

Author Index Volumes 1–33

- Allegra, G. and Bassi, I. W.*: Isomorphism in Synthetic Macromolecular Systems. Vol. 6, pp. 549–574.
- Andrews, E. H.*: Molecular Fracture in Polymers. Vol. 27, pp. 1–66.
- Ayrey, G.*: The Use of Isotopes in Polymer Analysis. Vol. 6, pp. 128–148.
- Baldwin, R. L.*: Sedimentation of High Polymers. Vol. 1, pp. 451–511.
- Basedow, A. M. and Ebert, K.*: Ultrasonic Degradation of Polymers in Solution. Vol. 22, pp. 83–148.
- Batz, H.-G.*: Polymeric Drugs. Vol. 23, pp. 25–53.
- Bergsma, F. and Kruissink, Ch. A.*: Ion-Exchange Membranes. Vol. 2, pp. 307–362.
- Berry, G. C. and Fox, T. G.*: The Viscosity of Polymers and Their Concentrated Solutions. Vol. 5, pp. 261–357.
- Bevington, J. C.*: Isotopic Methods in Polymer Chemistry. Vol. 2, pp. 1–17.
- Bird, R. B., Warner, Jr., H. R., and Evans, D. C.*: Kinetik Theory and Rheology of Dumbbell Suspensions with Brownian Motion. Vol. 8, pp. 1–90.
- Biswas, M. and Maity, C.*: Molecular Sieves as Polymerization Catalysts. Vol. 31, pp. 47–88.
- Block, H.*: The Nature and Application of Electrical Phenomena in Polymers. Vol. 33, pp. 93–161.
- Böhm, L. L., Chmelř, M., Löhr, G., Schmitt, B. J. and Schulz, G. V.*: Zustände und Reaktionen des Carbanions bei der anionischen Polymerisation des Styrols. Vol. 9, pp. 1–45.
- Bovey, F. A. and Tiers, G. V. D.*: The High Resolution Nuclear Magnetic Resonance Spectroscopy of Polymers. Vol. 3, pp. 139–195.
- Braun, J.-M. and Guillet, J. E.*: Study of Polymers by Inverse Gas Chromatography. Vol. 21, pp. 107–145.
- Breitenbach, J. W., Olaj, O. F. und Sommer, F.*: Polymerisationsanregung durch Elektrolyse. Vol. 9, pp. 47–227.
- Bresler, S. E. and Kazbekov, E. N.*: Macroradical Reactivity Studied by Electron Spin Resonance. Vol. 3, pp. 688–711.
- Bucknall, C. B.*: Fracture and Failure of Multiphase Polymers and Polymer Composites. Vol. 27, pp. 121–148.
- Bywater, S.*: Polymerization Initiated by Lithium and Its Compounds. Vol. 4, pp. 66–110.
- Bywater, S.*: Preparation and Properties of Star-branched Polymers. Vol. 30, pp. 89–116.
- Carrick, W. L.*: The Mechanism of Olefin Polymerization by Ziegler-Natta Catalysts. Vol. 12, pp. 65–86.
- Casale, A. and Porter, R. S.*: Mechanical Synthesis of Block and Graft Copolymers. Vol. 17, pp. 1–71.
- Cerf, R.*: La dynamique des solutions de macromolecules dans un champ de vitesses. Vol. 1, pp. 382–450.
- Cesca, S., Priola, A., and Bruzzone, M.*: Synthesis and Modification of Polymers Containing a System of Conjugated Double Bonds. Vol. 32, pp. 1–67.
- Cicchetti, O.*: Mechanisms of Oxidative Photodegradation and of UV Stabilization of Polyolefins. Vol. 7, pp. 70–112.
- Clark, D. T.*: ESCA Applied to Polymers. Vol. 24, pp. 125–188.
- Coleman, Jr., L. E. and Meinhardt, N. A.*: Polymerization Reactions of Vinyl Ketones. Vol. 1, pp. 159–179.

- Crescenzi, V.*: Some Recent Studies of Polyelectrolyte Solutions. Vol. 5, pp. 358–386.
- Davydov, B. E. and Krentsel, B. A.*: Progress in the Chemistry of Polyconjugated Systems. Vol. 25, pp. 1–46.
