycan Copolymers. Vol. 122, pp. 219–244.
- Yang, J.* see Geil, P. H.: Vol. 180, pp. 89–159.
- Yang, J. S.* see Jo, W. H.: Vol. 156, pp. 1–52.
- Yasuda, H. and Ihara, E.:* Rare Earth Metal-Initiated Living Polymerizations of Polar and Nonpolar Monomers. Vol. 133, pp. 53–102.
- Yasuda, T.* see Yamamoto, T.: Vol. 177, pp. 181–208.
- Yaszemski, M. J.* see Thomson, R. C.: Vol. 122, pp. 245–274.
- Yoo, T.* see Quirk, R. P.: Vol. 153, pp. 67–162.

- Yoon, D. Y.* see Hedrick, J. L.: Vol. 141, pp. 1–44.
- Yoshida, H.* and *Ichikawa, T.*: Electron Spin Studies of Free Radicals in Irradiated Polymers. Vol. 105, pp. 3–36.
- Zhang, H.* see R uhe, J.: Vol. 165, pp. 79–150.
- Zhang, Y.*: Synchrotron Radiation Direct Photo Etching of Polymers. Vol. 168, pp. 291–340.
- Zheng, J.* and *Swager, T. M.*: Poly(arylene ethynylene)s in Chemosensing and Biosensing. Vol. 177, pp. 151–177.
- Zhou, H.* see Jiang, M.: Vol. 146, pp. 121–194.
- Zhou, Z.* see Abe, A.: Vol. 181, pp. 121–152.
- Zubov, V. P., Ivanov, A. E.* and *Saburov, V. V.*: Polymer-Coated Adsorbents for the Separation of Biopolymers and Particles. Vol. 104, pp. 135–176.

Subject Index

- Accelerator 48, 63
Acid anhydrides 5
Acid resistance, VDF-based
 fluoroelastomers 197
Acid value 15
Acrylic acid 28
Activation energy 50, 75
Adipic acid 26
Aminodiols 65
Autoacceleration 71
Azodicarbonamide 101
- Barrier properties 42
Benzylamine 166
Bis-cinnamylidene hexamethylene
 diamine 151
Bismaleimide 20
Bis-peroxy-carbamates 156
Bisphenol A 34
Bisphenols, crosslinking 127, 170
Block copolyetherester 35
Block copolymers 53
Boltzman integral model,
 force-deformation 114
Butylamine 145
- Calcium carbonate 87
CARB LEVII 203
Carcinogen 42
Castor oil 39
Cell wall thickness, PO 108
Chemical resistance 10, 26, 46, 47
Collapse 112
Compression set resistance 163
Compressive strength 11
Copolymerization 13, 72
CPOF 103
– applications 121
– dynamical mechanical behavior 117
– stress-starin 111
Cracking 19, 46, 60, 68, 74
Creep, PO foams 116
Crosslinking 61, 97
– density 60, 152
Cyclopentadiene 16, 21
- Decomposition 50
Dehydrofluorination 136
DETA 164
Diallylmelamine 179
Diamines, crosslinking 146
Dibutylamine 148
Dicarboxylic esters 5
Diethyl fumarate 52
Diethylcyclohexylamine 148
Diethylene glycol 7
Diethylene triamine 159
Diode array detection (DAD) 58
Divinylbenzene 179
DMAC 192
Dynamic light scattering 51
Dynamic mechanical analysis 59, 69
- Elastomer 21, 32
Electron beam radiation,
 fluoroelastomers, VDF-based 187
Epoxy resin 6, 9, 30, 39, 50, 66, 70–75
Epoxyfumarate resins 8–10
ESI resin 104
Ethylene glycol 13
Ethylendiamine 154
Ethylene-styrene 104, 120
EVA 99, 111
Expanded graphite 44
- Ferrocene 63
Filler 86
Fire retardant 8, 82

- FKM gum 167
Flammability 43
Flex fuels 203
Flexural strength 10, 16, 17, 42
Fluoroelastomers 130
– diamines 151
– VDF-based, crosslinking 136
– irradiation 190
Fluoropolymers, VDF 127
Fly ash 86
Foam, heat transfer 118
– injection molded 120
– open-cell 106
Foam bulk modulus 113
Foam microstructure 113
Foaming, crosslinking 105
Foaming agents 97, 105
Force-deformation curves 114
Fracture energy 32
Free radical copolymerization 62

