

CITATION REPORT

List of articles citing

The Temperature Dependence of Relaxation Mechanisms in Amorphous Polymers and Other Glass-forming Liquids

DOI: 10.1021/ja01619a008

Journal of the American Chemical Society, 1955, 77, 3701-3707

Source: <https://exaly.com/paper-pdf/6734070/citation-report.pdf>

Version: 2024-04-24

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
2263	Rheokinetics models for epoxy molding compounds used in IC encapsulation.		5
2262	Controlled Structure Evolution of Graphene Networks in Polymer Composites.		
2261	.		
2260	Substrate Stiffness-Dependent Carbon Nanotube-Induced Lung Fibrogenesis.		
2259	Distortion of Chain Conformation and Reduced Entanglement in PolymerGraphene Oxide Nanocomposites.		
2258	Local and Global Stretching of Polymer Chains during Startup of Extensional Flow.		
2257	Dynamic mechanical properties of polymethyl acrylate. 1955 , 10, 474-481		31
2256	Nature of the Glass Transition in Polymers. 1956 , 25, 185-186		119
2255	Derivation of the WLF Equation for the Mobility of Molecules in Molten Glasses. 1956 , 24, 418-419		62
2254	Stress Relaxation Studies of the Viscoelastic Properties of Polymers. 1956 , 27, 673-685		151
2253	Dielectric Properties of Solid Alkyl Polymethacrylates. 1956 , 178, 1460-1461		1
2252	Molecular friction coefficients in polymers and their temperature dependence. 1956 , 148, 1-6		51
2251	Frequency and temperature dispersions of high polymers. 1956 , 11, 214-225		5
2250	Detailed Structure of Copolymers from Dielectric Measurements. 1956 , 27, 1003-1011		17
2249	Dynamic shear properties of some rubber-like materials. 1957 , 8, 194-201		12
2248	Dynamic Mechanical Properties of Polyhexene-1. 1957 , 28, 499-502		6
2247	Low-Frequency Dynamic Modulus of an Acrylonitrile-butadiene Rubber. 1957 , 28, 378-379		

2246	Effect of Pressure on Dielectric Properties and Volume of 1-Propanol and Glycerol. 1957 , 26, 196-200	51
2245	Dielectric Properties of Some Liquid Alkyl Halides. 1957 , 27, 259-264	55
2244	Pressure Effects in the Transformation Range of Glass. 1957 , 40, 211-214	15
2243	Stress-relaxation behavior of polyvinyl acetate films. 1957 , 12, 204-229	34
2242	Dynamic mechanical properties of poly-n-butyl methacrylate. 1957 , 12, 327-341	86
2241	Dynamic mechanical properties of poly-n-hexyl methacrylate. 1957 , 12, 389-399	51
2240	Mechanical properties of a polyurethane elastomer in the rubber-to-glass transition zone. 1957 , 12, 308-320	15
2239	Dynamic mechanical properties of polyethyl methacrylate. 1957 , 12, 53-67	78
2238	Dynamic mechanical properties of poly-n-octyl methacrylate. 1958 , 13, 103-113	57
2237	Correlation between dilatometric and viscoelastic data on a series of poly-n-alkyl methacrylates. 1958 , 13, 418-428	17
2236	Dielectric dispersion in methacrylate polymers and its correlation with mechanical properties. 1958 , 13, 459-471	40
2235	Free Volume Approach to Polystyrene Melt Viscosity. 1958 , 29, 1395-1398	35
2234	Stress Relaxation of Non-electrolytic Thermo-reversible Gels Concentration Dependence of Distribution Function of Relaxation Times. Polyvinyl Alcohol-Glycerin-Water Gels. 1958 , 31, 842-845	10
2233	Elastisches Verhalten von Polyvinylchlorid bei statischer und dynamischer Beanspruchung. 1959 , 167, 97-131	45
2232	Effects of blending on the stress-relaxation behavior of polyvinyl acetate in the rubbery region. 1959 , 14, 49-58	40
2231	On the viscoelastic properties of crystalline polymers. 1959 , 14, 377-384	12
2230	Dynamic mechanical properties and creep of poly-n-dodecyl methacrylate. 1959 , 14, 147-160	16
2229	Dynamic mechanical properties of concentrated solutions of poly-n-butyl methacrylate in diethyl phthalate. 1959 , 14, 222-238	20

2228	Molecular Transport in Liquids and Glasses. 1959 , 31, 1164-1169	3111
2227	Mobility of Molecules in Liquids near the Glass Temperature. 1959 , 30, 748-752	65
2226	Neuere physikalische Untersuchungen an Hochpolymeren. 1959 , 220-380	14
2225	Stress Relaxation of Thermo-Reversible Gels. Polyvinyl Alcohol-Congo Red-Water System. 1959 , 32, 1248-1251	7
2224	Volume Viscoelasticity of Polymers and Other Highly Dissipative Materials. 1960 , 15, 2324-2334	24
2223	Glass Transition Phenomena and Rheological Properties of Petroleum Asphalt. 1960 , 15, 1885-1894	26
2222	Note on the Monomeric Friction Coefficient of Poly-n-butyl Methacrylate in Diethyl Phthalate. 1960 , 33, 274-276	5
2221	Diffusion Coefficients for Amorphous Polymer and Water Systems. 1960 , 33, 988-992	36
2220	Stress Relaxation of Thermo-reversible Gels. Molecular Weight Dependence of Relaxation Spectrum. Polyvinyl Alcohol-Congo Red-Water System. 1960 , 33, 1568-1571	11
2219	The free volume interpretation of the dependence of viscosities and viscoelastic relaxation times on concentration, pressure, and tensile strain. 1960 , 171, 107-111	137
2218	Dynamic mechanical and creep properties of a 23% cellulose nitrate solution; Andrade creep in polymeric systems. 1960 , 15, 50-75	42
2217	Relation between maximum relaxation time and chain length. 1960 , 15, 282-283	5
2216	Comparisons of Viscoelastic Behavior in Seven Typical Polymer Systems. 1960 , 55-75	
2215	Time and Temperature Dependence of the Ultimate Properties of an SBR Rubber at Constant Elongations. 1960 , 31, 1892-1898	59
2214	Mechanical Properties and the Design of Solid Propellant Motors. 1960 , 67-100	1
2213	Stress as a Reduced Variable: Stress Relaxation of SBR Rubber at Large Strains. 1960 , 31, 1885-1891	26
2212	The Strain Analysis of Solid Propellant Rocket Grains. 1960 , 27, 574-586	5
2211	Interpretation of Viscosity Data for Concentrated Polymer Solutions. 1961 , 34, 393-398	96

2210	Diffusion in polymer-diluent systems. 1961 , 1-47	628
2209	DIELECTRIC RELAXATION IN LIQUIDS: II. ISOMERIC PENTANEDIOLS. 1961 , 39, 2139-2154	44
2208	The Dynamic Bulk and Shear Viscosities of Polyvinylchloride. 1961 , 16, 1793-1794	15
2207	Dielectric Band Dispersion in Polyvinyl Butyral (PVB). 1961 , 16, 1024-1024	7
2206	Stress Relaxation of Gels of Polyvinyl Alcohol-Glycerin-Water System. 1961 , 34, 1549-1552	4
2205	Free-Volume Model of the Amorphous Phase: Glass Transition. 1961 , 34, 120-125	982
2204	The creep properties of a rigid vinyl chloride /Vinylidene chloride copolymer. 1961 , 1, 603-607	
2203	Tensile stress relaxation behavior of methylmethacrylate and methylacrylate copolymers. 1961 , 16, 262-283	17
2202	Dynamic mechanical properties and creep of poly-2-ethyl butyl methacrylate. 1961 , 16, 166-181	10
2201	The rate of cure of network polymers and the superposition principle. 1961 , 2, 383-391	20
2200	Meeting. 1961 , 31, 608-608	
2199	Viscoelastic Properties of Rubberlike Composite Propellants and Filled Elastomers. 1961 , 31, 599-608	31
2198	Effect of Elongation and Temperature on the Recovery and Apparent Glass Transition Behavior of an Experimental Modacrylic Fiber. 1961 , 31, 399-409	20
2197	Method for Measuring Dynamic Mechanical Properties of Viscoelastic Liquids and Gels; the Gelation of Polyvinyl Chloride. 1961 , 32, 2305-2313	35
2196	Non-Newtonian Viscosity of Polymers. 1961 , 32, 2326-2331	22
2195	Recent Advances in Mechanical Properties Evaluation of Solid Propellants. 1962 , 32, 521-527	8
2194	Comparison Between Mechanical Relaxations Associated with Volume and shear Deformations in Styrene-Butadiene Rubber. 1962 , 17, 213-218	23
2193	Effects of curing accelerators on the viscoelastic properties of an oil modified phenolic resin. 1962 , 35, 2-6	

2192	Influence of Aromatic side chain on the viscoelastic properties of alkyd resin. 1962 , 35, 331-335	
2191	Empirical Relations of Thermodynamic " Constants" to the Activation Parameters of Polymer Relaxations. 1962 , 37, 2785-2790	53
2190	Kinetic experiments on the nature of the growth mechanism in oat coleoptile cells. 1962 , 4, 377-397	96
2189	Rate of Spherulitic Crystallization with Chain Folds in Polychlorotrifluoroethylene. 1962 , 37, 1723-1741	356
2188	On a General Relation Involving the Glass Temperature and Coefficients of Expansion of Polymers. 1962 , 37, 1003-1007	616
2187	Die Viskosität niedermolekularer, unpolarer Flüssigkeiten in Abhängigkeit von Temperatur, Druck und Konzentration. 1962 , 2, 164-174	6
2186	The influence of swelling by water vapour on the mechanical properties of a polymer. 1962 , 185, 119-125	3
2185	Viscoelastic properties of S?Se?As copolymers. 1962 , 17, 717-725	29
2184	Creep of high polymers. 1962 , 2, 74-81	
2183	High-speed testing—a new dimension in polymer evaluation. 1962 , 2, 140-144	
2182	Some effects of molecular weight distribution on the melt rheology of high density polyethylene. 1962 , 2, 222-226	3
2181	Mechanical and Dielectric Relaxation Phenomena and their Molecular-Physical Interpretation. 1962 , 1, 246-264	1
2180	Mechanische und dielektrische Relaxationserscheinungen und ihre molekülphysikalische Interpretation. 1962 , 74, 271-290	3
2179	Tensile stress relaxation behavior of polyvinyl acetals. 1962 , 17, 726-748	9
2178	Viscosity of moderately concentrated aqueous solutions of polyvinyl alcohol. 1962 , 17, 426-438	14
2177	A theory of dynamic rubber friction. 1963 , 6, 375-382	253
2176	Tensile stress relaxation behavior of semicrystalline polymers in terms of validity of time-temperature superposition. 1963 , 18, 119-131	7
2175	Visco-Elastic Properties and the Friction of Solids: Friction of Polymers : Influence of Speed and Temperature. 1963 , 197, 856-858	96

2174	Visco-Elastic Properties and the Friction of Solids: Relation between the Friction and Visco-elastic Properties of Rubber. 1963 , 197, 858-859	62
2173	Temperature dependence of dielectric relaxation behavior for various polymer systems. 1963 , 189, 116-125	52
2172	Transition temperatures in copolymers of acrylonitrile. 1963 , 192, 16-21	12
2171	Zur Theorie der Glas temperatur von Polymerhomologen, Copolymeren und weichgemachten Polymeren. 1963 , 190, 1-16	115
2170	Nuclear Magnetic Resonance Studies of Molecular Motion in Natural Rubber. 1963 , 34, 98-101	32
2169	Some Thermodynamic Aspects of the Glass Transition: Free Volume, Entropy, and Enthalpy Theories. 1963 , 39, 3369-3374	134
2168	THE STRUCTURAL ANALYSIS OF VISCOELASTIC MATERIALS. 1963 ,	2
2167	The Viscoelastic Properties of Oriented Nylon 66 Fibers: Part I: Creep at Low Loads and Anhydrous Conditions. 1963 , 33, 689-696	15
2166	Mechanical Dispersions in Polycarbonate. 1963 , 2, 695-701	4
2165	The determination of the dynamic elastic properties of supported films. 1963 , 14, 575-579	6
2164	Comparison of Dielectric and Mechanical Relaxation in Associated Liquids. 1963 , 39, 729-734	115
2163	Effect of Hydrostatic Pressures on the Crystallization Kinetics of Natural Rubber. 1963 , 34, 2312-2317	15
2162	RELATION OF MECHANICAL PROPERTIES TO SOLID ROCKET MOTOR FAILURE. 1963 , 1, 2116-2123	14
2161	Molecular Motion in Solid State Polymers. 1963 , 14, 343-502	41
2160	Mechanical Relaxations and Transitions in Polytetrafluoroethylene. 1964 , 3, 436-447	36
2159	Rheological Properties of Asphalt Manufactured from Petroleum Oils of Different Origins. 1964 , 3, 687-691	
2158	Glass Transition and Ionic Conductivity in Cellulose Acetate. 1964 , 35, 87-94	37
2157	Rate of Spherulitic Crystallization with Chain Folds in Polyoxymethylene. 1964 , 35, 1895-1897	15

2156	Thermal Activation Relations. 1964 , 40, 1792-1804	12
2155	Excess Entropy at Glass Transformation. 1964 , 40, 3731-3733	122
2154	Fracture of Amorphous Polymeric Solids: Time to Break. 1964 , 35, 3133-3141	38
2153	Nuclear Magnetic Resonance Studies of Molecular Motion in Some Elastomers. 1964 , 35, 3103-3108	17
2152	Effect of Pressure on the Viscosity and Dielectric Relaxation Time in Glycerol. 1964 , 41, 2666-2670	33
2151	Effect of Pressures (up to 4 kbar) on the Polymerization of Liquid Selenium from Measurements of Viscosity. 1964 , 41, 844-849	27
2150	Nuclear Magnetic Resonance in Poly (Normal Olefins). 1964 , 35, 10-14	21
2149	Effect of cyclic loading on the temperature in viscoelastic media with variable properties. 1964 , 2, 827-835	60
2148	Mechanical and dielectric relaxation of crystalline polymers in relation to degree of crystallinity and morphology. 1964 , 4, 169-177	3
2147	Theoretical aspects of polymer crystallization with chain folds: Bulk polymers. 1964 , 4, 315-362	27
2146	Thermal expansion and viscoelasticity of rubber in relation to crosslinking and molecular packing. 1964 , 5, 625-635	71
2145	The engineering analysis of linear photoviscoelastic materials. 1964 , 4, 249-262	36
2144	Theory and analysis of peel adhesion: Rate-temperature dependence of viscoelastic interlayers. 1964 , 19, 413-424	88
2143	Ultimate Tensile Properties of Elastomers. II. Comparison of Failure Envelopes for Unfilled Vulcanizates. 1964 , 35, 27-36	66
2142	Structural analysis of viscoelastic materials. 1964 , 2, 785-808	154
2141	Shear and Structural Relaxation in Molten Zinc Chloride. 1964 , 40, 13-26	63
2140	Crystallization of Poly-(Tetramethyl-p-Silphenylene)-Siloxane Polymers. 1964 , 35, 3249-3259	109
2139	The Viscometric Properties of Polyesters. II. Viscosity in the Range of Low Temperatures near the Glass Transition Point. 1964 , 37, 403-409	5