- Dole, M.*: Calorimetric Studies of States and Transitions in Solid High Polymers. Vol. 2, pp. 221–274.
- Dreyfuss, P. and Dreyfuss, M. P.*: Polytetrahydrofuran. Vol. 4, pp. 528–590.
- Dušek, K. and Prins, W.*: Structure and Elasticity of Non-Crystalline Polymer Networks. Vol. 6, pp. 1–102.
- Eastham, A. M.*: Some Aspects of the Polymerization of Cyclic Ethers. Vol. 2, pp. 18–50.
- Ehrlich, P. and Mortimer, G. A.*: Fundamentals of the Free-Radical Polymerization of Ethylene. Vol. 7, pp. 386–448.
- Eisenberg, A.*: Ionic Forces in Polymers. Vol. 5, pp. 59–112.
- Elias, H.-G., Bareiss, R. und Watterson, J. G.*: Mittelwerte des Molekulargewichts und anderer Eigenschaften. Vol. 11, pp. 111–204.
- Fischer, H.*: Freie Radikale während der Polymerisation, nachgewiesen und identifiziert durch Elektronenspinresonanz. Vol. 5, pp. 463–530.
- Fujita, H.*: Diffusion in Polymer-Diluent Systems. Vol. 3, pp. 1–47.
- Funke, W.*: Über die Strukturaufklärung vernetzter Makromoleküle, insbesondere vernetzter Polyesterharze, mit chemischen Methoden. Vol. 4, pp. 157–235.
- Gal'braikh, L. S. and Rogovin, Z. A.*: Chemical Transformations of Cellulose. Vol. 14, pp. 87–130.
- Gallot, B. R. M.*: Preparation and Study of Block Copolymers with Ordered Structures, Vol. 29, pp. 85–156.
- Gandini, A.*: The Behaviour of Furan Derivatives in Polymerization Reactions. Vol. 25, pp. 47–96.
- Gerrens, H.*: Kinetik der Emulsionspolymerisation. Vol. 1, pp. 234–328.
- Goethals, E. J.*: The Formation of Cyclic Oligomers in the Cationic Polymerization of Heterocycles. Vol. 23, pp. 103–130.
- Graessley, W. W.*: The Entanglement Concept in Polymer Rheology. Vol. 16, pp. 1–179.
- Hay, A. S.*: Aromatic Polyethers. Vol. 4, pp. 496–527.
- Hayakawa, R. and Wada, Y.*: Piezoelectricity and Related Properties of Polymer Films. Vol. 11, pp. 1–55.
- Heitz, W.*: Polymeric Reagents. Polymer Design, Scope, and Limitations. Vol. 23, pp. 1–23.
- Helffferich, F.*: Ionenaustausch. Vol. 1, pp. 329–381.
- Hendra, P. J.*: Laser-Raman Spectra of Polymers. Vol. 6, pp. 151–169.
- Henrici-Olivé, G. und Olivé, S.*: Kettenübertragung bei der radikalischen Polymerisation. Vol. 2, pp. 496–577.
- Henrici-Olivé, G. und Olivé, S.*: Koordinative Polymerisation an löslichen Übergangsmetall-Katalysatoren. Vol. 6, pp. 421–472.
- Henrici-Olivé, G. und Olivé, S.*: Oligomerization of Ethylene with Soluble Transition-Metal Catalysts. Vol. 15, pp. 1–30.
- Henrici-Olivé, G. und Olivé, S.*: Molecular Interactions and Macroscopic Properties of Polyacrylonitrile and Model Substances. Vol. 32, pp. 123–152.
- Hermans, Jr., J., Lohr, D., and Ferro, D.*: Treatment of the Folding and Unfolding of Protein Molecules in Solution According to a Lattice Model. Vol. 9, pp. 229–283.
- Holzmüller, W.*: Molecular Mobility, Deformation and Relaxation Processes in Polymers. Vol. 26, pp. 1–62.
- Hutchison, J. and Ledwith, A.*: Photoinitiation of Vinyl Polymerization by Aromatic Carbonyl Compounds. Vol. 14, pp. 49–86.
- Iizuka, E.*: Properties of Liquid Crystals of Polypeptides : with Stress on the Electromagnetic Orientation. Vol. 20, pp. 79–107.
