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b. Book II, 1970-1977, Papers and Patents, 1970-1977, pp. 1-693

Book Chapters

O. Vogl, Polymerization of Higher Aldehydes, Advances in Chemistry Series, 52, 67 (1966).

O. Vogl, Elastomeric Polyacetals in J.P. Kennedy and E.G.M. Tornqvist, Polymer Chemistry of Synthetic Elastomers by Cationic Polymerization. I., p. 419, Interscience, New York, 1968.

A. Tsukamoto and O. Vogl, Cationic Polymerization in A. Jenkins, Progress in Polymer Science, Vol. 3, p. 199, Pergamon Press, Oxford, 1971.

Patents

Italian Patent 804 395 (1968), Appl. 17387A/67 Copolimeri Cloralio-Isocianato

Italian Patent 823 406 (1968), Appl. 20580/67 Copolimeri Cloralio Chetene

Publications

O. Vogl, H.C. Miller and W.H. Sharkey, Monomer-Cast Chloral Polymers, Macromolecules, 5, 658 (1972).

O. Vogl, H.C. Miller and W.H. Sharkey, Polychloral by Monomer Casting, C. & E. News, March 10, 1972.

O. Vogl, International and Interdisciplinary Cooperation of Polymer Scientists, Polymer Reaction Series Volume 5 (Japan) 2, (1972) (T. Saegusa, T. Otsu and T. Higashimura, Eds.

O. Vogl, Polymerization of Heterocyclics, 23rd. IUPAC Congress on Organic Chemistry and Macromolecular Chemistry, Boston, 1971, p. 92.

H. Chang, D. Stevenson and O. Vogl, Regular Copolyoxamides as Reverse Osmosis Membranes; Abstracts 4th. NERM, Hartford 1972, #139.

P. Kubisa and O. Vogl, Anionic Polymerization of Chloral; Abstracts, 5th NERM, Rochester 1973, #120.

T. Tanaka and O. Vogl, Preparation of Pure Head to Head Polymers. I: Poly(methyl cinnamate); Abstracts 5th. NERM, Rochester 1973, #113.

B. Yamada and O. Vogl, Polymers from Chlorofluoroacetaldehydes, Abstracts 5th NERM, Rochester 1973, #121.

I. Negulescu and 0. Vogl, Multiple Transitions in Aliphatic Aldehyde Polymers; Abstracts 5th NERM, Rochester 1973,'0200.

I. Negulescu, R. Krzewski and O. Vogl, Multiple Transitions in Higher Polyaldehydes; IUPAC international Symposium on Macromolecules, Aberdeen 1973, Paper #A-27.

O. Vogl, Cationic Polymerization of Aldehydes, Makromol. Chem.,175, 1281 (1974).

T. Tanaka and O. Vogl, Preparation and Characterization of Head to Head Polymers. I: Head to Head Poly(methyl cinnamate), Polymer J. (Japan) 6, 522 (1974).

T. Tanaka and O. Vogl, Preparation and Characterization of Head to Head Polymers. II: Head to Head Poly(methyl acrylate), J. Macromol. Sci. Chem., A 8(6), 1059 (1974).

T. Suzuki, E.R. Santee, H.J. Harwood, O. Vogl and T. Tanaka, Measurement of Tetrad Configurations in Poly(methyl acrylate) by 300 MHz PMR Spectroscopy, J. Polymer Sci., B 12, 635 (1974).

B. Yamada and O. Vogl, Preparation and Polymerization of Chlorofluoroacetaldehydes, Abstracts 25th. Annual Meeting, Soc. of Polym. Sci., Japan, #178, 1974, Tokyo, Japan

H.J. Chang and O. Vogl, Preparation of Regular Aliphatic Copolyoxamides; Abstracts 6th NERM, Burlington 1974, #163.

D.W. Lipp and 0. Vogl, Synthesis and Polymerization of Bromodichloroacetaldehyde; Abstracts 6th NERM, Burlington 1974, #164.