2138	Investigation on the measuring apparatus of dynamic Visco-elasticity of coating films. 1965 , 38, 483-489	
2137	On the Temperature Dependence of Cooperative Relaxation Properties in Glass-Forming Liquids—Comment on a Paper by Adam and Gibbs. 1965 , 43, 1852-1853	22
2136	Friction properties of high elastic materials. 1965 , 8, 8-21	42
2135	Rubberlike materials, their internal damping and role in vibration isolation. 1965 , 2, 175-193	16
2134	Kinetics of spherulitic crystallization. 1965 , 5, 22-28	2
2133	Dynamic mechanical properties of polymers.. a review— 1965 , 5, 171-178	3
2132	The nature of time effects in solid polymeric systems. 1965 , 5, 191-195	6
2131	Deformation and failure of plastics and elastomers. 1965 , 5, 270-279	26
2130	A review of the rheo-optical properties of linear high polymers. 1965 , 5, 105-114	26
2129	Zur Theorie der Volumenrelaxation der amorphen Polymeren. 1965 , 206, 143-147	7
2128	Dielektrische Untersuchungen an Polyvinylacetat während der isothermen Volumenkontraktion. 1965 , 204, 74-77	14
2127	Initiation and Growth of Viscoelastic Fracture. 1965 , 1, 292-310	66
2126	Transient thermal stresses in solid-propellant grains. 1965 , 2, 565-570	2
2125	Structural and Shear Relaxation in Liquids. 1965 , 281-349	48
2124	Design of a versatile liquid-fluorineliquid- hydrogen upper stage. 1965 , 2, 570-576	0
2123	Dynamic behaviour of rubber during moderate extensions. 1965 , 16, 241-251	6
2122	Nuclear Magnetic Relaxation and Dielectric Relaxation in Isoamyl Bromide. 1965 , 43, 1317-1322	14
2121	Dielectric Relaxation in Liquid Polypropylene Oxides. 1965 , 43, 4319-4325	139

2120	On the Temperature Dependence of Cooperative Relaxation Properties in Glass-Forming Liquids. 1965 , 43, 139-146	474 ^o
2119	Nonlinear mechanical behavior of solid propellants. 1965 ,	1
2118	On the Relative Roles of Free Volume and Activation Energy in the Viscosity of Liquids. 1965 , 42, 245-256	436
2117	Viscous behaviour of supercooled liquids. 1966 , 292, 322-342	199
2116	Physical Properties of Aromatic Hydrocarbons. I. Viscous and Viscoelastic Behavior of 1:3:5-Tri- β -Naphthyl Benzene. 1966 , 45, 3038-3050	233
2115	The mechanical properties of solid polymers. 1966 , 17, 3-32	29
2114	Some Consequences of the GibbsDiMarzio Theory of the Glass Transition. 1966 , 45, 964-967	21
2113	A cumulative-damage concept for propellant- liner bonds in solid rocket motors.. 1966 , 3, 408-412	7
2112	Statistical theory of the glass-rubber transition of high polymers. 1966 , 209, 5-19	5
2111	Struktur von Polytetrafluorthylen. 1966 , 213, 12-27	10
2110	Zur Temperaturabhângigkeit der dielektrischen Relaxationszeit von Polymeren bei hâeren Temperaturen. 1966 , 213, 88-92	2
2109	Visco-elastic properties of some homopolymers and copolymers in the glass-rubber transition region. 1966 , 5, 292-302	
2108	Dynamic mechanical properties of concentrated polystyrene-tricresyl phosphate solutions. 1966 , 21, 182-196	3
2107	Sorption and diffusion in polymers. 1966 , 2, 95-106	5
2106	Second-order visco-elasticity in a filled elastomer. 1966 , 2, 555-571	6
2105	The dynamic mechanical properties of some polyethers. 1966 , 7, 331-365	45
2104	The temperature dependence of viscoelastic behaviour in polyethylene terephthalate. 1966 , 7, 255-266	20
2103	The friction and visco-elastic properties of polymeric solids. 1966 , 9, 329-348	232

2102	Viscoelastic properties of polyvinyl acetates IV. Creep studies of plasticized fractions. 1966 , 21, 547-559	14
2101	Viscosity of Molten B ₂ O ₃ . 1966 , 49, 679-680	18
2100	Crystallization Kinetics of 1 : 3 : 5 Tri- β -Naphthyl Benzene. 1966 , 209, 70-71	25
2099	Charge Recombination in the Radiolysis of Liquid and Glassy Hydrocarbons. 1966 , 212, 281-282	6
2098	Failure behavior of composite hydrocarbon fuel binder propellants.. 1966 , 3, 265-267	7
2097	A New Synthetic Hydrocarbon Lubricant for Extreme-Temperature Applications. 1966 , 9, 1-12	8
2096	An experimental investigation of a liquid jet expelled into a vacuum.. 1966 , 3, 267-268	6
2095	Comparison of Expressions for Cooperative Properties in Glass-Forming Liquids. 1966 , 45, 2479-2481	7
2094	On the Macedo-Litovitz Hybrid Equation for Liquid Viscosity. 1966 , 44, 1362-1364	52
2093	Possible Experimental Equivalence of the Gibbs-DiMarzio and Free-Volume Theories of the Glass Transition. 1966 , 45, 1673-1678	51
2092	Test of Adam-Gibbs Liquid Viscosity Model with o-Terphenyl Specific-Heat Data. 1967 , 47, 2185-2190	96
2091	Physical Properties of Aromatic Hydrocarbons. III. A Test of the Adam-Gibbs Relaxation Model for Glass Formers Based on the Heat-Capacity Data of 1,3,5-tri- β -Naphthylbenzene. 1967 , 47, 2802-2807	97
2090	Physical Properties of Aromatic Hydrocarbons. II. Solidification Behavior of 1,3,5-Tri- β -Naphthylbenzene. 1967 , 46, 3757-3769	112
2089	Viscoelastic Relaxation Mechanism of Inorganic Polymers. V: Counterion Effects in Bulk Polyelectrolytes. 1967 , 1, 121-134	5
2088	An apparatus for measuring the dynamic elastic properties of bitumens. 1967 , 44, 375-378	8
2087	An Additive Functional Theory of Viscoelastic Deformation with Application to Amorphous Polymers, Solutions and Vulcanizates. 1967 , 22, 719-724	25
2086	The viscoelastic relaxation mechanism of inorganic polymers. III. The sodium polyphosphates. 1967 , 16, 3473-3489	11
2085	Zur Frage der Abhängigkeit der Relaxationszeit des dielektrischen Verhaltens der Polymeren vom freien Volumen. 1967 , 16, 4121-4131	7

2084	The theory of dielectric losses in amorphous polymers in the high-temperature range (above glass-transition point). 1967 , 16, 3365-3371	5
2083	Unsaturated Polyester Resin. 1967 , 40, 193-204	
2082	Ionic forces in polymers. 1967 , 59-112	39
2081	Proceedings of the XXXVII Meeting of the Israel Chemical Society and the Israel Biochemical Society held at Rehovot, 22-24 October 1967. 1967 , 5, 1p-152p	
2080	The Use of Depolymerised Natural Rubber as an Additive for Lubricating Oils. 1967 , 19, 433-436	1
2079	Observations on the Fracture of Viscoelastic Bodies. 1967 , 1, 64-81	35
2078	Kinetics of Selenium Spherulite Growth. 1967 , 40, 864-869	21
2077	ACCELERATED TESTING OF THE MECHANICAL AND THERMAL INTEGRITY OF POLYMERIC MATERIALS. 1967 ,	
2076	The relationship of performance characteristics to basic parameters of polymers. I. A collaborative study of polystyrene using torsion pendulum and impact methods. 1967 , 16, 3845-3864	6
2075	Glass Transition in o-Terphenyl. 1967 , 46, 1243-1251	178
2074	Viscosity of Several Liquid Hydrocarbons as a Function of Temperature, Pressure, and Free Volume. 1967 , 46, 2586-2598	102
2073	Viscous Flow and Electrical Conductance in Ionic Liquids: Temperature and Composition Dependence in the Light of the Zero Mobility Concept. 1967 , 46, 4673-4679	49
2072	Compact Rheometer for Dynamic Measurements on Polymer Solutions or Gels. 1967 , 38, 475-482	2
2071	ON MECHANICAL PROPERTIES OF UNFILLED AND FILLED ELASTOMERS. 1967 , 503-538	5
2070	THE FAILURE MECHANISM OF SOLID PROPELLANT GRAINS**Cleared PRA/SADSR-3/25/65.. 1967 , 539-574	2
2069	Etude sur le comportement viscoélastique des matériaux bitumineux par la méthode de fluage. 1967 , 6, 222-239	2
2068	The viscoelasticity and structure of fibrous proteins. 1967 , 218, 46-52	5
2067	Zur Temperaturabhängigkeit des dielektrischen Verhaltens von Polyvinylacetat im Hauptrelaxationsgebiet in der Umgebung und unterhalb der Glas-temperatur. 1967 , 216-217, 32-38	1

2066	Neuere Ergebnisse zur Deutung der Segmentbeweglichkeit der Polymeren durch die Theorie des freien Volumens. 1967 , 216-217, 46-50	
2065	Etude dilatométrique de la cristallisation et de la transformation polymorphe du polybutène Π isotactique. 1967 , 220, 1-18	14
2064	Rupture of elastomers as a viscoelastic process. 1967 , 7, 158-160	2
2063	The effect of extreme supercooling on the number of spherulitic centers in isotactic polystyrene. 1967 , 16, 1739-1749	5
2062	Mechanical properties of solid and liquid polymers. 1967 , 1, 321-341	7
2061	Theory of molecular-kinetic processes in glass melts. 1968 , 11, 72-79	2
2060	The viscosity of polymers and their concentrated solutions. 1968 , 261-357	576
2059	Mechanical and optical viscoelastic characterization of Hysol 4290. 1968 , 8, 561-566	18
2058	Rheological properties of polymethyl methacrylate and polyvinyl acetate in the molten state. 1968 , 222, 110-124	37
2057	Rheology of hyaluronic acid. 1968 , 6, 777-91	227
2056	Effect of Phosphorus Admixtures on Viscoelastic Properties of Selenium. 1968 , 26, K113-K117	1
2055	The influence of microstructural characteristics on the failure properties of a polybutadiene system. 1968 , 8, 89-100	
2054	A system of deformation data for rational engineering design with plastics. 1968 , 8, 101-109	4
2053	Application of time-temperature superposition principle to long term engineering properties of plastic materials. 1968 , 8, 151-160	38
2052	Nuclear magnetic resonance and activation energy of segmental motion in polymers. 1968 , 10, 773-783	4
2051	Physical Properties of Aromatic Hydrocarbons. IV. An Analysis of the Temperature Dependence of the Viscosity and the Compliance of 1,3,5 Tri-naphthylbenzene. 1968 , 49, 3678-3682	71
2050	Response of viscoelastic media during changing temperature. 1968 ,	
2049	Friction of Rubber on Wet Surfaces: Knowledge of the mechanism of friction is important for progress in traffic safety. 1968 , 160, 959-64	8

2048	Polymer-Melt Viscosity and the Glass Transition: An Evaluation of the Adam-Gibbs and the Free-Volume Models. 1968 , 49, 1393-1397	39
2047	Dynamic Mechanical Properties of the Cell Wall of <i>Nitella opaca</i> . 1968 , 19, 1-12	31
2046	Evidence of a Glass-Liquid Transition in a Gold-Germanium-Silicon Alloy. 1968 , 48, 2560-2571	341
2045	Inadequacies of Viscosity Theories for B ₂ O ₃ . 1968 , 49, 1887-1895	126
2044	Extensional Mechanical Properties of Polyester- and Polyether-Based Polyurethanes. 1968 , 39, 15-22	7
2043	Molecular Flow and Lanthanum -Catalyzed Bond Interchange in Sodium Phosphate Polymers. 1968 , 2, 799-820	3
2042	Quasi-elastic failure analysis of a solid- propellant rocket motor under thermal variations.. 1968 , 6, 2101-2106	1
2041	Linear viscoelastic properties of partly to completely formylated poly(vinyl alcohols). 1968 , 2, 55-87	10
2040	Mechanical relaxations and melting in semicrystalline polymers. 1968 , 2, 781-791	13
2039	Uniaxial Wave Propagation in a Viscoelastic Material Using Measured Material Properties. 1968 , 35, 449-453	19
2038	Bulk and Shear Relaxation Processes in Poly-i-butyl Methacrylate. 1968 , 7, 451-461	16
2037	Schmelzviscositäten hochpolymerer Stoffe. 1968 , 387-450	34
2036	Accelerated testing of the mechanical and thermal integrity of polymeric materials.. 1968 , 5, 68-74	
2035	On the Glass Transition Phenomenon of Isopentane. 1968 , 41, 593-600	29
2034	Glass Transition Temperature and Isothermal Volume Change of Selenium. 1968 , 41, 135-139	13
2033	THERMAL ANALYSES OF POLYMERS. IV. SIMILARITIES IN THE THERMAL ANALYSES OF INORGANIC AND ORGANIC GLASSES. 1969 , 435-479	5
2032	Forced Vibration Tester in Tension and Torsion for Plastic Materials under Tensile Strain. 1969 , 40, 1004-1007	4
2031	Molecular Motion in ortho-Terphenyl. 1969 , 50, 3839-3843	80

2030	Radiation-Induced Solid-State Polymerization in Binary Systems. III. Physical Properties of the Glassy Phase in Polymeric Systems. 1969 , 3, 1509-1524	7
2029	Some aspects of nonlinear mechanical behavior of a composite propellant.. 1969 , 6, 65-69	8
2028	On the propagation of elastic waves through composite media II. 1969 , 8, 22-38	4
2027	Étude du comportement viscoélastique du polycarbonate de bisphénol-A partiellement cristallisé. 1969 , 8, 510-519	14
2026	Das freie Volumen und die Änderung des Ausdehnungskoeffizienten und der Molwärme bei der Glasübergangstemperatur von Hochpolymeren. 1969 , 233, 829-845	54
2025	Derivative stress-strain curves of polyacrylonitrile fibers. 1969 , 9, 370-377	
2024	Experimental investigation of non-linear, non-isothermal viscoelasticity. 1969 , 7, 579-599	16
2023	The effects of pressure and temperature on the densities of liquid polymers. 1969 , 10, 841-848	20
2022	Small shearing oscillations superposed on large steady shear of the BKZ fluid. 1969 , 4, 183-200	18
2021	Peel Adhesion: Influence of Surface Energies and Adhesive Rheology. 1969 , 1, 102-123	130
2020	Viscous Liquids and the Glass Transition: A Potential Energy Barrier Picture. 1969 , 51, 3728-3739	1245
2019	Nature of the crystallization nuclei present in a polypropylene (PP) melt. 1969 , 11, 1461-1467	6
2018	Electro-conductance by polyethyleneglycol glycerolterephthalate, polyimide and polyester surface coatings. 1969 , 11, 1480-1487	3
2017	Spherulite formation in polyethyleneterephthalate from the melt and from the glassy state. 1969 , 11, 1960-1971	4
2016	Cross-Linking Effect on Physical Properties of Polymers. 1969 , 3, 69-103	576
2015	Phenomenological relations for viscoelastic properties of polymer-diluent systems; the relative dissipation index N21. 1969 , 3, 237-257	4
2014	On the Viscosity of Liquid Selenium. 1969 , 42, 1025-1029	16
2013	On the Viscosity of Liquid Oligotrifluorochloroethylene. 1969 , 42, 3131-3134	3