- Ikada, Y.*: Characterization of Graft Copolymers. Vol. 29, pp. 47–84.
- Imanishi, Y.*: Syntheses, Conformation, and Reactions of Cyclic Peptides. Vol. 20, pp. 1–77.
- Inagaki, H.*: Polymer Separation and Characterization by Thin-Layer Chromatography. Vol. 24, pp. 189–237.

- Inoue, S.*: Asymmetric Reactions of Synthetic Polypeptides. Vol. 21, pp. 77-106.
- Ise, N.*: Polymerizations under an Electric Field. Vol. 6, pp. 347-376.
- Ise, N.*: The Mean Activity Coefficient of Polyelectrolytes in Aqueous Solutions and Its Related Properties. Vol. 7, pp. 536-593.
- Isihara, A.*: Intramolecular Statistics of a Flexible Chain Molecule. Vol. 7, pp. 449-476.
- Isihara, A.*: Irreversible Processes in Solutions of Chain Polymers. Vol. 5, pp. 531-567.
- Isihara, A. and Guth, E.*: Theory of Dilute Macromolecular Solutions. Vol. 5, pp. 233-260.
- Janeschitz-Kriegl, H.*: Flow Birefringence of Elastico-Viscous Polymer Systems. Vol. 6, pp. 170-318.
- Jennings, B. R.*: Electro-Optic Methods for Characterizing Macromolecules in Dilute Solution. Vol. 22, pp. 61-81.
- Kawabata, S. and Kawai, H.*: Strain Energy Density Functions of Rubber Vulcanizates from Biaxial Extension. Vol. 24, pp. 89-124.
- Kennedy, J. P. and Chou, T.*: Poly(isobutylene-co- β -Pinene): A New Sulfur Vulcanizable, Ozone Resistant Elastomer by Cationic Isomerization Copolymerization. Vol. 21, pp. 1-39.
- Kennedy, J. P. and Gillham, J. K.*: Cationic Polymerization of Olefins with Alkylaluminum Initiators. Vol. 10, pp. 1-33.
- Kennedy, J. P. and Johnston, J. E.*: The Cationic Isomerization Polymerization of 3-Methyl-1-butene and 4-Methyl-1-pentene. Vol. 19, pp. 57-95.
- Kennedy, J. P. and Langer, Jr., A. W.*: Recent Advances in Cationic Polymerization. Vol. 3, pp. 508-580.
- Kennedy, J. P. and Otsu, T.*: Polymerization with Isomerization of Monomer Preceding Propagation. Vol. 7, pp. 369-385.
- Kennedy, J. P. and Rengachary, S.*: Correlation Between Cationic Model and Polymerization Reactions of Olefins. Vol. 14, pp. 1-48.
- Kennedy, Y. P. and Trivedi, P. D.*: Cationic Olefin Polymerization Using Alkyl Halide - Alkylaluminum Initiator Systems. I. Reactivity Studies. II. Molecular Weight Studies. Vol. 28, pp. 83-151.
- Kissin, Yu. V.*: Structures of Copolymers of High Olefins. Vol. 15, pp. 91-155.
- Kitagawa, T. and Miyazawa, T.*: Neutron Scattering and Normal Vibrations of Polymers. Vol. 9, pp. 335-414.
- Kitamaru, R. and Horii, F.*: NMR Approach to the Phase Structure of Linear Polyethylene. Vol. 26., pp. 139-180.
- Knappe, W.*: Wärmeleitung in Polymeren. Vol. 7, pp. 477-535.
- Koningsveld, R.*: Preparative and Analytical Aspects of Polymer Fractionation. Vol. 7,
- Kovacs, A. J.*: Transition vitreuse dans les polymers amorphes. Etude phénoménologique. Vol. 3, pp. 394-507.
- Krässig, H. A.*: Graft Co-Polymerization of Cellulose and Its Derivatives. Vol. 4, pp. 111-156.
- Kraus, G.*: Reinforcement of Elastomers by Carbon Black. Vol. 8, pp. 155-237.
- Kreutz, W. and Welte, W.*: A General Theory for the Evaluation of X-Ray Diagrams of Biomembranes and Other Lamellar Systems. Vol. 30, pp. 161 - 225.
