
Author Index Volumes 101–182

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.
- 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. 131–170.
- 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. 171–282.
- 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.
- 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.
- 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, E.*: 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.
- 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.
- Dunkin, I. R.* see Steinke, J.: Vol. 123, pp. 81–126.
- Dunson, D. L.* see McGrath, J. E.: Vol. 140, pp. 61–106.
- Dziedzok, P.* see Rühle, J.: Vol. 165, pp. 79–150.
- Eastmond, G. C.:* Poly(*ε*-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.
- 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(tetrafluoroethylene). 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 *Rühe, 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. 171–282.
- 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. 131–170.
- 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 Rühle, 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 $^{13}\text{C}/\text{MNR}$. 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 *Nummilla-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 Rühle, 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 Sumpter, 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 *Rühe, 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 *Rühe, 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.
- Narasinhani, 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 uhe, 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 Sumpster, 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-encycloalkanes. Vol. 171, pp. 137–194.
- Otaigbe, J. U., Barnes, M. D., Fukui, K., Sumpster, 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.* 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.
- Pheghambarian, 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.
- 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.
- 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-Crystalline 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 Kößmehl, 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.
- 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 R  he, J.: Vol. 165, pp. 79–150.
- Sepp  l  , J.* see L  fgren, B.: Vol. 169, pp. 1–12.
- 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.
- S  derqvist 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(Vinylformamide-co-Vinylamine)/Inorganic Oxid Hybrid Materials. Vol. 165, pp. 43–78.
- Stamm, M.* see M  hwald, H.: Vol. 165, pp. 151–175.
- Stamm, M.* see R  he, 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 Microfabrication. 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.
- 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 *Rühe, 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.
- Volksen, W.*: Condensation Polyimides: Synthesis, Solution Behavior, and Imidization Characteristics. Vol. 117, pp. 111–164.
- Volksen, W.* see *Hedrick, J. L.*: Vol. 141, pp. 1–44.
- Volksen, 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 Rühle, 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

- Actin network 287
- Adhesion 64
- Adhesion forces 77, 82, 99
 - imaging 89
- AFM, contact mode 84
 - pulsed force mode 100
- AFM cantilever/tips, contact mode 85
- AFM tips, Au/SAM coated 91
 - self-assembled monolayers 90
- Alkanethiols 64, 94
- Allylamine films 66
 - plasma polymerized 102

- Bead-and-spring model 273, 288
- Bicontinuous structure 136
- Biotin micro-patterns 109
- Brewster angle microscope 156

- Carbon nanotube 163
- Cassie equation 64
- CCD 3
 - detector/Raman 114
- Cell adhesion, polypeptide sequences, spacing 62
- CFM 56, 59, 83
 - friction imaging 94
- Chains bearing dendritic wedges (CBDW) 353
- Chemical composition distribution 3
- Chemical force microscopy (CFM) 56, 59, 75, 83
- Comblike polymers 362
- Comonomer, Crystaf 34
- Composition heterogeneity 1
- Conducting polymers 67
- Confocal pinhole 133
- Conjugated polymer 138, 153
- Connectivity 273
 - matrix, GGS 287

- Constant force mode, AFM 84
- Contact angle, liquid/surface 62
- Contact angle hysteresis 72
- Contact radius 80
- Cooling rate 12, 35
- Coordination spheres 74
- Cross-fractionation 20
- Cross-link agglomerations 331
- Crystaf 3
- Crystallization analysis fractionation 1, 3

- Deep ultraviolet scanning near-field optical microscopy (DUV-SNOM) 164
- Dendrimers 271, 336, 374
 - generalized (GD) 346
 - trifunctional 342
- Dendritic wedges (DW) 353, 371
- Derjaguin approximation 80
- DiD molecules 141
- Dielectric relaxation 282
- Dipole-dipole interactions, surfaces 74
- DNA 93, 287, 147, 149
- DPB/PB, bicontinuous, time evolution 136
- DPPC 109
- DSC, polymer crystallization 23
- DUV-SNOM 164
- Dynamical shear modulus 277

- Electron beam lithography 68
- Energy migration 140
- Energy transfer 156
 - mapping 158
- EPR 115
- ESCA 56
- ETFE/PMMA 110
- Ethylene/1-olefin 3, 14
- Evanescence field 146
- Excitation, two-photon 144

- Flory–Huggins free-energy function 6
 Fluorescence, polarized 154
 Fluorescence anisotropy 154
 Fluorescence decay 141, 158, 161
 Fluorescence spectroscopy 118, 131
 Fluorescent dyes 141
 Foerster radius 158
 Force histograms, AFM tips,
 SAM-coated 92
 Force volume 89, 97
 Force-displacement curves 94
 Force-distance curves 67, 99
 Fractionation, semicrystalline polymers 1
 Friction force imaging, AFM/CFM 94
 Friction force microscopy
 (lateral force microscopy) 76, 88
 Friction forces 88, 92
 Friction loop 88
 FTIR 18, 112, 116
 Functional groups,
 mapping/determination, CFM 83

 Gaussian network, tree-like 336
 Gaussian structures 271
 Gels 160
 – inhomogeneous cross-linked 335
 Generalized dendrimers (GD) 346
 Generalized Gaussian structures (GGS)
 271, 273, 275
 Good–Girifalco equation 70
 Graessley’s model 339
 Grafting, surface modification 68
 Green-function formalism 78