2012	Viscoelastic Properties of Narrow-Distribution Polymers. II. Tensile Creep Studies of Polystyrene. 1970 , 1, 485-492	16
2011	Volume Retardation of Polystyrene. 1970 , 1, 632-638	17
2010	Synthesis and Properties of a New Class of Potential Biomedical Polymers. 1970 , 4, 715-738	30
2009	Linear viscoelastic properties of polyethylene terephthalate and its related polymers. 1970 , 4, 1-38	17
2008	Dynamic Mechanical Properties of Polyoxymethylene, IV. 1970 , 1, 432-441	2
2007	Viscoelastic Properties of Monodisperse Polymers. I. Tensile Creep Studies of Poly(E-methylstyrene). 1970 , 1, 356-364	9
2006	Absorption of Acoustic Waves in Dilute Solutions and Dilute Suspensions of Polymers at Frequencies 10 to 300 kHz. 1970 , 1, 465-470	4
2005	Viscoelastic Properties of Poly(methyl methacrylates) Prepared by Anionic Polymerization. 1970 , 1, 418-424	47
2004	Glass transition temperatures of crosslinked poly (isobutyl methacrylate). 1970 , 11, 498-506	3
2003	Delayed fracture in viscoelastic-plastic solids. 1970 , 6, 995-1009	43
2002	Relaxation in an amorphous solid and the isothermal recombination luminescence following photoionization. 1970 , 6, 605-607	4
2001	Dielectric properties of the composite system polyurethane β sodium chloride. 1970 , 9, 299-305	
2000	Abhangigkeit der Viskositat einer Polystyrolschmelze von Temperatur, hydrostatischem Druck und niedermolekularen Zustzen. 1970 , 9, 374-381	11
1999	A widely applicable two-parameter viscosity-temperature equation for bitumens. 1970 , 9, 460-466	8
1998	Solid propellant rheology. 1970 , 9, 577-584	2
1997	Delayed failure [the Griffith problem for linearly viscoelastic materials. 1970 , 6, 7	113
1996	Viscoelastic properties of amorphous polymers in the rubberlike elastic state as a function of the nature and length of the polymer chain. 1970 , 18, 659-668	
1995	Ratio of the glass transition temperature to the melting point in polymers. 1970 , 2, 73-80	75

1994	The dynamic mechanical behaviour of liquid-filled foams. 1970 , 3, 906-916	6
1993	Yielding behavior of glassy polymers. III. Relative influences of free volume and kinetic energy. 1970 , 4, 621-633	6
1992	FIBRE STRUCTURE. 1970 , 2, 1-187	37
1991	Theory of neck formation in the stretching of polymers. 1970 , 12, 1-8	9
1990	Theoretical Considerations on the Possibility of Enhancing the Effect of Temperature upon the Melt Viscosity of Linear Polymers by the Incorporation of Weak Bonds in the Chains. I. Thermodynamic Arguments. 1970 , 4, 209-231	3
1989	Temperature Dependence of Spherulitic Growth Rate of Isotactic Polystyrene. A Critical Comparison with the Kinetic theory of Surface Nucleation. 1970 , 1, 82-100	144
1988	Occupied Volume of Liquids and Polymers. 1970 , 4, 191-242	131
1987	Viscoelasticity of silicate polymers and its structural implications. 1970 , 3, 279-293	20
1986	The glassy state in polymers. 1970 , 11, 313-334	34
1985	On the Free-Volume Model of the Liquid-Glass Transition. 1970 , 52, 3038-3041	658
1984	Time-temperature superposition in the β region of an epoxy resin. 1970 , 4, 109-125	15
1983	The Interaction between Polymeric Structure, Deformation and Fracture. 1971 , 193-218	3
1982	Effect of flaws on the time-temperature superposition in the ultimate behavior of elastomers. 1971 , 5, 285-292	7
1981	Relaxation processes in polymers and modes of description. 1971 , 13, 512-523	4
1980	Reinforcement of elastomers by carbon black. 1971 , 155-237	121
1979	An experimental study to verify the time-temperature superposition principle. 1971 , 7, 229	
1978	Stress-time superposition of creep data for polypropylene and coupled glass-reinforced polypropylene. 1971 , 11, 211-219	24
1977	Perfluoropolyethers: Their physical properties and behaviour at high and low temperatures. 1971 , 18, 85-100	138

1976	Analysis of nonlinear, dynamic coupled thermoviscoelasticity problems by the finite element method. 1971 , 1, 603-621	29
1975	Viscoelastic measurements on cross-linked rubbers I. Width and time position of retardation spectrum. 1971 , 21, 1279-1286	1
1974	Selbstdiffusion kleiner Moleküle in polymerer Umgebung. 1971 , 247, 801-810	21
1973	Thermal activation relations. 1971 , 10, 187-193	1
1972	The temperature dependence of the volume retardation of polyvinyl acetate. 1971 , 10, 194-199	2
1971	Indentation lifetime of swollen poly (2-hydroxyethyl methacrylate) networks. 1971 , 10, 280-288	5
1970	Volume Retardation of Polystyrene. II. 1971 , 2, 756-767	8
1969	Viscous Liquids and the Glass Transition. III. Secondary Relaxations in Aliphatic Alcohols and Other Nonrigid Molecules. 1971 , 55, 4245-4252	346
1968	Application of the Environmental Relaxation Model to the Temperature Dependence of the Viscosity. 1971 , 54, 1952-1959	39
1967	Viscoelastic properties of cross-linked solutions of poly (2-hydroxyethyl methacrylate) in diethylene glycol. V. Influence of secondary low-temperature transitions. 1971 , 5, 219-231	7
1966	Rheology of Adhesion. 1971 , 6, 85-112	18
1965	Long Term Strength of Structural Adhesive Joints. 1972 , 3, 249-257	10
1964	Piezoelectric Properties in Polarized Poly(vinyl Fluoride). 1972 , 11, 36-40	17
1963	Biaxial stress relaxation in glassy polymers: polymethylmethacrylate. 1972 , 43, 4370-4383	54
1962	Viscoelastic Transition. 1972 , 94, 732-737	1
1961	Friction of Rubber on Ice. 1972 , 237, 142-144	12
1960	Effects of Temperature and Pressure on the Micro-Brownian Motion in Poly(vinyl chloride). 1972 , 3, 631-639	8
1959	Viscous Properties of Liquid Oligotrifluorochloroethylene. 1972 , 45, 88-91	2

1958	On the Viscosities of Mixtures of Oligotrifluorochloroethylene and n-Heptadecane. 1972 , 45, 351-355	3
1957	Diffusion of vapours in organic coatings. 1972 , 1, 91-112	15
1956	The measurement of adhesion. 1972 , 1, 45-71	36
1955	Anomalous Viscoelastic Behavior of Metallic Glasses of PdBi-Based Alloys. 1972 , 43, 1642-1648	149
1954	Elements of solid rocket service life prediction. 1972 ,	0
1953	Configurational Excitations in Condensed Matter, and the "Bond Lattice" Model for the Liquid-Glass Transition. 1972 , 57, 470-481	278
1952	Heat Capacity and Thermodynamic Properties of o-Terphenyl Crystal, Glass, and Liquid. 1972 , 56, 503-516	221
1951	Dielectric Relaxations in Various Crystal Modifications of Cyclohexanol and 2,3-Dimethylbutane. 1972 , 18, 345-368	61
1950	The influence of molecular rotation on transport processes in liquids. 1972 , 3, 153-158	2
1949	Iron (II) and iron (III) isotope exchange in water-dimethyl sulfoxide mixtures. 1972 , 4, 37-48	3
1948	Influence of some processing variables on the properties of cellulose acetate membranes I. Ultimate properties and birefringence. 1972 , 10, 341-352	6
1947	Correlation between molecular parameters and some bulk properties of a plasticized highly crosslinked unsaturated polyester-styrene polymer system: 2. Some general rheological properties of the plasticized system. 1972 , 13, 541-545	4
1946	Construction of the nonlinear relations of thermoviscoelasticity. 1972 , 3, 652-656	
1945	Fundamental theories and methods of polymer mechanics. 1972 , 5, 1-10	
1944	Constitutive relations for bituminous concrete using double lap shear tests. 1972 , 5, 21-30	1
1943	Dielectric relaxation and segmental motion energy in polymers. 1972 , 12, 1109-1113	1
1942	The structural component of acoustic absorption in liquids. 1972 , 4, 87-137	2
1941	Spannungsrelaxation bei mechanischen Beanspruchungen verschiedener Art und GröÙ. 1972 , 250, 1131-1134	3

1940	Domain structure and viscoelastic properties of graft copolymer. 1972 , 250, 459-470	7
1939	The effect of pressure on the shear viscosity of polymer melts. 1973 , 12, 263-268	7
1938	On the Relaxation in bulk polyoxymethylene. 1973 , 8, 1673-1689	7
1937	Liquid-liquid phase separation by nucleation and growth in solutions of poly(2,6 dimethyl-1,4 phenylene oxide) in toluene. 1973 , 9, 931-940	12
1936	Rheological properties of the extensible intersegmental membrane of the adult female locust. 1973 , 8, 624-630	21
1935	Predicting the deformation characteristics of polymer materials. 1973 , 14, 269-272	
1934	Dielectric studies of an ethylene/methacrylic acid copolymer. 1973 , 5, 379-387	2
1933	Viscoelastic properties of heterophase blends of homopolymers and block copolymers. 1973 , 13, 231-235	9
1932	Wear of polymers by roll-formation. 1973 , 25, 309-327	48
1931	Thermal analysis of a skidding tire. 1973 , 24, 361-380	7
1930	A corresponding states equation for crystallization kinetics. 1973 , 19, 361-364	22
1929	Physical properties of aromatic hydrocarbons. 1973 , 20, 135-144	33
1928	Stress Relaxation Modulus of a Commercial Glass. 1973 , 56, 501-505	10
1927	Extension of theory of growth of chain-folded polymer crystals to large undercoolings. 1973 , 44, 4340-4352	548
1926	Introduction. 1973 , 1-53	3
1925	Relaxation Processes in Amorphous Polymers. 1973 , 153-222	22
1924	Creep in Glassy Polymers. 1973 , 223-278	8
1923	Free-volume model for ionic conductivity in polymers. 1973 , 44, 5372-5376	297

1922	Dynamic viscoelasticity of coating films. 1973 , 1, 205-248	11
1921	Determination of the free volume of amorphous, linear polymers. 1973 , 15, 2180-2186	1
1920	The relationship between the free volume and the molecular parameters of linear polymers. 1973 , 15, 1701-1707	9
1919	Effect of molecular weight on the crystallization, melting, glass-transition and morphology in the ethylene glycol-polyethylene glycol series. 1973 , 15, 914-931	19
1918	Dependence of the free volume fraction at the glass transition temperature on the molecular parameters of linear polymers. 1973 , 7, 431-444	17
1917	Relaxation phenomena of poly(β -benzyl-L-glutamate, poly(β -methyl-L-glutamate, and copoly(β -methyl-L-glutamate, β -benzyl-L-glutamate). 1973 , 8, 413-430	44
1916	Prediction of the Long Term Compressive Creep Behavior of Cellular Polystyrene. 1973 , 9, 139-144	11
1915	$\alpha_p T_g$ and related quantities for high polymers. 1973 , 7, 487-501	78
1914	The dielectric relaxation of insulating oils at low temperatures. 1973 , 44, 887-888	1
1913	Thermorheological Simple Theory Applied to the Russet Burbank Potato. 1974 , 17, 0546-0552	12
1912	A Systems Design Study for Food Production by Non- Agricultural Methods. 1974 , 17, 0553-0556	1
1911	Dipole reorientation in polyvinylidene fluoride. 1974 , 45, 1001-1008	69
1910	Free volume and chain constraints in cis-1,4-polybutadiene as observed by high resolution NMR linewidth. 1974 , 61, 1571-1580	15
1909	Interionic vibrations and glass transitions in ionic oxide metaphosphate glasses. 1974 , 60, 4145-4155	111
1908	Thermal analysis of polymers. 1974 , 1-99	12
1907	Modern Theories of Polymer Crystallization. 1974 , 10, 113-148	29
1906	Thermal dilatation of polymers. 1974 , 9, 699-731	10
1905	The effect of uniaxial compression on the thermal properties of poly(ethylene terephthalate). 1974 , 9, 321-332	

1904	Thermomechanical behavior and structure of poly(vinyl chloride). 1974 , 9, 301-320	15
1903	The dependence of the radiation-induced polyisobutylene degradation on molecular mobilities. 1974 , 10, 341-346	12
1902	Vérification par des méthodes statiques et dynamiques de la théorie de l'adhésion basée sur des phénomènes de rupture. 1974 , 13, 233-235	
1901	The creep behavior of ideally atactic and commercial polymethylmethacrylate. 1974 , 13, 367-376	34
1900	Thermolumineszenz bei Polymeren. 1974 , 252, 673-679	7
1899	Deformation von Hochpolymeren im Glas-Kautschuk-Übergangsbereich. 1974 , 252, 759-759	
1898	Grain boundary relaxation phenomena in block and graft copolymers. 1974 , 252, 933-943	12
1897	DTC study of very thin polystyrene films at temperatures of about T _g and above. 1974 , 21, 313-324	18
1896	Polymerisation radiochimique de l'acide acrylique en solution dans l'alcool isopropylique et le diméthylformamide. 1974 , 10, 71-75	1
1895	Time-temperature superposition of the fundamental relaxation processes of polyethylene. 1974 , 46, 15-53	3
1894	The influence of curing systems on the properties of natural rubber. 1974 , 48, 61-86	7
1893	Hysteresis in rubber vulcanizates. 1974 , 48, 169-196	22
1892	N.m.r. of solid polymers: a review. 1974 , 15, 503-520	91
1891	Time-temperature relationship for long-term and fatigue strength of some partially crystalline polymers. 1974 , 6, 1324-1331	3
1890	A dynamic investigation of fiber-reinforced viscoelastic materials. 1974 , 14, 304-310	8
1889	Low frequency storage and loss moduli of soda-silica glasses in the transformation range. 1974 , 14, 255-268	52
1888	Stress relaxation behavior of soda-lime glass between the transformation and softening temperatures. 1974 , 14, 269-279	27
1887	Viscoelastic Fracture of Solid Propellants in Pressurization Loading Conditions. 1974 , 11, 691-696	11

1886	Viscoelastic fracture of solid propellants in pressurization loading conditions. 1974,	3
1885	Influence of pigmentation on the mechanical properties of paint films. 1974, 2, 237-267	23
1884	A model for the Magill-Li viscosity-temperature relation. 1974, 45, 4167-4171	8
1883	Intramolecular thermal motion and some macroscopic properties of polymers. 1974, 16, 45-53	2
1882	Investigation of the crystallization of cyclonetwork organosilicon polymers. 1974, 16, 104-115	3
1881	Critical exponent equations: Their relation with free volumes at T_g and T_R and with the macromolecular domain concept. 1974, 10, 663-688	5
1880	Change of Glass Transition Temperature by Drawing. 1974, 47, 614-621	
1879	The Bending Behaviour of Some Coated Fabrics from -40°C to $+140^\circ\text{C}$. 1974, 3, 171-180	
1878	Dilatometric Study on Some Poly(amino acid)s. 1975, 7, 646-649	17
1877	X-Ray Scattering of Synthetic Poly(amino acid)s in the Solid State. I. Transition of Poly(benzyl L-glutamate) and Poly(methyl L-glutamate). 1975, 7, 44-49	22
1876	Investigation of the aging process of a polyvinyl chloride gel by the measurement of its dynamic moduli. 1975, 14, 71-84	32
1875	The Properties of an Insulating Oil and Its Fractions at Low Temperatures. 1975, EI-10, 124-134	2
1874	Ultrasonic studies of three fluoropolymers. 1975, 16, 481-488	12
1873	Mechanical and dielectric relaxations in polytrifluoroethylene. 1975, 16, 501-504	8
1872	Dielectric behaviour of ethylene-vinyl acetate copolymers. 1975, 16, 308-310	4
1871	Structure and molecular relaxation of alternating copolymers of styrene and N-substituted maleimides. 1975, 16, 739-744	8
1870	Effect of intra-chain double bonds on the crystallization of polyethylene from the melt. 1975, 16, 864-868	12
1869	Viscoelastic behavior of polystyrene-tricresyl phosphate solutions. 1975, 50, 405-430	36