- Krimm, S.*: Infrared Spectra of High Polymers. Vol. 2, pp. 51-72.
- Kuhn, W., Ramel, A., Walters, D. H., Ebner, G. and Kuhn, H. J.*: The Production of Mechanical Energy from Different Forms of Chemical Energy with Homogeneous and Cross-Striated High Polymer Systems. Vol. 1, pp. 540-592.
- Kunitake, T. and Okahata, Y.*: Catalytic Hydrolysis by Synthetic Polymers. Vol. 20, pp.159-221.
- Kurata, M. and Stockmayer, W. H.*: Intrinsic Viscosities and Unperturbed Dimensions of Long Chain Molecules. Vol. 3, pp. 196-312.
- Ledwith, A. and Sherrington, D. C.*: Stable Organic Cation Salts: Ion Pair Equilibria and Use in Cationic Polymerization. Vol. 19, pp. 1-56.
- Lee, C.-D. S. and Daly, W. H.*: Mercaptan-Containing Polymers. Vol. 15, pp. 61-90.
- Lipatov, Y. S.*: Relaxation and Viscoelastic Properties of Heterogeneous Polymeric Compositions. Vol. 22, pp. 1-59.
- Lipatov, Y. S.*: The Iso-Free-Volume State and Glass Transitions in Amorphous Polymers: New Development of the Theory. Vol. 26, pp.

- Mano, E. B. and Coutinho, F. M. B.*: Grafting on Polyamides. Vol. 19, pp. 97-116.
- Mengoli, G.*: Feasibility of Polymer Film Coating Through Electroinitiated Polymerization in Aqueous Medium. Vol. 33, pp. 1-31.
- Meyerhoff, G.*: Die viscosimetrische Molekulargewichtsbestimmung von Polymeren. Vol. 3, pp. 59-105.
- Millich, F.*: Rigid Rods and the Characterization of Polyisocyanides. Vol. 19, pp. 117-141.
- Morawetz, H.*: Specific Ion Binding by Polyelectrolytes. Vol. 1, pp. 1-34.
- Mulvaney, J. E., Oversberger, C. C., and Schiller, A. M.*: Anionic Polymerization. Vol. 3, pp. 106-138.
- Okubo, T. and Ise, N.*: Synthetic Polyelectrolytes as Models of Nucleic Acids and Esterases. Vol. 25, pp. 135-181.
- Osaki, K.*: Viscoelastic Properties of Dilute Polymer Solutions. Vol. 12, pp. 1-64.
- Oster, G. and Nishijima, Y.*: Fluorescence Methods in Polymer Science. Vol. 3, pp. 313-331.
- Overberger, C. G. and Moore, J. A.*: Ladder Polymers. Vol. 7, pp. 113-150.
- Patat, F., Killmann, E. und Schiebener, C.*: Die Absorption von Makromolekülen aus Lösung. Vol. 3, pp. 332-393.
- Peticolas, W.L.*: Inelastic Laser Light Scattering from Biological and Synthetic Polymers. Vol. 9, pp. 285-333.
- Pino, P.*: Optically Active Addition Polymers. Vol. 4, pp. 393-456.
- Plate, N. A. and Noah, O. V.*: A Theoretical Consideration of the Kinetics and Statistics of Reactions of Functional Groups of Macromolecules. Vol. 31, pp. 133-173.
- Plesch, P. H.*: The Propagation Rate-Constants in Cationic Polymerisations. Vol. 8, pp. 137-154.
- Porod, G.*: Anwendung und Ergebnisse der Röntgenkleinwinkelstreuung in festen Hochpolymeren. Vol. 2, pp. 363-400.
- Postelnek, W., Coleman, L. E., and Lovelace, A. M.*: Fluorine-Containing Polymers. I. Fluorinated Vinyl Polymers with Functional Groups, Condensation Polymers, and Styrene Polymers. Vol. 1, pp. 75-113.
- Rempp, P., Herz, J., and Borchard, W.*: Model Networks. Vol. 26, pp. 107-137.
- Rogovin, Z. A. and Gabrielyan, G. A.*: Chemical Modifications of Fibre Forming Polymers and Copolymers of Acrylonitrile. Vol. 25, pp. 97-134.