D.E. Bailey and O. Vogl, Synthesis and Polymerization of Methyl 5-Vinylsalicylate; Abstracts 6th NERM, Burlington 1974, #165.

P. Kubisa and O. Vogl, Nowa Metoda Polymerizacji Chloralu w Mastie,Polimery 19, 527 (1974).

P. Kincaid, T. Tanaka and O. Vogl, Pure Head to Head Polymers, Polymer Preprints, ACS Polymer Division, 15(2), 222 (1974).

H.J. Chang, D. Stevenson and O. Vogl, Regular Aliphatic Copolyoxamides, Polymer Preprints, ACS Polymer Division, 15(2), 417 (1974).

D. Stevenson, R.A. Gaudiana and O. Vogl, Regular Aliphatic-Aromatic Copolyoxamides, Polymer Preprints, ACS Polymer Division, 15(2), 426 (1974).

I. Negulescu and O. Vogl, Structure of Crystalline Polymers from n-Valer-, n-Hex-, n-Hept-, and n-Octaldehyde; IUPAC International Symposium on Macromolecules, Madrid, 1974, A 68.2, III. 5-16.

T. Tanaka and O. Vogl, Preparation and Characterization of Head to Head Polymers. III: Head to Head Poly(methyl crotonate), J. Macromol. Sci. Chem., A8(8), 1299 (1974).

I. Negulescu and O. Vogl, Phase Transitions on Crystalline Higher Aliphatic Polyaldehydes, J. Polymer Sci., B 13, 17 (1975).

P. Kubisa and O. Vogl, Haloaldehyde Polymers. I: Chain Termination in Anionic Chloral Polymerization, Polymer J. (Japan) 7, 186 (1975).

O. Vogl, Kinetics of Aldehyde Polymerization, J. Macromol. Sci., Revs. Macromol. Chem., C12(l), 109 (1975).

I. Negulescu, J. Starr and O. Vogl, Glass Transitions in Aliphatic Aldehyde Polymers; IUPAC Symposium on Macromolecules, Jerusalem, 1975.

L. Demejo, W. MacKnight and O. Vogl, Preparation and Characterization of Polyoxymethylene Ionomers, Abst. Papers, 18th Canadian High Polymer Forum, Hamilton, 1975, #17.

D. Tirrell and O. Vogl, Characterization of Polyamide Desalination Membranes, Abstracts Papers,18th Canadian High Polymer Forum, Hamilton, 1975, #32.

P. Kubisa and O. Vogl, Haloaldehyde Polymers. II: Cationic Polymerization of Chloral, Vysokomol. Soedin., 17, 929 (1975).

O. Vogl, Review and Future of Ionic Polymerization with Special Emphasis on Carbonyl Polymerization, J. Macromol. Sci. Chem., A9(5), 663 (1975).

O. Vogl and K. Hatada, PMR Line Broadening of Small Molecules in the RiFi.(l Polychloral Matrix, Haloaldehyde Polymers III., J. Polymer Sci., Letter Ed., 13, 603 (1975).

D.A. Roberts, Reverse Osmosis Desalination, Polymer News IT (11/12), 26 (1975).

G. Sheldrick and O. Vogl, Induced Photodegradation of Styrene Polymers, Polymer Eng. Sci., 16(2), 65 (1976).

P. Kubisa, I. Negulescu, K. Hatada, D.W. Lipp, J. Starr, B. Yamada and O. Vogl, New Developments in Cationic and Anionic Aldehyde Polymerization, Pure and Applied Chem., 48, 275 (1976).

R.W. Campbell and O. Vogl, Synthesis and Polymerization of Bromodifluoroacetaldehyde and Dibromofluoroacetaldehyde, Abstr. of Papers, 7th NERM, #310, Albany (1976).

J. Starr and O. Vogl, Preparation of Crystalline Poly(n-Nonaldehyde), Poly(n-Decaldehyde), and Poly(n-Undecaldehyde) and their Crystalline Behavior, Abstr. of Papers, 7th NERM, #31-1, Albany (1976).