1868	Mold-filling studies for the injection molding of thermoplastic materials. Part I: The flow of plastic materials in hot- and cold-walled circular channels. 1975 , 15, 553-568	87
1867	Temperature-independent relaxation in a lamellar block copolymer. 1975 , 257, 123-125	3
1866	Selbstdiffusion von kleinen Molekülen in Polymerlösungen. 1975 , 69-79	6
1865	ORGANIC SOLID STATE. 1975 , 441-512	
1864	Pressure dependence of thermal conductivity in polyethylene. 1975 , 46, 4506-4509	9
1863	Dielectric relaxation studies of poly(N-vinylcarbazole) and poly(3-chloro-N-vinylcarbazole) including the effects of sorbed oxygen. 1975 , 46, 4115-4119	37
1862	Solvent effects on chain fluctuations in highly concentrated polyisobutylene solutions. A new description derived from high resolution NMR spectroscopy. 1975 , 63, 3095	15
1861	A molecular theory of adhesive rubber friction. 1975 , 8, 966-979	10
1860	Combined ac and dc thermocurrent measurements to study molecular relaxation and electrical phenomena in polyvinylidene fluoride films. 1975 , 46, 2559-2573	47
1859	Anisotropic and nonlinear viscoelastic behaviour in solid polymers. 1975 , 38, 1143-1215	29
1858	The Effects of Hydrostatic Pressure on the Compressibility, Crystallization, and Melting of Polymers. 1975 , 13, 77-133	40
1857	Incidences des conditions experimentales sur la valeur de la temperature de transition vitreuse. 1976 , 4, 251-269	1
1856	Study of the temperature dependence of dielectric relaxation time of cooperative processes in polyacrylates and polymethacrylates. 1976 , 18, 1032-1038	3
1855	The Nucleation Step. 1976 , 1-114	20
1854	Dynamic Mechanical Properties of Poly(α-amino acid)s. I. Side-Chain Dispersions of Poly(β-benzyl L-glutamate) and Poly(β-methyl L-glutamate). 1976 , 8, 114-120	28
1853	Physical Properties of Amine-Cured Epoxy Resin (III). 1976 , 49, 538-542	
1852	Spin-Probe Studies of Poly(β-benzyl L-glutamate). 1976 , 8, 511-515	9
1851	STATISTICAL THERMODYNAMICS OF CONFIGURATIONAL PROPERTIES*. 1976 , 279, 68-77	36

1850	Authors' Reply. 1976 , 7, 311-312	1
1849	Theories of dry rubber friction. 1976 , 9, 75-81	12
1848	Amorphous structures and their formation and stability. 1976 , 11, 164-185	181
1847	Die Kristallisation von hochpolymeren Kunststoffen. 1976 , 63, 328-335	2
1846	Hot-melt adhesive bonding of polyethylene with ethylene copolymers. 1976 , 16, 411-418	8
1845	Flow-induced crystallization of linear polyethylene above its normal melting point. 1976 , 16, 512-525	34
1844	A generalized melt viscosity-temperature dependence for styrene and styrene-acrylonitrile based polymers. 1976 , 16, 690-696	37
1843	Ultrasonic Investigation of Mechanical Properties of Double Base Rocket Propellants. 1976 , 1, 2-6	1
1842	Universal Thermodynamic and Kinetic Functions for a Classical Freezing-in Process in Noncrystalline Bodies. 1976 , 74, K49-K52	2
1841	Determination of the temperature dependence of spherulite growth rate in low-density polyethylene using the small-angle light scattering technique. 1976 , 12, 47-51	10
1840	Glass transition temperature in nylons. 1976 , 17, 1049-1053	50
1839	Influence of intra-chain trans double bonds on the melt crystallization of polyamides. 1976 , 17, 185-191	11
1838	Ion-clustering and viscoelastic properties in poly(butadiene-styrene-4-vinylpyridine) crosslinked by nickel chloride. 1976 , 17, 382-386	16
1837	Extensional and Fractural Properties of Concentrated Solutions of Monodisperse Polystyrene at Elevated Temperatures. 1976 , 8, 347-362	5
1836	Mechanical Properties of Glassy Polymers. 1977 , 10, 541-598	6
1835	Effect of diluent on dielectric relaxation time of polymers. 1977 , 67, 2651	22
1834	Observation of Dipolar Activity in Amorphous Se and Some of Its As Alloys. 1977 , 38, 1412-1415	26
1833	The T _g Relaxation of polystyrene. 1977 , 13, 497-535	43

1832	Laser correlation spectroscopy of amorphous polymethylmethacrylate. 1977 , 67, 1436-1441	17
1831	Segmental distribution in amorphous polymers as elucidated from crystallization and relaxation times. 1977 , 13, 159-172	2
1830	Entropy Model for Glass Transition in Wet Resins and Composites. 1977 , 11, 265-275	19
1829	Glass-Transition Temperatures of Polyamide Textile Fibers: Part II: Relationships between Tg and Dyeability. 1977 , 47, 451-456	3
1828	Wear: A Critical Synoptic View. 1977 , 99, 387-395	25
1827	Viscous behaviour of undercooled metallic melts. 1977 , 24, 109-120	44
1826	Stress analysis - a tool for understanding coatings performance. 1977 , 5, 277-294	12
1825	Plastic deformation in polyimides, with new implications on the theory of plastic deformation of glassy polymers. 1977 , 35, 917-933	119
1824	Advances in Polymer Physics. 1977 , 19, 3055-3100	
1823	Numerical analysis of thermoluminescence data for a quasi-continuous activation energy distribution (glass-rubber transition analysis). 1977 , 10, 1561-1570	21
1822	Molecular motions in poly(N-vinylsuccinimide). 1977 , 18, 175-178	4
1821	Effect of photodegradation on the rate of spherulitic growth of poly(ethylene glycol adipate). 1977 , 18, 198-200	3
1820	Changes in electric conductivity during the process of methyl methacrylate polymerization. 1977 , 18, 409-411	3
1819	A proposed explanation of the universal nature of the two relaxation processes occurring in simple glass forming materials in the region of the glass transition. 1977 , 18, 764-768	29
1818	Electron trap distributions in organic polymers [An additional set of characterisation parameters]. 1977 , 3, 139-148	8
1817	Application of time-temperature equivalence for long-time prediction of plasticizer extraction of PVC. 1977 , 14, 553-564	3
1816	A Nonlinear Structural Relaxation Model for the Glassy State: Application to B2O3. 1977 , 60, 485-487	8
1815	Some peculiarities of viscoelastic properties in the system polymer-polymeric filler of the same chemical nature. 1977 , 13, 651-654	12

1814	Effect of center block structure on the physical and rheological properties of ABA block copolymers. Part II. Rheological properties. 1977 , 17, 563-569	13
1813	Free volume theories of the glass transition and the special case of metallic glasses. 1977 , 12, 2488-2502	91
1812	Study of prefracture states of rigid polymers. 2. Elastic limit and strength. 1977 , 12, 167-172	1
1811	High temperature creep of polyvinyl chloride. 1978 , 13, 467-472	6
1810	The mechanisms of elevated temperature property losses in high performance structural epoxy resin matrix materials after exposures to high humidity environments. 1978 , 18, 16-24	149
1809	Solidification of poly(ethylene terephthalate) with incomplete crystallization. 1978 , 18, 437-442	18
1808	The effect of molecular weight in the crystallization kinetics of glassy nylon 6. 1978 , 18, 450-456	4
1807	A model for the transient flow of thermoplastics in annular hot runners. 1978 , 18, 878-886	3
1806	Stress relaxation in amorphous alloys. 1978 , 35, 255-261	73
1805	Effects of pressure on the non-linear viscoelastic behaviour of polymers: 1. Polypropylene. 1978 , 19, 837-843	17
1804	Melt viscosity and thermal properties of poly(ethylene oxide) fractions and blends. 1978 , 19, 860-862	9
1803	Influence of tacticity of poly(methyl methacrylate) on the compatibility with poly(vinylidene fluoride). 1978 , 19, 173-178	106
1802	Influence of low molecular weight polyoxyethylene on bulk crystallization and melting behaviour of poly(oxyethylene diacetate). 1978 , 19, 1163-1170	13
1801	Molecular relaxation processes in poly(N-acryloyl-10,11-dihydrodibenz [b, f]azepine). 1978 , 19, 51-56	3
1800	Mobilities of polymer liquids at constant temperature and at constant volume. 1978 , 19, 899-904	10
1799	Theories of adhesion and uses of adhesives: a review. 1978 , 19, 291-308	108
1798	Rheology of columnar-grained ice. 1978 , 18, 464-470	106
1797	Verschiebung der E-Modul-Frequenz-Kurven mit der Temperatur bei amorphen Kunststoffen □ eine kinetische Funktion. 1978 , 256, 937-940	1

1796	Isotherme und nicht-isotherme Spannungsrelaxation nach stationärer Scherströmung. 1978 , 17, 595-605	1
1795	A study of the glass transition temperature of asphalts and their viscosity. 1978 , 17, 654-662	15
1794	Ein einfaches Modell zur Berechnung des Druckverlustes während des Werkzeugfließvorganges und der eingefrorenen Orientierung beim Spritzgießen amorpher Kunststoffe. 1978 , 17, 676-692	25
1793	Design and measurement of polymeric materials for vibration absorption and control. 1978 , 11, 77-97	
1792	Molecular weight dependence of stress relaxation of commercial polyisobutylene. 1978 , 14, 233-237	3
1791	Conformational effects on glass transition temperature and relaxation phenomena of polymers. 1978 , 19, 770-772	14
1790	Mechanical relaxation in vitreous borates in the transition range. 1978 , 29, 119-129	4
1789	A molecular model of isothermal volume relaxation in polymeric glasses. 1978 , 20, 1640-1648	1
1788	The iso-free-volume state and glass transitions in amorphous polymers. 1978 , 63-104	16
1787	Photoelectronic behavior of a-Se and some a-Se: As alloys in their glass transition regions. 1978 , 18, 1741-1750	48
1786	The viscosity and structural relaxation rate of evaporated amorphous selenium. 1978 , 49, 5855-5864	109
1785	The Durability of Epoxies. 1978 , 10, 49-116	92
1784	Rheological Behavior of Unvulcanized Rubber. 1978 , 223-289	
1783	Strain Dependence of Dielectric Properties. II. Polychloroprene Vulcanizate. 1978 , 10, 307-314	7
1782	Methods for Determining Polymer-Polymer Miscibility. 1979 , 117-193	9
1781	The Wear of Polymers. 1979 , 85-139	62
1780	The connection between fracture energy and inelastic behaviour. 1979 , 27, 1065-1073	8
1779	Dynamic mechanical properties of elastin. 1979 , 18, 2091-2103	69

1778	Non-isothermal rheology of polymers and its significance in polymer processing. 1979 , 6, 81-95	7
1777	Linear viscoelastic properties of epoxy resin polymers in dilatation and shear in the glass transition region. 1. Time-temperature superposition of creep data. 1979 , 20, 737-746	26
1776	Linear viscoelastic properties of epoxy resin polymers in dilatation and shear in the glass transition region: 2. Measurement of the glass transition temperature. 1979 , 20, 747-754	6
1775	Effect of temperature on the flow properties of suspensions. 1979 , 70, 584-591	7
1774	Oxygen self-diffusion in a potassium strontium silicate glass using proton activation analysis. 1979 , 14, 1425-1432	8
1773	Kinetics of crystallization of trans-1, 4-polyisoprene crystallized in thin films. 1979 , 14, 2529-2536	17
1772	The effects of plasticizer on the electric strength of polystyrene. 1979 , 14, 2791-2796	19
1771	Crystallisation kinetics and melting studies. 1979 , 11, 137-145	33
1770	The phenomenon of glass transition. 1979 , 1, 181-193	7
1769	Liquid-glass transition, a free-volume approach. 1979 , 20, 1077-1098	1029
1768	Rheological behaviour of asphalts. 1979 , 18, 382-391	7
1767	On the boundary conditions in the topological model of purely dissipative coupling. 1979 , 15, 297-306	5
1766	Dielectric study of polyacrylonitrile, poly-2-hydroxyethyl methacrylate and their copolymers. 1979 , 15, 129-136	26
1765	New Law for Crack Propagation in Solid Propellant Material. 1979 , 16, 357-360	8
1764	Field-induced thermally stimulated currents. 1979 , 135-223	102
1763	Activation energy and free volume in materials physics: A new analysis of the apparent conflict. 1979 , 16, 61-88	7
1762	The Effect of Annealing on the Thermal and Mechanical Properties of A High Nitrile Plastic. 1979 , 13, 137-155	
1761	?????????????. 1979 , 52, 19-33	

1760	Dielectric Measurements of Poly(α -alkyl L-glutamate)s in the Solid State as a Check of Applicability of the Two Phase Model. 1979 , 11, 983-987	7
1759	Dynamic Mechanical Properties of Poly(α -amino acid)s. II. Poly(ϵ -benzyloxycarbonyl-L-lysine). 1979 , 11, 241-248	5
1758	Molecular Motions of Poly(α -monosubstituted-benzyl D-glutamate) in the Solid State. 1979 , 11, 583-590	9
1757	Transitions and Relaxations in Poly(trifluoroethylene). 1979 , 11, 711-719	14
1756	On the mechanical properties of human intervertebral disc material. 1979 , 16, 317-30	36
1755	Thermisch stimulierte Entladung als Methode zur Untersuchung der dynamischen Eigenschaften von Polymeren. 1979 , 125-133	5
1754	Mobility of Small Molecules in Polymer Systems. 1979 , 83, 392-396	22
1753	Heat of Fusion and Crystallization Kinetics of Poly(trifluoroethylene). 1980 , 12, 9-15	9
1752	Relation between Photochromism of Chromophores and Free Volume Theory in Bulk Polymers. 1980 , 84, 680-690	81
1751	Pressure dependence of T_g . 1980 , 258, 760-767	6
1750	Dielektrische Kenngrößen von Polystyrol im Hauptweichungsbereich. 1980 , 258, 1307-1321	5
1749	The time temperature position of the glass-rubber transition of amorphous polymers and the free volume. 1980 , 19, 137-152	64
1748	Eine Meßapparatur zur Untersuchung des Kriech- und Relaxationsverhaltens von Polymeren unter Torsion. 1980 , 258, 209-218	3
1747	Dielectric relaxations of Cu(II) salts of ethyleneacrylic acid and styreneethacrylic acid copolymers. 1980 , 258, 61-69	7
1746	Application of the hole theory of liquids to the stability of some metallic glasses. 1980 , 15, 1864-1865	
1745	The science of adhesion. 1980 , 15, 2141-2166	361
1744	Comment on the matrix effect on photochromism of spiropyrans in bulk polymers. 1980 , 2, 169-176	13
1743	The effect of composition on cooperative relaxation properties of random copolymers. 1980 , 2, 25-30	4