- Roha, M.*: Ionic Factors in Steric Control. Vol. 4, pp. 353-392.
- Roha, M.*: The Chemistry of Coordinate Polymerization of Dienes. Vol. 1, pp. 512-539.
- Safford, G. J. and Naumann, A. W.*: Low Frequency Motions in Polymers as Measured by Neutron Inelastic Scattering. Vol. 5, pp. 1-27.
- Schuerch, C.*: The Chemical Synthesis and Properties of Polysaccharides of Biomedical Interest. Vol. 10, pp. 173-194.
- Schulz, R. C. und Kaiser, E.*: Synthese und Eigenschaften von optisch aktiven Polymeren. Vol. 4, pp. 236-315.
- Seanor, D. A.*: Charge Transfer in Polymers. Vol. 4, pp. 317-352.
- Seidl, J., Malinský, J., Dušek, K. und Heitz, W.*: Makroporöse Styrol-Divinylbenzol-Copolymere und ihre Verwendung in der Chromatographie und zur Darstellung von Ionenaustauschern. Vol. 5, pp. 113-213.
- Semjonow, V.*: Schmelzviskositäten hochpolymerer Stoffe. Vol. 5, pp. 387-450.
- Semlyen, J. A.*: Ring-Chain Equilibria and the Conformations of Polymer Chains. Vol. 21, pp. 41-75.
- Sharkey, W. H.*: Polymerizations Through the Carbon-Sulphur Double Bond. Vol. 17, pp. 73-103.
- Shimidzu, T.*: Cooperative Actions in the Nucleophile-Containing Polymers. Vol. 23, pp. 55-102.
- Slichter, W. P.*: The Study of High Polymers by Nuclear Magnetic Resonance. Vol. 1, pp. 35-74.
- Small, P. A.*: Long-Chain Branching in Polymers. Vol. 18, pp. 173-220.
- Smets, G.*: Block and Graft Copolymers. Vol. 2, pp. 173-220.
- Sohma, J. and Sakaguchi, M.*: ESR Studies on Polymer Radicals Produced by Mechanical Destruction and Their Reactivity. Vol. 20, pp. 109-158.

- Sotobayashi, H.* and *Springer, J.*: Oligomere in verdünnten Lösungen. Vol. 6, pp. 473–548.
- Sperati, C. A.* and *Starkweather, Jr., H. W.*: Fluorine-Containing Polymers. II. Polytetrafluoroethylene. Vol. 2, pp. 465–495.
- Sprung, M. M.*: Recent Progress in Silicone Chemistry. I. Hydrolysis of Reactive Silane Intermediates. Vol. 2, pp. 442–464.
- Stahl, E.* and *Brüderle, V.*: Polymer Analysis by Thermofractography. Vol. 30, pp. 1 – 88.
- Stannett, V. T., Koros, W. J., Paul, D. R., Lonsdale, H. K., and Baker, R. W.*: Recent Advances in Membrane Science and Technology. Vol. 32, pp. 69–121.
- Stille, J. K.*: Diels-Alder Polymerization. Vol. 3, pp. 48–58.
- Stolka, M.* and *Pai, D.*: Polymers with Photoconductive Properties. Vol. 29, pp. 1–45.
- Subramanian, R. V.*: Electroinitiated Polymerization on Electrodes. Vol. 33, pp. 33–58.
- Sumitomo, H.* and *Okada, M.*: Ring-Opening Polymerization of Bicyclic Acetals, Oxalactone, and Oxalactam. Vol. 28, pp. 47–82.
- Szegö, L.*: Modified Polyethylene Terephthalate Fibers. Vol. 31, pp. 89 – 131.
- Szwarc, M.*: Termination of Anionic Polymerization. Vol. 2, pp. 275–306.
- Szwarc, M.*: The Kinetics and Mechanism of N-carboxy- α -amino-acid Anhydride (NCA) Polymerization to Poly-amino Acids. Vol. 4, pp. 1–65.
- Szwarc, M.*: Thermodynamics of Polymerization with Special Emphasis on Living Polymers. Vol. 4, pp. 457–495.