Gas diffusion, PO 116
Gel time 23, 58, 64
Glass transition temperature 20, 48, 69, 77
Grafting, fluoroelastomers,
 VDF-based 186

HBTBP 156
HDPE 99, 120
Hexamethyldiamine 128
Hexamethylene diamine (HMDA) 151
HFP 166
Hybrid resin 74
Hydrocarbon resins 21
Hydrogen maleate 6

Impact strength 37, 39, 42
Impregnating 41
Injection molded foams 120
Intramolecular crosslinking 61
Irradiation, fluoroelastomers,
 VDF-based 190
Irritation 67

Kelvin model 113
Kinetic analysis 64

LDPE 99
– cell shapes 109
– cushion curves 115
– stress-strain 117
Light scattering 61
LLDPE 99

Magic angle spinning (MAS) 57
Maleate 9
Maleic anhydride 6–16, 19, 22, 24, 27–30,
 36, 37, 47–49, 56, 57, 66, 80
Maleopimaric acid 1, 12, 31
Mechanical properties 40
Mechanical strength 38
Methanol 203
Methylethylketone peroxide 73
Microgels 68
Microstructure 52
Molecular weight 19, 52, 61, 71, 85
Monoamines 145
Morphology 36, 77

Natural fibers 84
Nuclear magnetic resonance (NMR) 56

ODR, fluoroelastomers,
 bisphenol-cured 173
Optical microscopy 79
O-rings 203

Particle board 89
PE, metallocene 104
– foams,
 thermal expansion coefficient 119
Pentaerythritol diacetate 17, 18
Perfluoropolyethers 55
Peroxide-cure, coagents 179
Peroxides 30
– crosslinking, VDF 128, 185
Peroxides/TAIC, crosslinking 184
Peroxy carbamates 156
PET 1
– glycolyzate 81
Phase separation 36, 37, 70
Photoinitiator 85
Photopolymerization 66, 67
Phthalic anhydride 22, 27, 66
Piperidine 9, 148, 159
PO, running shoes 122
Polarizing microscopy 49
Poly(oxyethylene) diol 35
Poly(TFE-*co*-P) 182
Poly(VDF-*co*-CTFE) 145

- Poly(VDF-*co*-HFP),
 dehydrofluorination 136
Polycondensation 5, 12, 17, 19, 29, 41, 53
Polydispersity 17
Polyester resins, unsaturated 1
Polyesterification 23, 74
Polyethylene foams 97
 – open-cell 106
Polyolefin foams, cell wall/edges 108
 – crosslinked 97
 – crosslinked closed-shell 102
 – structure 107
Polypropylene 99
 – foams 104
Polyurethanes 5, 38, 40, 51, 72
Polyvinylidene fluoride (PVDF) 128, 131
Profilometry 59
PVDF 128, 131
PVDF film, irradiation 190
- Radiation crosslinking,
 fluoroelastomers, VDF-based 186
Rapeseed oil 25, 27
Recycling 88, 120
Reference model, force-deformation 114
Refractive index 6
Resin transfer molding 70
- Sealings 203
SEC, FKM gum 167
Sedimentation 82
Sewage systems 84
Sheet molding compounds 5, 88
Solubility parameters 47, 87
Storage modulus, CPOF 117
Storage stability 65
Strain rates, PO 111
Stress-strain curves,
 compressive, CPOF 111
Succinic acid 11
- TAC 179
TAIC 128, 179, 180
Tensile strength 18, 34
Tetrahydrophthalic anhydride 6
Tetramethylethyldiamine 159
Thermal conductivity 118
Thermal degradation 43, 46
Thermal resistance 14, 31
Thermal stability 68
Thermomechanical properties 31
Thermoplastic additives 79
Thermoplastics 89
Thiol ene systems, VDF-based
 fluoroelastomers 196
Torque, ODR 173
Triallylcyanurate (TAC) 179
Triallylisocyanurate (TAIC) 128, 179, 180
Triethylamine 148
- Ultrasonic technique 60
Unsaturated polyesters 16
UPRs (unsaturated polyester resins) 5
UPs (unsaturated polyesters) 5
- VDF 127
Vinyl ester resins 1
Vinyl monomers 62
Viscosity 43
Volume shrinkage 78, 80
- Waste utilization 88
- Young's modulus 112, 114
- Zinc stannate 44