1742	The relaxation and equilibrium behaviour of model polyurethane networks. 1980 , 3-3, 497-503	11
1741	Rheology of short glass fiber-reinforced thermoplastics and its application to injection molding I. Fiber motion and viscosity measurement. 1980 , 20, 925-933	129
1740	The effect of pressure on the growth rate of trans-1,4-polyisoprene crystals at pressures of 1 bar to 3.5 kbar. 1980 , 15, 1557-1567	3
1739	Nuclear magnetic resonance of solid polymers. 1980 , 63, 61-147	95
1738	Relationship between frictional electrification and molecular motion of polymers. 1980 , 9, 107-115	15
1737	Kinetic nature of the glass transitionII. 1980 , 21, 1139-1147	8
1736	LCST behaviour in blends of poly(vinylidene fluoride) and isotactic poly(ethyl methacrylate). 1980 , 21, 1161-1166	17
1735	Attempt to correlate the formation of free volume and the plastic deformation process in glassy polymers. 1980 , 21, 699-705	14
1734	Chemical stress relaxation of ethylene-propylene copolymer rubber by heat and radiation. 1980 , 16, 481-485	8
1733	Reinforcement of rubber by carbon black. 1980 , 21-68	95
1732	Dynamics of fluctuations and spinodal decomposition in polymer blends. 1980 , 72, 4756-4763	710
1731	3. Spectroscopic Methods. 1980 , 16, 73-240	3
1730	The Free Volume Contribution to the Optical Clarity of a High Nitrile Plastic. 1980 , 14, 181-192	
1729	Dielectric properties and conductivity of styrene-methacrylic acid copolymers and partially neutralized salts. 1980 , 17, 803-832	14
1728	The Temperature Dependence of the Viscoelastic Behavior of Poly(vinyl acetate). 1980 , 12, 43-53	117
1727	Unified theory of 1f noise and dielectric response in condensed matter. 1980 , 22, 2066-2077	42
1726	On the hygrothermomechanical characterization of polyvinyl acetate. 1980 , 51, 5131	60
1725	Ultrasonic properties of poly(4-methyl pentene-1). 1980 , 51, 310-314	24

1724	Mechanical behaviour of coating films. 1980 , 8, 47-79	47
1723	Liquid-glass transition: Dependence of the glass transition on heating and cooling rates. 1980 , 21, 4113-4117	141
1722	Free energy spectra for inelastic deformation of five metallic glass alloys. 1980 , 37, 241-266	144
1721	Engineering analysis of the J-loop posterior chamber lens. 1980 , 6, 355-60	2
1720	Transition Behavior and Dielectric Properties in Trifluoroethylene and Vinylidene Fluoride Copolymers. 1980 , 12, 209-223	254
1719	The Selective Permeation of Gases Through Polymers. 1981 , 11, 523-550	91
1718	A theory crack healing in polymers. 1981 , 52, 5953-5963	655
1717	A MOLECULAR MODEL FOR RELAXATION IN THE GLASS. 1981 , 371, 21-37	4
1716	A NEW FREE-VOLUME THEORY OF THE GLASS TRANSITION. 1981 , 371, 199-209	3
1715	NON-LINEAR VISCOELASTICITY BASED ON FREE VOLUME CONSIDERATION. 1981 , 123-128	6
1714	The Effect of Tire Aging on Force and Moment Properties of Radial Tires. 1981 ,	2
1713	Pressure Dependence and Cationic Radius Effect of the Glass Transition Temperature in Aqueous Alkali Acetate Solutions. 1981 , 54, 2607-2609	10
1712	Dielectric Relaxations of EthyleneAcrylic Acid and StyreneMethacrylic Acid Copolymers and Their Sodium Salts. 1981 , 13, 283-291	7
1711	Photo-Inspection between Cross-Linked Polyethylene and a Semiconducting Layer. 1981 , EI-16, 105-110	4
1710	Theoretical calculations of glass transition temperatures of plasticized polymers. 1981 , 17, 1227-1229	8
1709	Structure and molecular motion of ethylene-acrylic acid copolymers neutralized with manganese (II) and nickel (II) acetates. 1981 , 259, 514-521	12
1708	Rheologische Charakterisierung einer Polypropylenschmelze. 1981 , 20, 139-154	2
1707	Thermische Ausdehnung und Glasbergang als Bestimmungsgrößen der Viskosität von Flüssigkeiten. 1981 , 20, 59-63	3

1706	Calculation of impact transition temperature of low density polyethylene from shift factor via a free volume approach. 1981 , 16, 1665-1672	4
1705	The deterioration of mechanical properties of chloroprene rubber in various conditions. 1981 , 16, 10-16	7
1704	Rheology of rubber-modified polymer melts. 1981 , 21, 259-270	89
1703	Analysis of the tensile stress-strain behavior of elastomers at constant strain rates. I. Criteria for separability of the time and strain effects. 1981 , 21, 688-695	6
1702	Long-time stress relaxation of a filled elastomer in vacuum environments. 1981 , 21, 732-744	1
1701	The physical aging of isotactic polypropylene. 1981 , 21, 776-781	30
1700	An overview of the nonequilibrium behavior of polymer glasses. 1981 , 21, 874-895	184
1699	Free Volume of Phosphate Glasses. 1981 , 64, C-14-C-15	1
1698	Non-linear viscoelasticity based on free volume consideration. 1981 , 13, 123-128	156
1697	Determination of viscoelastic properties by dynamic testing. 1981 , 2, 263-286	12
1696	Surface chemistry and adhesion. 1981 , 1, 233-239	12
1695	Advances in applied radiation chemistry. 1981 , 18, 11-19	1
1694	Radiation crosslinking of elastomers. 1981 , 18, 89-98	4
1693	Cage effect in the solid phase calculation of quantum yields of stabilized radicals on the basis of a free volume model. 1981 , 55, 131-135	10
1692	Mechanical relaxations in polybutene-1 and poly-4-methylpentene-1. 1981 , 22, 543-548	13
1691	Glass transition temperature of poly(methyl methacrylate) blends. 1981 , 22, 268-270	10
1690	Noble gas transport in poly(methyl vinyl ketone) and poly(methyl vinyl ether). 1981 , 22, 912-917	10
1689	Ultrasonic investigations of morphology and stress relaxation in drawn polypropylene. 1981 , 22, 1026-1031	16

1688	Time-dependent optical characterization in the photoviscoelastic study of stress-wave propagation. 1981 , 21, 227-233	2
1687	Self-diffusion of bulky molecules in solution: 5- β -Cholestane in C ₆ F ₆ or cis-polybutadiene. 1981 , 75, 937-943	3
1686	Fundamentals of Rheology. 1981 , 25-78	0
1685	Nonlinear Viscoelastic Design of Case-Bonded CMDB Grains. 1981 , 18, 206-210	
1684	Strain Dependence of the Dynamic Properties of Filled Elastomers. 1981 , 13, 139-148	3
1683	Thermally stimulated currents in polyvinylidene fluoride. I. Unstretched alpha -form PVDF. 1981 , 14, 1139-1147	42
1682	The Elastohydrodynamic Film Thicknesses of Binary Ester-Ether Mixtures. 1981 , 24, 542-548	13
1681	Dynamic Viscoelastic Properties of ABS Polymers in the Molten State IV. Effect of Rubber Particle Size. 1982 , 14, 951-958	40
1680	NMR hole-burning: A study of slow molecular rotations in glassy glycerol. 1982 , 77, 1771-1778	60
1679	Universal law for the rotational viscosity of nematic liquid crystals. 1982 , 26, 2940-2945	24
1678	Dielectric Relaxation and the Glass Transition in Nematic Liquid Crystals. 1982 , 48, 334-337	58
1677	The Rheology and Molecular-Mass Characteristics of 1,4-cis-Polyisoprenes and Butyl Rubberst. 1982 , 9, 87-104	6
1676	An EPR spin label study of the glass forming liquid dibutyl phthalate. 1982 , 77, 2159-2165	28
1675	Phase Separation Process in Polymer Systems III. Spinodal Decomposition in the Critical Mixture of Polystyrene and Poly(methylphenylsiloxane) and Scaling Analysis. 1982 , 14, 907-912	37
1674	Thermoluminescence with pseudo first-order kinetics. 1982 , 15, 1795-1802	13
1673	Analysis of plastic flow in an amorphous soap bubble raft by the use of an inter-bubble potential. 1982 , 46, 275-294	70
1672	Temperature coefficient of the activation energy of dipole relaxation and heat expansion of polymers. 1982 , 24, 2277-2286	
1671	Free volumes and liquidlike clusters in soft-core dense liquids and glasses. 1982 , 76, 5502-5507	17

- 1670 Local structural fluctuations in amorphous and liquid metals: a simple theory of the glass transition. **1982**, 12, 2141-2163 184
- 1669 The size of cooperatively rearranging regions at the glass transition. **1982**, 53, 325-330 504
- 1668 Molecular dynamic calculations of glass structure and diffusion in glass. **1982**, 49, 29-52 106
- 1667 Design considerations for high solids coatings. **1982**, 10, 55-89 45
- 1666 Thermal Decomposition and Glass Transition Temperature of Poly(isobutylene). **1982**, 18, 455-475 9
- 1665 Mechanical Properties of Polymer Solids and Liquids. **1982**, 375-427
- 1664 A simple creep torsionmeter and its use in the thermorheological characterization of a structural adhesive. **1982**, 22, 75-80 13
- 1663 Rheograms for asphalt from single viscosity measurement. **1982**, 21, 333-339 18
- 1662 Water vapor sorption and desorption by human callus I: Anomalous diffusion. **1982**, 71, 1235-8 3
- 1661 Low-temperature behaviour of water in nafion membranes. **1982**, 86, 16-19 31
- 1660 Segment size in synthetic polymers by the spin-probe method. **1982**, 23, 1536-1539 40
- 1659 Spherulitic crystallization in blends of poly(ethylene oxide) and poly(methyl methacrylate). **1982**, 23, 1322-1324 40
- 1658 Anomalous dielectric relaxation in poly(dimethyl siloxane) polymers. **1982**, 23, 1394-1395 3
- 1657 Morphology, crystallization and melting behaviour of films of isotactic polypropylene blended with ethylene-propylene copolymers and polyisobutylene. **1982**, 23, 229-237 176
- 1656 Crystallization of polyformals: 1. Crystallization kinetics of poly(1,3-dioxolane). **1982**, 23, 374-378 28
- 1655 Crystallization of polyformals: 2. Influence of molecular weight and temperature on the morphology and growth rate in poly(1,3-dioxolane). **1982**, 23, 379-384 18
- 1654 Mechanism of particle track etching in polymeric nuclear track detectors. **1982**, 202, 497-501 27
- 1653 α relaxation in PET fibres. **1982**, 1, 308-309

1652	The science of adhesion. 1982 , 17, 617-651	134
1651	Electrical conductivity of carbon-polymer composites as a function of carbon content. 1982 , 17, 1610-1616	381
1650	A theory of pseudo cross-link. 1982 , 7, 31-37	3
1649	Dielectric principal relaxation above and near the glass transition. 1982 , 8, 461-467	9
1648	Etude mécanique de chargements moule-collés en propergol doublebase composite par Une méthode viscoélastique non-linéaire. 1982 , 7, 78-84	2
1647	Relationship between rheological properties and impact strength in high impact polystyrene. 1982 , 22, 684-691	4
1646	Low and high-yield isotactic polypropylene. 1983 , 28, 237-248	11
1645	A comprehensive experimental study of the rheological behaviour of HDPE. 1983 , 22, 299-307	15
1644	Thermokinetic modeling of an epoxy resin I. Chemoviscosity. 1983 , 23, 186-190	55
1643	Spectroscopy of thermoactivated relaxation processes in butadiene-styrene copolymers in the elementary relaxator approach. 1983 , 9, 40-46	4
1642	Master surfaces of viscoelastic functions in the reciprocal temperature-frequency space. 1983 , 10, 328-335	5
1641	Measurement of the fracture toughness of extensible connective tissues. 1983 , 18, 3591-3598	88
1640	Temperature-frequency equivalence of the viscoelastic properties of anhydrous lanolin USP. 1983 , 72, 422-5	10
1639	A unified approach to transport phenomena in polymeric media—Diffusion in polymeric solutions, gels and melts. 1983 , 38, 925-939	26
1638	Dielectric relaxation and effect of plasticisers on siloxane polymers. 1983 , 19, 251-254	
1637	The Reorganization of the medium in the reversible proton transfer. 1983 , 26, 159-168	3
1636	Small volume change on melting as a new criterion for easy formation of metallic glasses. 1983 , 95, 165-168	33
1635	Polymeric solid electrolytes: Dynamic bond percolation and free volume models for diffusion. 1983 , 9-10, 1115-1120	83

1634	Crystallization behaviour of fractions of isotactic polypropylene with different degrees of stereoregularity. 1983 , 24, 693-699	66
1633	Ultimate tensile measurements of filled gelatin gels. 1983 , 24, 481-486	50
1632	Properties of thin films of isotactic polypropylene blended with polyisobutylene and ethylene-propylene-diene terpolymer rubbers. 1983 , 24, 1458-1468	67
1631	Mechanism of high ionic conductivity in elastomeric networks. 1983 , 9, 389-395	11
1630	Transient structures and rheological properties of SBS block copolymer melts. 1983 , 22, 213-229	8
1629	Modele rheologique biparabolique applique a l'etude des proprietes mecaniques des revetements: application aux modules elastiques. 1983 , 11, 139-165	4
1628	Time and temperature dependence of flexural strength in transversal direction of fibres in CFRP. 1983 , 18, 65-79	6
1627	Diffusion of small molecules in polymers. 1983 , 11, 123-187	119
1626	Photochromic phenomena in the solid phase. 1983 , 17-44	98
1625	Laser light scattering studies of the dynamics of molecular reorientation of a viscoelastic liquid: p-phenyl o-cresol. 1983 , 78, 5863-5873	26
1624	Dielectric response of NaAlumina: Evidence for a "glass transition". 1983 , 27, 6031-6036	41
1623	INFLUENCE OF RHEOLOGICAL PROPERTIES IN MASS TRANSFER PHENOMENA: SUPER CASE II SORPTION IN GLASSY POLYMERS. 1983 , 21, 67-79	17
1622	Effects of Pressure on Dielectric Relaxation in Supercooled Triphenylchloromethane- π -Terphenyl Solution. 1983 , 56, 2396-2401	13
1621	Dielectric and Dynamic Mechanical Behaviour of Poly(vinylchloride) Containing Small Amounts of Cholesterol, Cholesteryl Chloride, and Cholesteryl Benzoate. 1983 , 15, 377-383	8
1620	Morphological and Physical Properties of Randomly Coupled Multiblock Copolymers: Bisphenol-A Polycarbonate-Poly(oxyethylene) Systems. 1983 , 15, 15-23	10
1619	INFLUENCE OF MATRIX RESIN ON ULTIMATE STRENGTH OF UNIDIRECTIONAL CFRP. 1984 , 473-479	1
1618	Dye Diffusion in Poly(ethylene Terephthalate) Fibers. 1984 , 54, 54-60	11
1617	Temperature dependence of the structures of As ₂ Se ₃ and As _x S _{1-x} glasses near the glass transition. 1984 , 29, 3639-3651	120