- Tani, H.*: Stereospecific Polymerization of Aldehydes and Epoxides. Vol. 11, pp. 57–110.
- Tate, B. E.*: Polymerization of Itaconic Acid and Derivatives. Vol. 5, pp. 214–232.
- Tazuke, S.*: Photosensitized Charge Transfer Polymerization. Vol. 6, pp. 321–346.
- Teramoto, A.* and *Fujita, H.*: Conformation-dependent Properties of Synthetic Polypeptides in the Helix-Coil Transition Region. Vol. 18, pp. 65–149.
- Thomas, W. M.*: Mechanism of Acrylonitrile Polymerization. Vol. 2, pp. 401–441.
- Tobolsky, A. V.* and *DuPré, D. B.*: Macromolecular Relaxation in the Damped Torsional Oscillator and Statistical Segment Models. Vol. 6, pp. 103–127.
- Tosi, C.* and *Ciampelli, F.*: Applications of Infrared Spectroscopy to Ethylene-Propylene Copolymers. Vol. 12, pp. 87–130.
- Tosi, C.*: Sequence Distribution in Copolymers: Numerical Tables. Vol. 5, pp. 451–462.
- Tsuchida, E.* and *Nishide, H.*: Polymer-Metal Complexes and Their Catalytic Activity. Vol. 24, pp. 1–87.
- Tsuji, K.*: ESR Study of Photodegradation of Polymers. Vol. 12, pp. 131–190.
- Tuzar, Z., Kratochvíl, P., and Bohdanecký, M.*: Dilute Solution Properties of Aliphatic Polyamides. Vol. 30, pp. 117–159.
- Valvassori, A.* and *Sartori, G.*: Present Status of the Multicomponent Copolymerization Theory. Vol. 5, pp. 28–58.
- Voorn, M. J.*: Phase Separation in Polymer Solutions. Vol. 1, pp. 192–233.
- Werber, F. X.*: Polymerization of Olefins on Supported Catalysts. Vol. 1, pp. 180–191.
- Wichterle, O., Šebenda, J., and Králiček, J.*: The Anionic Polymerization of Caprolactam. Vol. 2, pp. 578–595.
- Wilkes, G. L.*: The Measurement of Molecular Orientation in Polymeric Solids. Vol. 8, pp. 91–136.
- Williams, G.*: Molecular Aspects of Multiple Dielectric Relaxation Processes in Solid Polymers. Vol. 33, pp. 59–92.
- Williams, J. G.*: Applications of Linear Fracture Mechanics. Vol. 27, pp. 67–120.
- Wöhrle, D.*: Polymere aus Nitrilen. Vol. 10, pp. 35–107.
- Wolf, B. A.*: Zur Thermodynamik der enthalpisch und der entropisch bedingten Entmischung von Polymerlösungen. Vol. 10, pp. 109–171.
- Woodward, A. E.* and *Sauer, J. A.*: The Dynamic Mechanical Properties of High Polymers at Low Temperatures. Vol. 1, pp. 114–158.
- Wunderlich, B.* and *Baur, H.*: Heat Capacities of Linear High Polymers. Vol. 7, pp. 151–368.
- Wunderlich, B.*: Crystallization During Polymerization. Vol. 5, pp. 568–619.
- Wrasidlo, W.*: Thermal Analysis of Polymers. Vol. 13, pp. 1–99.

- Yamashita, Y.*: Random and Block Copolymers by Ring-Opening Polymerization. Vol. 28, pp. 1-46.
- Yamazaki, N.*: Electrolytically Initiated Polymerization. Vol. 6, pp. 377-400.
- Yoshida, H. and Hayashi, K.*: Initiation Process of Radiation-induced Ionic Polymerization as Studied by Electron Spin Resonance. Vol. 6, pp. 401-420.
- Yuki, H. and Hatada, K.*: Stereospecific Polymerization of Alpha-Substituted Acrylic Acid Esters. Vol. 31, pp. 1 - 45.
- Zachmann, H. G.*: Das Kristallisations- und Schmelzverhalten hochpolymerer Stoffe. Vol. 3, pp. 581-687.
- Zambelli, A. and Tosi, C.*: Stereochemistry of Propylene Polymerization. Vol. 15, pp. 31-60.