D. Tirrell and O. Vogl, Synthesis and Polymerization of 2,4-Dihydroxy-4'-Vinylbenzophenone, Abstr. of Papers, 7th NERM, #312, Albany (1976).

C. Dudgeon and O. Vogl, Bis-Orthoesters as Polymer Intermediates: Polybenzimidazoles and Purine Containing Polymers, Abstr. of Papers, 7th NERM, #313, Albany (1976).

L.S. Corley and O. Vogl, PMR Stildies of the Rates of Chloral Homo- and Copolymerization, Abstr. of Papers, 7th NERM, #314, Albany (1-976).

I. Negulescu and O. Vogl, Higher Aliphatic Polyaldehydes II., Polymer Structure and Polymer Stability of Poly(n-heptaldehyde), J. Polymer Sci., Polym. Chem. Ed., 14, 2415 (1976).

J.S.. Wood, I. Negulescu and O. Vogl, Higher Aliphatic Polyaldehydes Ill.,Crystal Structure, Crystallinity and Melting Transitions of Isotactic Poly(n-heptaldehyde), J. Macromol. Sci. Chem., All(l), 171- (1977).

I. Negulescu and O. Vogl, Higher Aliphatic Polyaldehydes IV: Transitions in Poly(n-valeraldehyde), Poly(n-hexaldehyde), Poly(n-heptaldehyde) and Poly(n-octaldehyde), J. Polymer Sci., Polym. Chem. Ed., 14, 2995 (1976).

O. Vogl, Future of Polymer Science and Polymer Industry, Kobunshi Kagaku 25, 826 (1976).

D. Tirrell, D.B. Bailey and O. Vogl, Polymers with Ultraviolet Absorbers as Functional Groups, Polymer Preprints, ACS Polymer Division-, 18(i), 542 (1977), (Functional Polymers 1.).

D. Bailey, D. Tirrell and O. Vogl, Functional Polymers II., Preparation and Polymerization of Methyl 5-Vinylsalicylate, Methyl 5-Vinylacetylsalicylate, 5-Vinylsalicylic Acid, and 5-Vinylacetylsalicylic Acid, J. Polymer Sci., Polymer Chem. Ed., 14, 2725 (1976).

P. Kubisa and O. Vogl, Chloral Polymers by Cryotachensic Polymerization, Macromol. Synthesis, 6, 49 (1977).

L.S. Corley, P. Kubisa and O. Vogl, Haloaldehyde Polymers V., Polymer Blends Involving Chloral Polymers, Polymer J. (Japan), 9(l), 47 (1977).

D.W. Lipp, R.W. Campbell and O. Vogl, Stereoregularity as a Function of Side Chain Size in Perhaloaldehyde Polymerization, Polymer Preprints, ACS Polymer Division, 18(l), 40 (1977), (Haloaldehyde Polymers VI.).

B. Yamada, R.W. Campbell and O. Vogl, Haloaldehyde Polymers VIT Polymerization of Chlorodifluoroacetaldehyde, J. Polymer Sci., Polym. Chem. Ed., 15, 1.123 (1977).

B. Yamada, R.W. Campbell and O. Vogl, Haloaldehyde Polymers VTII., Preparation and Polymerization of Dichlorofluoroacetaldehyde, Polymer J. (Japan), 9(l), 23 (1977).

R.W. Campbell and O. Vogl, A Practical Synthesis of Tetrachloroethylene Oxide, J. Macromol. Sci. Chem., All(3), 515 (1977).

Patents

U.S. Patent 3,917,546 (1975), Otto F. Vogl, Chloral Copolymers

U.S. Patent 3,932,318 (1976), Otto F. Vogl, Chloral Copolymers

U.S. Patent 3,935,172 (1976), Otto F. Vogl and Donald R. Stevenson, Regular Copolyamides as Desalination Membranes

U.S. Patent 4,002,563 (1977), Otto F. Vogl and Donald R. Stevenson, Regular Copolyamides as Desalination Membranes