1616	Self-diffusion in polymer systems, measured with field-gradient spin echo NMR methods. 1984 , 1-29	53
1615	NMR study of molecular motions in cyclohexanol, a glass-forming rotor crystal. 1984 , 80, 5851-5858	27
1614	Quantitative evaluation of the Gibbs theory of the glass transition. 1984 , 25, 600-608	3
1613	Quantitative evaluation of the GibbsDiMarzio theory of the glass transition. 1984 , 25, 927-934	9
1612	Isothermal relaxation of specific volume and density fluctuation in poly(methyl methacrylate) and polycarbonate. 1984 , 25, 1424-1430	52
1611	Factors determining glass transition temperature and relaxation time of poly(vinyl chloride). 1984 , 25, 75-83	10
1610	The kinetics of the relaxation in an amorphous polymer at temperatures close to the glass transition. 1984 , 25, 309-317	21
1609	Influence of composition and molecular mass on the morphology, crystallization and melting behaviour of poly(ethylene oxide)/poly(methyl methacrylate) blends. 1984 , 25, 1097-1106	155
1608	Photoviscoelastic analysis of thermal stress in a quenched epoxy beam. 1984 , 24, 150-156	9
1607	Steady and transient shear flow properties of poly(styrene-B-butadiene)-dioctyl phthalate systems. 1984 , 20, 897-901	
1606	Characterization of thermoplastics using selected material data. 1984 , 4, 33-49	
1605	Untersuchungen von Relaxationen im Glasbergangsgebiet von Polyethylenterephthalat. 1984 , 35, 89-92	1
1604	Effect of molecular weight and temperature on the isothermal crystallization of poly(oxetane). 1984 , 262, 605-610	13
1603	A pulsed field gradient NMR study of diffusion in semicrystalline polymers: self-diffusion of alkanes in polyethylenes. 1984 , 262, 919-928	31
1602	Dynamic shear properties of a technical polystyrene melt. 1984 , 23, 277-290	36
1601	Critical temperature in PVC melts detected by rheological measurements. 1984 , 20, 49-51	9
1600	Determination par ultra-sons des Propriétés dynamiques d'un propergol double base. 1984 , 9, 12-21	
1599	Influence of composition, crystallization conditions and melt phase structure on solid morphology, kinetics of crystallization and thermal behavior of binary polymer/polymer blends. 1984 , 24, 563-586	187

1598	The plasticization of an epoxy resin by dibutylphthalate and water. 1984 , 24, 1270-1276	12
1597	Composite theology. 1984 , 19, 2997-3004	1
1596	Creep and glass transition behaviour of fractionated petroleum pitches: the influence of molecular weight and its distribution. 1984 , 19, 2651-2663	8
1595	Radiothermoluminescence curves of polymeric materials in the region of releasing frozen molecular motions. 1984 , 12, 149-155	1
1594	The effect of pressure and temperature on time-dependent changes in graphite/epoxy composites below the glass transition. 1984 , 24, 57-66	11
1593	The nature of the glass transition. 1984 , 61-62, 749-759	70
1592	Friction in Magnetic Tapes II: Role of Physical Properties. 1984 , 27, 89-100	29
1591	Magnetic amorphous alloys: physics and technological applications. 1984 , 47, 1601-1725	204
1590	Solids separation from the products of the solvent extraction of coal. 1984 , 40, 223-234	4
1589	Viscosity and configurational entropy of silicate melts. 1984 , 48, 471-483	377
1588	Rheological Properties of Compatible Blends of Acrylonitrile-Styrene Copolymer and Styrene-Maleic Anhydride Copolymer. 1984 , 16, 431-435	19
1587	Friction in Magnetic Tapes I: Assessment of Relevant Theory. 1984 , 27, 33-44	27
1586	An Application of a Free Volume Model to Lubricant Rheology 2-Variation in Viscosity of Binary Blended Lubricants. 1984 , 106, 304-311	10
1585	Temperature Dependence of Ionic Conductivity of Crosslinked Poly(propylene oxide) Films Dissolving Lithium Salts and Their Interfacial Charge Transfer Resistance in Contact with Lithium Electrodes. 1984 , 16, 711-716	29
1584	The Identification of the Metallic Glass State. 1985 , 57, 161	3
1583	The significance of the glass transition of lignin in thermomechanical pulping. 1985 , 19, 139-149	104
1582	Recovery (spring-back) of polyethylene from an imposed bend. 1985 , 25, 48-53	0
1581	The dielectric properties of a commercial polyvinylchloride. 1985 , 20, 3716-3728	6

1580 A survey of papers at the colloquium on the structures of organosilicon compounds. **1985**, 25, 788-797

1579 Sliding friction of rubber and Schallamach waves □A review. **1985**, 73, 45-63 104

1578 Stereochemical composition-properties relationships in isotactic polypropylenes obtained with different catalyst systems. **1985**, 26, 259-269 21

1577 Crystallization, morphology, structure and thermal behaviour of nylon-6/rubber blends. **1985**, 26, 270-282 74

1576 Crystallization and melt behaviour of isotactic poly(2-vinylpyridine). **1985**, 26, 283-287 28

1575 A mathematical model for diffusion with induced crystallization: 2. **1985**, 26, 131-140 38

1574 Dielectric properties of polymers at microwave frequencies: a review. **1985**, 26, 963-977 134

1573 Kinetic analysis of the crystallization of poly(p-phenylene sulphide). **1985**, 26, 1595-1604 182

1572 Stress analysis of metallic rocket motor cases reinforced with a viscoelastic fibre overwind. **1985**, 27, 439-452 4

1571 A linear thermoviscoelastic material model for solid rocket motor structural analyses. **1985**, 21, 235-243 10

1570 Scanning electron microscopy studies on thermo-oxidative ageing of polychloroprene rubber. **1985**, 12, 169-180 7

1569 Temperature shift factor: Polymer mechanical properties above and below glass transition. **1985**, 13, 47-57 30

1568 Influence of long chain branching in melt rheology and processing of low density polyethylene. **1985**, 12, 1-28 20

1567 NMR of tracer molecules in networks. **1985**, 21, 877-883 5

1566 Relation between rheological properties and the molecular weight distribution of a technical polystyrene. **1985**, 263, 328-334 7

1565 Epoxy polymers: Glass transition/cure degree correlation. **1985**, 30, 1343-1348 5

1564 Quality control of the cure process of thermosetting resins by means of differential scanning calorimetry. **1985**, 30, 1349-1357 4

1563 Prediction of glass transition temperatures of plasticized polymers. **1985**, 21, 29-31 12

1562	Interpretation of polymer effects with pseudo cross-link model. 1985 , 14, 3-16	1
1561	Equilibrium critical properties of random field systems : new conjectures. 1985 , 46, 1843-1852	221
1560	Influence of physical aging at constant temperature on the shear creep of amorphous polymers. 1985 , 180-190	9
1559	Ionic Conductivity and Mobility of Poly(propylene oxide) Networks Dissolving Alkali Metal Thiocyanates. 1985 , 17, 549-555	26
1558	Solvent Effects on Short Time Dyeings of Acrylics. 1985 , 55, 635-640	1
1557	Optically Clear Light Stable Polyurethanes for Scratch Resistant Films on Glass and Plastic. 1985 , 17, 119-131	3
1556	A VISCOSITY CONSTITUTIVE EQUATION FOR PMMA/MMA SOLUTIONS. 1985 , 33, 125-134	9
1555	Interplay of Physical and Chemical Aging in Graphite/Epoxy Composites. 1985 , 19, 178-191	13
1554	The glass transition in an ionomer: Interpretation of Mössbauer data. 1985 , 83, 2552-2555	6
1553	N.M.R. study of the dynamic structure of isopropylbenzene. 1985 , 55, 867-885	5
1552	A Method for Finding Engineering Properties of Sealants. 1985 , 111, 882-892	3
1551	ESR study on rotational motions of some free radicals in the supercooled and glassy organic solvents. 1985 , 82, 3420-3429	12
1550	Investigations of polymer chains in oriented fluid phases with deuterium nuclear magnetic resonance. 1985 , 26, 177-189	72
1549	Ionic conductivity and mobility in network polymers from poly(propylene oxide) containing lithium perchlorate. 1985 , 57, 123-128	205
1548	Permeation of Gases and Vapours in Polymers. 1985 , 11-73	149
1547	The thermomechanical properties and glass transition temperatures of some cellulose derivatives used in film coating. 1985 , 27, 267-277	82
1546	The crystallization kinetics of polyblock polyarylene sulphonoxide-polyethylene oxide block copolymers. 1985 , 27, 1565-1573	1
1545	The effect of phase transitions in polydiethylsiloxane on molecular motion. 1985 , 27, 1715-1730	12

1544	Features of the crystallization of polychloroprene during annealing. 1986 , 28, 1174-1180	1
1543	Polyurethane membrane for gas fractionation. 1986 , 27, 203-214	17
1542	Physical aging in epoxy matrices and composites. 1986 , 125-171	38
1541	Ionic Conductivity of Network Polymers from Poly(ethylene oxide) Containing Lithium Perchlorate. 1986 , 18, 809-817	68
1540	Study of Adherence of Elastomers by Cyclic Unloading Experiments. 1986 , 20, 55-74	8
1539	An evaluation of the interaction and plasticizing efficiency of the polyethylene glycols in ethyl cellulose and hydroxypropyl methylcellulose films using the torsional braid pendulum. 1986 , 31, 55-64	61
1538	Structure and ultimate properties of epoxy resins. 1986 , 115-148	64
1537	Role of Matrix Resin on Fracture Strengths of Unidirectional CFRP. 1986 , 20, 520-538	73
1536	Solute and penetrant diffusion in swellable polymers. 1986 , 3, 259-271	69
1535	An infrared study of azobenzene photoisomerization in a polymer matrix. 1986 , 7, 503-515	8
1534	Ionic conductivity and glass transition in superionic conducting glasses $(Ag)_1 \bar{x} (Ag_2MoO_4)_x$ ($x = 0.25, 0.3, 0.35$). 1986 , 88, 295-310	30
1533	Fluorescence Probes for Polymer Free-Volume. 1986 , 429-448	10
1532	Poly[oligo(oxyethylene) methacrylate-co-sodium methacrylate] as a Polymeric Solid Electrolyte with Sodium Ionic Conduction. 1986 , 18, 661-666	14
1531	Spherulitic growth rates of poly(3,3-diethyl oxetane). 1986 , 22, 661-664	11
1530	Crystallization kinetics of poly(3,3-diethyl oxetane). 1986 , 22, 43-47	10
1529	Kinetic study of polymerization/curing of filament-wound composite epoxy resin systems with aromatic diamines. 1986 , 32, 5215-5229	23
1528	One-day test to predict long-term mechanical behaviour of plastics for a year. 1986 , 6, 37-45	1
1527	Integration error controls for a finite element viscoelastic analysis. 1986 , 24, 537-544	4

1526	Glass freezing as kinetics time scale singularity of new significance. 1986 , 118, 248-253	2
1525	Drift function tracking with compressibility and variable temperature. 1986 , 20, 299-321	1
1524	Molecular motions in low molecular weight melts of polystyrene studied by n.m.r. relaxation. 1986 , 27, 1353-1358	2
1523	Molecular motions of polystyrene in concentrated solutions as studied by n.m.r. relaxation and self-diffusion measurements. 1986 , 27, 1091-1097	5
1522	Comparison of micromechanical properties of latex films obtained by different emulsion copolymerization pathways. 1986 , 27, 693-702	33
1521	E.s.r. and saturation transfer e.s.r. spectroscopy of spin-probed poly(vinyl acetate): A new spectral transition correlating with glass transition temperature. 1986 , 27, 190-194	38
1520	Modulus-maps for amorphous polymers. 1986 , 21, 3194-3210	28
1519	Chemorheology of an amine-cured epoxy resin. 1986 , 26, 427-431	28
1518	Molecular demixing in poly[<i>cross</i> -(ethyl acrylate)]-inter-poly[<i>cross</i> -(methyl methacrylate)] interpenetrating polymer networks brought about by selective decrosslinking and annealing. 1986 , 26, 730-735	29
1517	Performance prediction of weldline structure in amorphous polymers. 1986 , 26, 1200-1207	87
1516	Polymer blends as high explosive binders. 1986 , 26, 1489-1499	18
1515	Molten State Transition in Thermoplastic Rubber. 1986 , 18, 191-195	5
1514	Adaptive modelling of materials test results: Tear energy in filled rubber networks. 1986 , 21, 1801-1808	
1513	Electret Research - Stages in Its Development. 1986 , EI-21, 249-269	16
1512	Primary Piezoelectric Relaxation in a Copolymer of β -Hydroxybutyrate and β -Hydroxyvalerate. 1986 , EI-21, 505-510	6
1511	Mathematical Models of Polymer Melt Viscosity in Shearing Flow 1 Polyethylene Melts. 1986 , 11, 115-135	3
1510	Electrical conductivity of carbon black filled ethylene-vinyl acetate copolymer as a function of vinyl acetate content. 1986 , 264, 212-217	63
1509	Rubber friction variation with rate and temperature: some new observations. 1986 , 19, 547-563	82

1508	Distribution of Free Volume and Dielectric Relaxation due to Segmental Motion of Amorphous Chains in Chlorinated Poly(ethylene). 1986 , 25, 485-488	6
1507	Kinetics and Thermodynamics of Drug Permeation Through Silicone Elastomers III. Effect of Alkyl Substituent (R) in (MeRSiO) Polymer. 1986 , 12, 349-368	8
1506	Pattern Dependence of Color Gamut of Blackness in a Liquid Crystal Display. 1986 , 25, L35-L38	1
1505	Effect of high pressure on electrical relaxation in poly(propylene oxide) and electrical conductivity in poly(propylene oxide) complexed with lithium salts. 1986 , 60, 2665-2671	95
1504	Ionic conductivity in solid, crosslinked dimethylsiloxane-ethylene oxide copolymer networks containing sodium. 1986 , 60, 1342-1345	39
1503	Homodyne photon-correlation spectroscopy of a supercooled liquid: 1,3,5-Tri- <i>n</i> -aphthyl benzene. 1986 , 84, 6086-6090	23
1502	Phase behavior and conductivity in poly(ethylene oxide)-sodium thiocyanate systems. 1986 , 60, 2683-2689	74
1501	The pressure variation of the glass transition temperature in atactic polystyrene. 1986 , 84, 1006-1014	27
1500	Possibly protonic conduction in poly(vinylidene fluoride). 1986 , 59, 2068-2071	8
1499	Anomalous dielectric behavior of poly(vinyl acetate) below glass transition temperature. 1986 , 84, 3575-3576	22
1498	Dielectric analysis of thermoset cure. 1986 , 1-47	180
1497	Porosity Versus Segment Mobility in Dye Diffusion Kinetics[A Differential Treatment: Dyeing of Acrylic Fibers. 1986 , 56, 1-13	29
1496	Large Dielectric Relaxations in an Alternate Copolymer of Vinylidene Cyanide and Vinyl Acetate. 1986 , 25, 1178-1182	66
1495	Solid State Dynamics of Glassy Polycarbonate-Diluent Systems. 1987 , 19, 238-251	
1494	Tensile Properties of Highly Filled Magnetic Polymeric Composites. 1987 , 21, 782-797	8
1493	Criteria for an optimum simulated annealing schedule for problems of the travelling salesman type. 1987 , 20, 1239-1249	19
1492	Crystallization kinetics of an amorphous magnet. 1987 , 61, 3647-3649	11
1491	Coupling model interpretation of dielectric relaxation of poly(vinyl acetate) near T _g . 1987 , 87, 2359-2362	29

