
Author Index Volumes 101 – 177

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.
- 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.
- 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.
- 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.
- 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 Rhe, J.: Vol. 165, pp. 79–150.
- Balt-Calleja, F. J., Gonzlez Arche, A., Ezquerro, T. A., Santa Cruz, C., Batalln, F., Frick, B.* and *Lpez Cabarcos, E.*: Structure and Properties of Ferroelectric Copolymers of Poly(vinylidene) Fluoride. Vol. 108, pp. 1–48.
- 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., Mller-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.
- Batalln, F.* see Balt-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.
- 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 Rhe, 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., Mller, M., Virnau, P.* and *Gonzlez 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.
- 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., Mller 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 Amédouri, B.: Vol. 102, pp. 133–170.
- Boutevin, B.* see Améduri, B.: Vol. 127, pp. 87–142.
- 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.
- 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 Cyclo-polymerization 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.
- Connell, J. W.* see Hergenrother, P. M.: Vol. 117, pp. 67–110.
- 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.
- 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., Amsalem, 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.
- Dziezok, 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.
- Ezquerro, 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.
- 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.
- 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.
- 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.
- 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.

- 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.
- Hilborn, J. G.* see Hedrick, J. L.: Vol. 147, pp. 61–112.
- Hilborn, J. G.* see Kiefer, J.: Vol. 147, pp. 161–247.
- 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 Rühe, J.: Vol. 165, pp. 79–150.
- Huber, K.* see Volk, N.: Vol. 166, pp. 29–65.
- Hugenberg, N.* see Rühe, 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.
- 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, 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.
- 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.*: Metalloenes 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.*: Dynamcis 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.
- Kautek, W.* see Krüger, J.: Vol. 168, pp. 247–290.
- Kawaguchi, S.* see Ito, K.: Vol. 142, p 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.
- 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.
- Knuuttila, 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.
- 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.
- 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, p. 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, p. 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.
- Leseq, J.* see Viovy, J.-L.: Vol. 114, pp. 1–42.
- 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.
- 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.
- López Cabarcos, E.* see Baltá-Calleja, F. J.: Vol. 108, pp. 1–48.
- 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., Chevotot, 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 Multivinyl 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 Rühle, 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.
- 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., 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, p. 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- Schmidt, M.* see Förster, S.: Vol. 120, pp. 51–134.
- Schmidt, M.* see Rühle, 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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(Vinylformamide-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 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, p. 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.
- 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.
- Usov, D.* see *Rühe, J.*: Vol. 165, pp. 79–150.
- Uyama, H.* see *Kobayashi, S.*: Vol. 121, pp. 1–30.
- Uyama, Y.*: Surface Modification of Polymers by Grafting. Vol. 137, pp. 1–40.
- 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 *Lesc, 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.
- Volkksen, W.: Condensation Polyimides: Synthesis, Solution Behavior, and Imidization Characteristics. Vol. 117, pp. 111–164.
- Volkksen, W. see Hedrick, J. L.: Vol. 141, pp. 1–44.
- Volkksen, 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.
- 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. 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.
- 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, 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. 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  he, 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.

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

- Acetylene bond 212
Acetylene chemistry 1
Acetylene gas 15
ADIMET 15
Aggregates, fibrous 40
Aggregation 85, 106, 156, 163
-, interpolymer π -stacking 85
Air-water interface 163
Alkylidyne complexes 17
Alkyne metathesis 1
Anionic conjugated polymer 155
Antenna 153
Anthracene 153
Antibodies 168
Aptamer 178
Arenes 1
Arylene ethynylenes 3, 91
Avidin 167
- Bandgaps 80, 213, 218
Benisi-Hildebrandt plot 113
Benzothiadiazole 199
Benzylic bisphosphonate 31
Binaphthol 120
Binding constant 155
Bioassay 167
Biosensors 151
Biotin 47, 167
Bipolaron 213, 217
2,2'-Bipyridyl-Re(I) 71
6-Bromo-2-(4'-bromophenyl)-4-phenylquinoline 30
Buchwald reaction 59
Butadiyne defects 6
- C-C couplings, organometallic 181
Capping reagent 70
Caprolactone 19
Carbohydrates 167
-, detection 172
Carbyne complexes 17
Caveat emptor 40
Charge carriers 213
- -, mobility 46, 220
Charge transport 209
Chemosensors 84, 151
Chiral tether 121
4-Chlorophenol 17
Conduction band 213, 218
Conductivity, electrical 209-217
Conjugation lengths 42
Copper acetylide 182
Couplings 5
-, Pd-catalyzed 183
Cyclic voltammetry 216, 219
Cyclobutadiene 79
- DCL 129
Denaturation 102, 106, 108
Dendritic molecules/architecture 85, 86
Density of states 213, 214, 224
Dexter energy transfer 160
4,7-Dibromobenzothiadiazole 30
(Dibromo-2,2'-dipyridine)-bis(2,2'-bipyridine) 58
Dibromosalphene 41
1,1'-Diethynyl-ferrocene 73
5,8-Diethynylquinoxaline 30
Diethynyltriphenylene 29
Diffusion 158
1,6-Diiodo-1,6'-biferrocenylene 73
Diiododibenzochrysene 29
3,6-Diiodoquinoline 29
Diisopropylamine 6
2,3-Diphenyl-5,8-dibromoquinoxaline 30
1,5-Dipropynyl-3,8-di-*tert*-butyl-naphthalene 28
Dipropynylarene 15