 Hamaker summation method 78
 Harmonic generation 144
 HDPE 32
 Hertzian elastic contact 81
 Homopolymer solutions,
 thermodynamics 6
 Host-guest interactions 93
 Hyperbranched polymers 355

 Image, three-dimensional 134
 Interfacial tension 70
 Interpenetrating polymer network
 (IPN) 135

 JKR adhesive contact 81
 JKR pull-off force 82

 JKR theory 88

 Langevin equation of motion 289
 Langmuir–Blodgett films 109
 Laser scanning confocal fluorescence
 microscopy (LSCFM) 134
 Laser scanning confocal microscopy
 (LSCM) 131, 133
 Lateral force microscopy
 (friction force microscopy) 76, 88
 Latex, coalescence 135
 LB technique 151
 LDPE 20
 LEDs 64
 Lithography, electron beam 68
 LLDPE, CCD 4, 18
 Localization effects 328
 LSCM 131, 133

 MALDI-MS 56, 113
 Mass spectrometry, secondary ion
 (SIMS) 56, 59, 108
 MEH-PPV 139
 Microfluidic devices, disposable,
 plasma etching 66
 Monolayer 150, 156
 Monte Carlo models 49
 Multi-colored image 137
 Multi-photon absorption 144
 MWDs 14

 NBDPC 109
 Near field scanning optical microscopy
 (NSOM) 118
 Networks, dendrimers 374
 – mesh-like 295
 – polydisperse 330
 NSOM 118

 Pair distribution functions 60
 PDDMA, surface properties 105
 PDMS, surface properties 106
 PE lamella,
 friction force microscopy 89
 Peptides, SIMS 109
 PET, embedded 117
 Phase separation 134
 Photoablation 67
 Photobleaching 139
 Photo-detector 133

- Plasma polymerization 65
PMMA 68, 94, 105, 134
Polarizability effects 82
Poly(*N,N*-dimethylacrylamide) 67
Poly(dimethylsiloxane) 110
Poly(isobutylene-*co-p*-methylstyrene) 117
Poly(*N*-isopropylacrylamide) 135
Poly(lactic acid) 110
Poly(*p*-phenylene vinylene) 118
Poly(pyrrole), oxidized, clustering 111
Poly(styrene-*ran*-butadiene), phase-separated morphology 137
Polyamide, UV excimer laser irradiated 106
Polycarbonate 99, 117
Polyethylene 1
Polymer blend 134
Polymer connectivity 273
Polymer network 159
Polymer surfaces, AFM 55
Polyolefins 1
Polypropylene, isotactic, AFM force-volume mode 101
Polystyrene 134
Potential energy 77
PP/EPR 116
PPV, photochemistry 138
PS/PMMA blend 94, 105, 134
Pull-off forces, surfaces 76, 88, 92
– imaging, AFM/CFM 97
PVA, pull-off force 98
PVC/PMMA 112
PVP 96
- Raman confocal microprobe mapping 117
Raman microspectroscopy 114
Raman scattering spectroscopy 162
Random nets, monodisperse 323
Randomly-branched polymers 356
Reactivity ratio product 10
Regular hyperbranched polymers (RHP) 364
Relaxation, dielectric 282
Relaxation modulus, time-dependent 281
Reptation model 292, 295
Rouse model 271, 288
Rouse network, small-world (SWRN) 326, 368
- Scanning near-field optical microscopy 131, 147
Scanning probe microscopy 56
SEC 14
Segment distribution 7
Self-assembled monolayers, AFM/CFM 68, 90, 109
Sessile drop technique 72
SFM tip, CFM 86
Shear modulus 277
Shear stress 281
Side-chain dendritic polymers 352
Silica filler 117
SIMS 56, 59, 108
Single molecule force spectroscopy 93, 141
Single polymer chain 131, 138
Site energy distributions 61
Small-world network (SWN) 326
Small-world Rouse networks (SWRN) 326, 368
SNOM 131
Solid surface tension 70
Solvents, Tref 17
Spatial distribution, surfaces 60
Spatial resolution 134
Spinodal decomposition 136
Stealth surfaces 64
Stimulated emission depletion (STED) 144
Stockmayer's bivariate distribution 9, 47
Successive nucleation/annealing (SNA), LLDPE 23
Successive solution fractionation 14
Surface chemical composition 55
Surface enhanced Raman scattering (SERS) 117
Surface enhanced Raman spectroscopy 163
Surface forces 73
– apparatus 76, 80
Surface grafting 68
Surface modification 65
Surface pull-off forces 76
Surface tension 69
– models, multi-component 71
Surfaces, biocompatible 69
– chemically sensitive imaging 84
– electron/ion beam 68
– functional groups 60

- heterogeneous 60
- homogeneous 60
- irradiated 67
- plasma treatment 65

- Tacticity distribution 4
- Temperature rising elution fractionation (Tref) 1, 5, 11
- Terminal vertex 356
- Thermodynamic work of adhesion 75
- Three-dimensional image 134
- Time-dependent relaxation modulus 281
- Tip, free energy 90
- Tip functionalities, AFM/CFM 90
- ToF-SIMS 109
- Total internal reflection (TIR) 146
- Transition dipole 141

- Trichlorosilanes 91
- Two-photon excitation 144

- UV-laser ablation, surface modification 66

- Viscoelastic relaxation 277

- Waste plastics, Crystaf 46
- Wettability 64
- Work of adhesion 75, 77

- XPS 56, 111

- Young's equation 70

- Zimm model 293