1490	Polymer and Elastomer Friction in the Thermal Control Regime. 1987 , 30, 149-159	33
1489	Comparison between interpretations of dielectric behavior of poly(vinyl acetate) by the coupling model and the Havriliak-Negami equation. 1987 , 87, 3173-3177	19
1488	Disordered materials: a survey of amorphous solids. 1987 , 235, 997-1002	51
1487	Dielectric relaxation measurements of poly(vinyl acetate) in glassy state in the frequency range 10 ⁶ -10 ⁶ Hz. 1987 , 87, 2271-2277	89
1486	Excited state dynamics of triphenylmethane-dyes used for investigation of microviscosity effects. 1987 , 91, 1241-1247	110
1485	A Model of cooperative motions in dense polymer systems by means of closed dynamic loops. 1987 , 171-178	
1484	Distribution in correlation times for rotational diffusion of spin probes in polymers. 1987 , 19, 129-134	26
1483	Mechanical behaviour of adhesive joints. 1987 , 188-263	5
1482	Viscous flow in supercooled liquids analyzed in terms of transport theory for random media with energetic disorder. 1987 , 58, 767-770	216
1481	Physical interpretations of various dynamic light scattering data, their interconnections and relations to other relaxation data. 1987 , 86, 4768-4778	50
1480	Sealing Performance of Lip Type Seals for Rotary Shaft and Reciprocating Shaft under Low Temperature Condition. 1987 ,	
1479	Thermally reactive oligomers of aromatic poly(ether sulphone) containing poly(dimethylsiloxane): 2. Mechanical properties in the poly(ether sulphone) glass transition range. 1987 , 28, 132-138	5
1478	Shear creep and recovery of a technical polystyrene. 1987 , 26, 375-384	10
1477	Effect of sepiolite (magnesium silicate) on the dynamic properties of butadiene-styrene rubber vulcanizates. 1987 , 26, 85-91	2
1476	The role of short chain molecules for the rheology of polystyrene melts.. 1987 , 26, 460-467	6
1475	The chain length dependence of self-diffusion in melts of polyethylene and polystyrene. 1987 , 265, 89-95	34
1474	Blends of polycarbonate and poly(hexamethylene sebacate): I. Physical properties. 1987 , 27, 440-450	4
1473	Determining viscosity temperature behavior of four amorphous thermoplastics using a parallel plate technique. 1987 , 27, 810-815	10

1472	Relaxation behaviour of the amorphous components of wood. 1987 , 22, 617-624	238
1471	Crystallization behaviour and mechanical properties of polypropylene-based composites. 1987 , 22, 3185-3193	35
1470	Time-temperature superposition principle and scaling behaviour. 1987 , 22, 1530-1534	15
1469	Thermally stimulated depolarization currents in PVDF—a dipolar interaction approach to band transitions. 1987 , 22, 1623-1629	9
1468	A comparative study of the kinetic and thermodynamic approaches to the glass transition phenomenon in high polymers. 1987 , 118, 159-181	7
1467	Glass-transition temperatures of PVME - PS blends. 1987 , 114, 165-170	8
1466	Relation between excimer formation in small probes and free-volume theory in polymer melts. 1987 , 28, 1876-1880	12
1465	Influence of static strain on viscoelastic phenomena associated with the glass-rubber transition of elastomers prepared from poly(neopentylglycol adipate). 1987 , 28, 2190-2194	7
1464	On the estimation of the Kauzmann temperature from relaxation data. 1987 , 28, 1341-1344	6
1463	Differential scanning calorimetry and complex admittance analysis of PVA/H ₃ PO ₄ proton conducting polymer blends. 1987 , 11, 377-386	19
1462	Influence of microstructure on elastic and viscoelastic properties of polyether ether ketone. 1987 , 30, 185-201	28
1461	The effects of physical aging on the viscoelastic behavior of a thermoset polyester. 1987 , 30, 99-118	16
1460	Temperature invariance of S ₀ -parameter of polymers. 1987 , 28, 195-203	12
1459	Elongational Viscosity Measurements of Melting American Process Cheese. 1987 , 52, 1249-1251	59
1458	. 1988 , 23, 615-625	19
1457	Rheological properties of service weathered road bitumens. 1988 , 27, 311-319	6
1456	Penetrant transport in semicrystalline poly(ethylene terephthalate). 1988 , 29, 1468-1484	35
1455	A spin-probe study of liquid polymer electrolytes. 1988 , 24, 395-397	2

1454	Failure-mechanism maps for engineering polymers. 1988 , 23, 2037-2050	16
1453	Scaling concept and the Williams-Landel-Ferry relationship. 1988 , 23, 1255-1259	5
1452	East ion conduction: some theoretical issues. 1988 , 28-30, 3-33	37
1451	Ionic conductivity of polymer electrolytes and future applications. 1988 , 20, 181-192	98
1450	Chemorheology of an epoxy resin for pultrusion. 1988 , 28, 491-495	19
1449	Nonisothermal flow of polymer melts. 1988 , 27, 333-347	10
1448	The mechanisms of Beck-like deformation in high-speed melt spinning. 2. Effects of polymer crystallization. 1988 , 30, 157-168	31
1447	Stressed polymers in physically active media. 1988 , 21, 105-120	2
1446	Non-equilibrium melting of native granular starch: Part I. Temperature location of the glass transition associated with gelatinization of A-type cereal starches. 1988 , 8, 183-208	188
1445	Viscous flow behaviour of the metallic glass Ni ₃₀ Zr ₇₀ under continuous heating. 1988 , 97, 487-491	21
1444	Molecular dynamics in bulk and plasticized poly(vinyl acetate): a spin-probe study. 1988 , 29, 1282-1286	6
1443	Approach to the composition dependence of the glass transition temperature of compatible polymer blends: 1. 1988 , 29, 78-85	89
1442	Molecular interpretation and prediction of the dynamic viscoelastic properties of crosslinked polymers. 1988 , 29, 1447-1451	10
1441	Modification of the ferroelectric properties of vinylidene fluoride trifluoro-ethylene copolymers induced by electron irradiation. 1988 , 32, 177-181	20
1440	A new/old material as an engineering thermoplastic PVC. 1988 , 10, 21-29	
1439	Analysis of Discontinuities in Time-Dependent Adhesive Fracture. 1988 , 25, 1-21	1
1438	Effect of disorder on diffusion and viscosity in condensed systems. 1988 , 104, 253-260	207
1437	An Overview of the Theoretical Models Used to Predict Transport of Small Molecules through Polymer Membranes. 1988 , 28, 421-474	44

1436	.	3
1435	Effects of polymer structure on the gas permeability of silicone membranes. 1988 , 38, 55-70	35
1434	Viscosities of Binary Mixtures Containing Non-polar Components. 1988 , 17, 305-313	2
1433	Correlation between glass transition temperature and thermal expansion coefficients of polymers: Its interpretation and implication. 1988 , 27, 305-318	6
1432	High Pressure Conductivity and NMR Investigation of Siloxane-Based Polymer Electrolytes. 1988 , 160, 347-357	2
1431	Absorption current and depolarisation measurements on polypropylene film. 1988 , 21, 454-462	11
1430	Influence of Dye Size and Fiber Porosity on the Dyeing Kinetics and Time Lags in the Uptake of Cationic Dyes on Acrylic Fibers. 1988 , 58, 247-254	8
1429	Evolution of an aging program Minuteman Stage II solid rocket motor. 1988 ,	
1428	Non-equilibrium behavior of small carbohydrate-water systems. 1988 , 60, 1841-1864	209
1427	A new apparatus for measuring high viscosities. 1988 , 21, 1074-1077	6
1426	STRUCTURAL STABILITY OF INTERMEDIATE MOISTURE FOODS: A NEW UNDERSTANDING?. 1988 , 115-147	10
1425	A New Ultra-thin Film of Solid Polymer Electrolyte Prepared by Plasma Polymerization. 1988 , 17, 1811-1814	3
1424	Design of Single Ionic Conduction in Polymeric Solid Electrolytes. 1989 , 26, 551-566	9
1423	Structural Integrity. 1989 ,	
1422	Polymer Ionics. 1989 , 14, 39-51	29
1421	Investigation of diffusion processes in poly(ethylene oxide)/poly(methyl methacrylate) blends by laser light scattering spectroscopy. 1989 , 91, 3160-3167	4
1420	Modeling of Chemorheology of an Amine-Epoxy System of the Type Used in Advanced Composites. 1989 , 23, 163-194	27
1419	Development of a Method for the Prediction of Pressure-Viscosity Coefficients of Lubricating Oils Based on Free-Volume Theory. 1989 , 111, 121-128	43

1418	Thermally Stimulated Depolarization Current Study of Molecular Motions in Polychlorotrifluoroethylene. 1989 , 28, L1616-L1619	12
1417	Linear Viscoelastic Properties of a Poly(arylene ether ketone) with Various Molecular Weights. 1989 , 1, 41-59	7
1416	Thermal depolarisation measurements on PVK films. 1989 , 22, 174-181	6
1415	Recent Trends in Polymer Electrolytes Based on Poly(Ethylene Oxide). 1989 , 26, 519-550	44
1414	Glass transition and AC conductivity of Ag ⁺ conducting glasses. 1989 , 23, 99-120	37
1413	Free volume effects on the melt viscosity of low molecular weight poly(methyl methacrylate). 1989 , 30, 461-466	18
1412	Mechanical relaxation in isotactic polypropylene. 1989 , 30, 1439-1445	70
1411	Dielectric relaxation behaviour of poly(cyclohexylmethyl methacrylate) and poly(benzyl methacrylate). 1989 , 30, 1685-1689	15
1410	Impact behaviour of nylon-rubber blends: 5. Influence of the mechanical properties of the elastomer. 1989 , 30, 71-77	169
1409	Paramagnetic resonance studies of the molecular motions of spin probes dissolved in polymers and polymer/plasticizer mixtures. 1989 , 30, 165-169	8
1408	Some correlations involving the shear viscosity of polystyrene melts. 1989 , 28, 321-332	56
1407	On the dynamical mechanical behaviour of atactic polystyrene. 1989 , 24, 1513-1520	6
1406	. 1989 , 24, 523-531	10
1405	Increase in viscosity and its influence on polymerization processes. 1989 , 12, 71-87	39
1404	Preparation and characterization of a thin film of polymer electrolyte by plasma CVD part IV. All-solid-state lithium batteries. 1989 , 26, 457-460	10
1403	Effect of low temperature on the flexural behaviour of polypropylene mesh reinforced fibre cement composite. 1989 , 11, 149-152	1
1402	The effects of time, temperature and stress on the long-term behaviour of CFRP. 1989 , 35, 75-94	12
1401	The nature of glassy state instability. 1989 , 24, 319-326	3

1400 The measurement and calculation of birefringence in quenched polycarbonate specimens. **1989**, 30, 1143-1149_{1,2}

1399 Dynamic compressibility of poly(vinyl acetate) and poly(methyl methacrylate): effects of molecular weight. **1989**, 30, 648-653 5

1398 Correlation between the equation of state and the temperature and pressure dependence of viscosity in polymer and simple liquids. **1989**, 30, 1895-1902 1

1397 Investigation of the mobility of polybutadienes: 1. Excimer fluorescence technique. **1989**, 30, 45-50 42

1396 Fluorescence studies of polymer dynamics. **1989**, 43, 59-71 41

1395 Effect of crystallinity on the dynamic mechanical relaxations of poly(butylene isophthalate). **1989**, 21, 77-84 2

1394 Sintering and crystallization phenomena in Silceram glass. **1989**, 24, 1025-1037 22

1393 Use of parametric models in designing polymeric materials to specifications. **1989**, 39, 79-92

1392 Time-dependent autohesion. **1989**, 39, 201-216 13

1391 Ionic conductivity of unsaturated polyester resin networks containing LiClO₄. **1989**, 21, 421-427 20

1390 Monitoring the cure of a composite matrix resin with microdielectrometry. **1989**, 29, 290-294 24

1389 Dielectric analysis of the cure of thermosetting epoxy/amine systems. **1989**, 29, 325-328 34

1388 Evaluation of dielectric cure models for an epoxy-amine resin system. **1989**, 29, 339-346 21

1387 Reducing residual stresses in molded parts. **1989**, 29, 441-447 28

1386 Plasticizer-induced changes in the mechanical rate of response of film coatings: an approach to quantitating plasticizer effectiveness. **1989**, 55, 247-256 18

1385 The effect of pH and NaCl content on starch gel ageing. A study by differential scanning calorimetry and rheology. **1989**, 10, 123-138 43

1384 Dynamic-mechanical Properties. **1989**, 533-569 12

1383 Broadband dielectric spectroscopy on side group liquid crystal polymers. **1989**, 4, 79-86 64

1382	The Mechanical Behaviour of Polyimide/Copper Laminates Part 2: Peel Energy Measurements. 1989 , 30, 151-170	10
1381	Epoxy Molding Compounds as Encapsulation Materials for Microelectronic Devices. 1989 , 1-48	132
1380	Kinetics of crystallization of rapidly quenched FeNdB alloy and its application in the processing of permanent magnets. 1989 , 113, 185-194	19
1379	NMR Spectroscopy of Polymers in the Solid State. 1989 , 397-428	4
1378	ESR Spectroscopy. 1989 , 517-541	11
1377	Glass Formation and Glassy Behavior. 1989 , 311-362	136
1376	Ionic Conductivity. 1989 , 669-686	7
1375	Kinetic Viscoelasticity for the Dynamic Mechanical Properties of Polymeric Systems. 1989 , 26, 227-247	25
1374	Rheological characterization and analysis of a bismaleimide matrix. 1989 , 25, 125-140	2
1373	Calculation of the Viscosity of Nuclear Waste Glass Systems. 1989 , 176, 427	2
1372	Corresponding States Concept for Simple Supercooled Liquids Identifying a Change of Diffusion Mechanism above the Glass Transition Temperature. 1990 , 94, 392-399	31
1371	Carbon-13 NMR studies of local dynamics in polymer solutions and melts. 1990 , 34, 113-123	0
1370	Strong and Fragile Behavior in Liquid Polymers. 1990 , 215, 3	26
1369	Polymer Electrolytes: Hopping, Domain Structures and Frequency-Dependent Conductivity. 1990 , 210, 109	
1368	Structural Dynamics of Polymer Electrolytes. 1990 , 210, 163	
1367	Carbon-13 Two Dimensional Chemical Shift Anisotropy Exchange Patterns in Blends of Polyphenylene Oxide and Polystyrene Near the Glass Transition. 1990 , 215, 133	1
1366	Free-Volume Properties of Amorphous Polymers Probed by Positron Annihilation Spectroscopy. 1990 , 215, 163	1
1365	The Study on Physical Properties of Coating and its Films. 1990 , 63, 734-743	

1364	Dialysis Performance of the Modified Poly(vinyl alcohol) Membranes. 1990 , 22, 477-481	8
1363	Effects of Temperature on Viscoelastic Properties and Activation Energies of Whey Protein Gels. 1990 , 55, 1296-1302	33
1362	THE VISCOSITY OF SUPERCOOLED FRUCTOSE AND ITS GLASS TRANSITION TEMPERATURE. 1990 , 21, 355-362	65
1361	Investigation of local dynamics of polymer chains in the bulk by the excimer fluorescence technique. 1990 , 15, 337-360	30
1360	Luminescent probe studies of the microstructure and mobility of solid polymers. 1990 , 15, 361-424	91
1359	Positron annihilation spectroscopy for chemical analysis: A novel probe for microstructural analysis of polymers. 1990 , 42, 72-102	664
1358	Flexible styrylcoumarin fluorescence probe for polymerization. 1990 , 53, 387-396	11
1357	Dielectric study on the miscibility of binary polymer blends. 1990 , 31, 1883-1887	80
1356	Free volume analysis of the viscosity of concentrated polymer solutions. 1990 , 31, 1486-1490	6
1355	Thermally stimulated luminescence and conductivity [Additional tools for thermal analysis of polymers. 1990 , 36, 331-359	14
1354	Small deformation viscoelastic response of gum and highly filled elastomers. 1990 , 29, 152-162	16
1353	On the relaxation of shear and normal stresses of viscoelastic fluids following constant shear rate experiments. 1990 , 29, 261-280	10
1352	Pressure Dependence of Shear Viscosity. 1990 , 120, 133-138	7
1351	A simple model of nonisothermal coextrusion. 1990 , 30, 408-415	6
1350	Viscoelastic response of epoxy glasses subjected to different thermal treatments. 1990 , 30, 431-435	33
1349	Crystallization of isotactic (D,L) poly(propylene oxide) in the presence of fine-particle silica. I: Radial growth rates of spherulites. 1990 , 30, 769-775	8
1348	A Review of Polymer Interfaces in Tyre Technology. 1990 , 22, 265-301	11
1347	Superposition properties of relaxation or retardation spectra. 1990 , 25, 4036-4041	5