- Dipropynyldialkoxybenzenes 17
Dipropynylstilbenes 31
Disorder 221, 225
DNA 167
DNT 157
Doping 213
-, n-type 192
- Electrochemical cells, light-emitting 244
Electroluminescence 209, 212, 230
Electron transfer 69, 153
Elimination, reductive 182, 183
Energy bands 152
Energy migration 155
Energy transfer 151, 159, 191
Equilibrium shifting 133
ESR 97
Excimer 191
Excited state 232
Excitons 152
- Fermi level 213
Ferrocene 82, 200
Field-effect transistors 199, 211
Films 158
Fluorescence 151
Fluoride ions 167
2-Fluorophenol 17
Foldamers 91
Folding, modification 104
-, stabilization 136
Förster energy-transfer mechanism 156
FRET 174
- Gel network, organometallic 46
GPC 64
Guest binding 91, 112
- Hartwig reaction 59
Heck-Cassar-Sonogashira-Hagihara 1, 31
Helix coil transition 98
Heterocyclic backbones 23
Hexagonal packing 129
Hole injection 218, 240
HOMO 213
HOMO-LUMO gap 73
Hopping 223
Horner olefination 31
Hückel's theory 212
Hybrid polymers 53
Hydrogen bonding 106, 108
- Hydrogenation 204
-, catalytic 44
Hypochromic effects 95
- Imine metathesis polymerization 136
Interactions, multivalent 173
-, nonspecific 168
-, π - π 104
Ipticine monomers 18
- Lamellar conformation 129
Landmines 158
Langmuir-Blodgett 158
Langmuir films 124
Lanthanide ions 161
Lifetimes, polymers 159
Ligands, polypyridine 53
Light-emitting diode 209, 211, 230
Light-harvesting devices 86
Luminescence, electro- 209, 212, 230
-, photo- 190
LUMO 80, 213
- energy 73
- MacDonald condensation 77
Main chain, reduction 44
Metal binding 109
Metal complexes 53, 56, 199
Metal sensing 160
Metallo dendrimer 86
Metalloporphyrins 77
Metathesis 139
Methyl viologen 151
Microspheres 169
MLCT 64, 66, 67
- transition 73
Molecular assembly 199
Molecular orbitals 73, 80, 212
Mössbauer spectrum 77
- Networks, organometallic 226
NLO devices 86
Nonlinearity, third-order 66
Nonspecific interactions 168
Nucleation 98, 106
Nucleation-elongation 136
- OPE 81
- PAE emitting layer 233
PAEs, electron-poor 219

- , heteroaromatic rings 181
- , library 40
- , nitrogen-containing rings 192
- , nonconjugated 42
- , Si/Fe/B 201
- PAVs 211
- Pd catalysis 1, 15
- PDAs 211
- Peierl's instability 213
- Peptide nucleic acids 170
- 1,10-Phenanthroline 66
- Phenylene ethynylene oligomers 81, 91
- Photocurrent 220
- Photoluminescence 190
- Piperidine 6
- Plastic electronics 1, 209
- PNA 170
- Polaron 213, 217
- Polypyridine ligands 53
- Polythiophenes 177
- Poly(arylene)s 211
- Poly(diacetylene)s 178, 211
- Poly(2,5-dialkoxy-*p*-phenylene ethynylene) 214
- Poly(metallayne)s 57
- Poly(*p*-phenylene ethynylene) PPEs 1, 213
- Poole-Frenkel law 224
- Postfunctionalization, side chain 47
- PPE-PPV derivatives 19
 - – hybrids 31
- PPEs 1, 213
 - , biotinylated 49
 - , jacketed 18
 - , meta 23
 - , phosphate-substituted 23
 - , rigidity 45
 - , water-soluble 23
- PPVs 54
- Precursor, chiral 67
- Propagation, helix 98
- Proteins 167

- Q-band 77, 78
- Quenching 154

- Radical polymerization 47
- Random walk 156
- Receptors 160

- Recognition, biological 167
- Redox reactions 200
- Rigid polymers 64

- Scher-Montrol theory 221
- Semiconductors 209, 213
- Sensors 1
 - , optical 1, 158
- Side chains, chiral 118
- Side-chain dipole orientation 146
- Side-chain manipulation 18
- Silacyclopentadiene 80
- Silole 200
- SnCl₂ 29
- Solar energy 77
- Solvent denaturation 106
- Solvophobicity 92, 94, 97, 104, 110
- Sonogashira coupling 183
 - , cross-coupling 58
 - polycondensation 53
- Soret band 77, 78
- Spacer 82
- Spin labeling 97
- Stacking, π - π 93
- Step-growth polymerization 59
- Stiff structure 190
- Stille coupling 80
- Stokes shift 66
- Streptavidin 49, 167
- Supramolecular organization 91
- Surface, solvent-exposed 115

- Thermal stability 66
- THG 191
- Thiol groups 82
- Time-of-flight 220
- TNT 151, 157
- Tosylhydrazide 45
- Triethylamine 6
- 4-Trifluoromethylphenol 31
- Triphenylamine 60, 64
- Triplet-state lifetime 81
- Twist sense bias 118

- Valence band 213, 218
- Voltammetry, cyclic 216, 219

- Wilkinson's catalyst 44
- Wires 152
 - , molecular 82