1346	Solid State NMR spectroscopy in polymer science. 1990 , 2, 72-81	22
1345	Polymers with Ionic Conductivity. 1990 , 2, 278-286	234
1344	Simulation of the processing of thermoset polymers. 1990 , 30, 1633-1647	2
1343	Charge trapping in organic polymers. 1990 , 36, 59-68	1
1342	Effects of prepreg ageing and post-cure hygrothermal conditioning on the mechanical behaviour of carbon-fibre/epoxy laminates. 1990 , 38, 359-370	25
1341	Density distribution in quenched polymers. 1990 , 31, 935-938	2
1340	Investigation of local molecular motions in bulk polymers through the emission properties of an intramolecular excimer-forming probe. 1990 , 31, 110-114	20
1339	Isothermal crystallisation kinetics of liquid crystal semiflexible polyesters. 1990 , 162, 179-188	10
1338	On the temperature dependence of relaxation in glass-forming liquids. 1990 , 93, 8399-8400	6
1337	Two-dimensional exchange nuclear magnetic resonance of powder samples. III. Transition to motional averaging and application to the glass transition. 1990 , 93, 197-214	114
1336	Short-time relaxation at polymeric interfaces. 1990 , 42, 6846-6849	75
1335	Molecular dynamics and the glass transition in a columnar liquid crystal formed by a chiral discotic mesogen. 1990 , 8, 889-893	49
1334	Migration of liquid polymers on solid surfaces. 1990 , 92, 3189-3196	109
1333	Corresponding states analysis for viscosity and nuclear magnetic resonance data in the glass transition regime. 1990 , 92, 3725-3735	46
1332	Ultimate Tensile Properties of Normal and Modified Wool. 1990 , 60, 42-49	5
1331	Influences of the Glassy and Rubbery States on the Thermal, Mechanical, and Structural Properties of Doughs and Baked Products. 1990 , 157-330	57
1330	Charge Carrier Mobility in Polymer Materials: Mechanisms in Polymer Electrolytes, and Relationships to Electronic Conductors. 1990 , 190, 171-183	1
1329	Fourier Transform Mechanical Analysis and Phenomenological Representation of Viscoelastic Material Behavior. 1990 , 92-110	1

1328	A Note on the Heat-setting of Nylon 6.6. 1990 , 81, 214-217	8
1327	Single Ionic Conduction Based on Poly(Siloxane-g-Ethylene Oxide) Effect of Sterically Hindered Groups on Ion Dissociation. 1990 , 190, 205-211	
1326	High pressure rheology for high pressure lubrication: A review. 1990 , 34, 1387-1414	19
1325	The possibly trapped excess free volume. 1990 , 29, 237-248	4
1324	Compression Thermal Analysis of the Consolidation Process for Thermoplastic Matrix Composites. 1990 , 3, 216-232	4
1323	The molecular basis of moisture effects on the physical and chemical stability of drugs in the solid state. 1990 , 62, 87-95	436
1322	Pressure-Sensitive Adhesives for Tapes and Labels. 1990 , 641-663	7
1321	Three-dimensional analysis of solid propellant grains using a nonlinear viscoelastic model. 1990 ,	1
1320	Second-order nonlinear optical properties and relaxation characteristics of poled linear epoxy polymers with tolane chromophores. 1991 , 69, 8011-8017	53
1319	.	1
1318	Nature of nonexponential loss of correlation above the glass transition investigated by multidimensional NMR. 1991 , 66, 3020-3023	570
1317	Characteristic length of glass transition. 1991 , 131-133, 204-206	57
1316	Intermolecular cooperativity in dielectric and viscoelastic relaxation. 1991 , 131-133, 293-301	19
1315	Study of stress and birefringence relaxation of new amorphous polyarylates. 1991 , 131-133, 781-792	5
1314	A myopic review of the viscoelastic behavior of polymers. 1991 , 131-133, 836-851	22
1313	Diffusion of drug in acrylic-type pressure-sensitive adhesive matrices. I. Influence of physical property of the matrices on the drug diffusion. 1991 , 17, 69-77	33
1312	Diffusion of penetrants in amorphous polymers: A molecular dynamics study. 1991 , 94, 3192-3199	127
1311	Oxidation of methyl linoleate encapsulated in amorphous lactose-based food model. 1991 , 39, 637-641	174

1310	Investigation of the mutual diffusion in poly(ethylene oxide)/poly(methyl methacrylate) blends by photon correlation spectroscopy. 1991 , 94, 3229-3234	5
1309	Glass Transition and Relaxation of Disordered Structures. 1991 , 45, 179-254	53
1308	Dynamic analysis of drop weight impact rocket propellant ignition. 1991 ,	2
1307	Notes on Free Volume Theories. 1991 , 23, 1499-1506	41
1306	Aging and Fracture Behavior of Polymers. 1991 , 226, 315	
1305	Physical adhesion of rubber to glass: cross-link density effects near equilibrium. 1991 , 11, 170-176	29
1304	Thermal expansion and fractional free volume changes of metallic glasses during heating. 1991 , 134, 996-999	10
1303	Analysis of the master curve for the viscoelastic behaviour of polymers. 1991 , 12, 35-46	11
1302	Dielectric relaxation during physical ageing. 1991 , 32, 2135-2140	61
1301	Dielectric relaxation studies of bisphenol-A polycarbonate-N,N'-bis(3-methylphenyl)-1,1'-biphenyl-4,4'-diamine solid solutions. 1991 , 32, 2238-2243	1
1300	Aspects of simple, non-cooperative relaxations. 1991 , 32, 2443-2448	114
1299	Molecular packing and free volume in crosslinked epoxy networks. 1991 , 32, 1875-1884	55
1298	Instrument-independent dynamic mechanical analysis of polymeric systems. 1991 , 32, 445-453	9
1297	Volumetric properties of epoxy networks cured by cycloaliphatic mono- and diamines. 1991 , 32, 79-83	14
1296	Thermorheologically complex behavior of multi-phase viscoelastic materials. 1991 , 39, 859-880	30
1295	Relationship between the molecular constant, isothermal volume derivative of thermodynamic Gr \ddot{u} neisen parameter, nonlinearity parameter and intermolecular forces in liquids. 1991 , 37, 489-496	5
1294	Beyond water activity: recent advances based on an alternative approach to the assessment of food quality and safety. 1991 , 30, 115-360	1153
1293	Dynamic anomaly in the glass transition region of orthoterphenyl. 1991 , 83, 175-184	219

1292	X-ray and neutron reflectometry for the investigation of polymer diffusion. 1991 , 341, 284-288	3
1291	Plasticizing Effect of Water on Thermal Behavior and Crystallization of Amorphous Food Models. 1991 , 56, 38-43	532
1290	Water and Molecular Weight Effects on Glass Transitions in Amorphous Carbohydrates and Carbohydrate Solutions. 1991 , 56, 1676-1681	334
1289	Dynamic viscoelasticity and thermal behaviour of pectin/calcium gels. 1991 , 5, 105-108	18
1288	Effect of molecular size and free volume on diffusion in liquids. 1991 , 46, 2133-2141	27
1287	Spin-label study of immiscible polymersII. Influence of polyisoprene on end-labelled polystyrene. 1991 , 27, 1181-1186	9
1286	Structure and thermal history dependent enthalpy relaxation at the glass transition of semicrystalline polyimides. 1991 , 32, 2053-2059	22
1285	Viscoelastic relaxation in oriented semicrystalline polymers. 1991 , 32, 1798-1802	7
1284	On the nature of supercooled and glassy states of matter. 1991 , 177, 345-355	15
1283	Solvent-induced sensitization of particle tracks in polyester. 1991 , 19, 189-196	9
1282	General function with scaling properties and the time-temperature superposition. 1991 , 13, 1513-1525	4
1281	Viscoelastic characterization of high performance epoxy matrix composites. 1991 , 12, 273-280	26
1280	A unified simulation of the filling and postfilling stages in injection molding. Part I: Formulation. 1991 , 31, 116-124	230
1279	Viscoelastic response of model epoxy networks in the glass transition region. 1991 , 31, 615-621	71
1278	Dielectric and viscoelastic studies of poly(ethyl methacrylate) containing cholesteric compounds. 1991 , 24, 33-38	3
1277	Morphological and kinetics study of PEO/PVC blends. 1991 , 25, 225-228	6
1276	The application of luminescence techniques in polymer science. 1991 , 26, 35-49	20
1275	Dielectric and relaxation behaviour studies in acrylonitrile-methylacrylate copolymer. 1991 , 2, 146-148	9

1274	The peculiar rheo-optical behavior of bisphenol A-polycarbonate and polymethylmethacrylate. 1991 , 30, 329-340	16
1273	Effects of water on diffusion in food systems. 1991 , 302, 157-73	31
1272	Effects of blending on local chain dynamics and glass transition: Polystyrene/poly(vinyl methyl ether) blends as studied by high-resolution solid-state ¹³ C nuclear magnetic resonance spectroscopy. 1991 , 94, 3200-3206	79
1271	Stability of nonlinear optical characteristics and dielectric relaxations of poled amorphous polymers with main-chain chromophores. 1991 , 69, 2568-2576	54
1270	Theories of Sorption and Transport in Polymer Membrane. 1991 , 23, 467-479	8
1269	The High Pressure High Shear Stress Rheology of Liquid Lubricants. 1992 , 114, 1-9	124
1268	Glassy state relaxation and deformation in polymers. 1992 , 149-190	19
1267	Thermal Stresses in Nonlinearly Viscoelastic Solids. 1992 , 59, S43-S49	11
1266	Constitutive Modeling of High-Elongation Solid Propellants. 1992 , 114, 111-115	38
1265	Thermal Elastohydrodynamic Lubrication of Rolling/Sliding Line Contacts. 1992 , 114, 706-713	10
1264	Injection Molding of Polymers and Polymer Composites: Process Modeling and Simulation. 1992 , 17, 45-49	25
1263	Thermally induced microstructural changes in undoped and doped polyacrylonitrile: A positron-annihilation study. 1992 , 46, 11471-11478	16
1262	Reorientational motion of a cross-link junction in a poly(dimethylsiloxane) network measured by time-resolved fluorescence depolarization. 1992 , 96, 3269-3278	23
1261	Two-dimensional exchange nuclear magnetic resonance of powder samples. IV. Distribution of correlation times and line shapes in the intermediate dynamic range. 1992 , 97, 7944-7954	91
1260	Thermoplasticity and parallel-plate poling of electro-optic polyimide host thin films. 1992 , 60, 160-162	41
1259	An infrared spectroscopic study of photo-induced reorientation in dye containing liquid-crystalline polymers. 1992 , 11, 251-267	92
1258	.	
1257	Synthesis, Structure, and Properties of Poly(4-Methyl-1 -Pentene). 1992 , 32, 301-406	52

- 1256 Viscosity-Temperature Relationship for High Solids Acrylic Oligomer Solutions. **1992**, 65, 2-8
- 1255 Discussion: The High Pressure High Shear Stress Rheology of Liquid Lubricants (Bair, S., and Winer, W. O., 1992, ASME J. Tribol., 114, pp. 19). **1992**, 114, 9-10
- 1254 Relaxation in permanent networks. **1992**, 27-36 7
- 1253 Crystallization kinetics of mixtures of poly(ϵ -caprolactone) and poly(styrene-co-acrylonitrile). **1992**, 31, 227-238 11
- 1252 On the use of the WLF model in polymers and foods. **1992**, 32, 59-66 159
- 1251 Birefringence of amorphous polymers. V. Dynamic measurements on poly(ϵ -methyl styrene) and polycarbonate. **1992**, 36, 1737-1755 25
- 1250 Effect of glass transition on rates of nonenzymic browning in food systems. **1992**, 40, 873-879 252
- 1249 Molecular dynamics at the glass transition: One dimensional and two dimensional nuclear magnetic resonance studies of a glass-forming discotic liquid crystal. **1992**, 97, 3749-3759 60
- 1248 Novel polyurethane polyols for waterborne and high solids coatings. **1992**, 20, 235-259 16
- 1247 Relationship Between Water and Lipid Oxidation Rates. **1992**, 93-103 25
- 1246 IONIC CONDUCTIVITY OF POLYMER ELECTROLYTES. **1992**, 411-416
- 1245 Dependence of viscosity on the composition of concentrated dispersions and the free volume concept of disperse systems. **1992**, 103-147 5
- 1244 Rheological characterization of fast-reacting thermosets through spiral flow experiments. **1992**, 32, 172-181 4
- 1243 Free volume theory and nonlinear thermoviscoelasticity. **1992**, 32, 542-557 97
- 1242 Shear-rate-dependence modeling of polymer melt viscosity. **1992**, 32, 931-938 106
- 1241 Properties of a semi-crystalline and an amorphous thermotropic liquid crystalline polymer. **1992**, 27, 165-175 18
- 1240 Dielectric relaxations in poly [2,2-propane-bis-(4-phenyl thiocarbonate)]. **1992**, 28, 227-232 2
- 1239 Relationship of the Sharma-Parameter S_0 with thermo-acoustic parameters of polymers at the glass temperature using volume expansivity data. **1992**, 130, 335-342 0

- 1238 Characterization of solute-membrane interactions by TMA-measurements. **1992**, 270, 1135-1146
- 1237 Viscous behaviour and glass formation in Fe₇₈B₁₃Si₉ amorphous alloy. **1992**, 27, 2340-2344 3
- 1236 Crystallization of Amorphous Lactose. **1992**, 57, 775-777 213
- 1235 Effect of gamma-irradiation on structural and electrical properties of poly (bisphenol-A carbonate) films. **1992**, 39, 435-442
- 1234 Adherence, friction and wear of rubber-like materials. **1992**, 158, 87-117 74
- 1233 Effects of humidity on an epoxy adhesive. **1992**, 12, 191-196 49
- 1232 A paramagnetic resonance study of the molecular motions of spin probes dissolved in poly (vinyl acetate). **1992**, 33, 963-966 7
- 1231 Williams-Landel-Ferry versus Arrhenius behaviour: polystyrene melt viscoelasticity revised. **1992**, 33, 4983-4989 40
- 1230 Crosslinked polycarbonate polyurethanes: preparation and physical properties. **1992**, 33, 1384-1390 14
- 1229 Effects of hydrostatic pressure on crack growth in elastomers. **1992**, 33, 4069-4074 6
- 1228 Dynamic micromechanical investigations into particle/particle interfaces in latex films. **1992**, 33, 4164-4173 41
- 1227 Nuclear magnetic resonance approach to properties of poly(ethylene oxide)-poly(methyl methacrylate) blends: 1. Chain dynamics and free volume. **1992**, 33, 2076-2083 11
- 1226 On the analysis of mechanical relaxation at the glass transition in thermoset polymers. **1992**, 33, 2234-2237 5
- 1225 Growth rate of isotactic polystyrene crystals in concentrated solutions and in the melt. **1992**, 33, 2496-2501 18
- 1224 Ionic motions in network polymers containing lithium perchlorate. **1992**, 33, 4699-4704 17
- 1223 Dynamic micromechanical properties of styrene-butadiene copolymer latex films. **1992**, 33, 562-571 32
- 1222 Some effects of structure on the cure of glycidylether epoxy resins. **1992**, 33, 1177-1186 27
- 1221 Novel single and double ion type siloxane polymeric solid electrolytes prepared by same prepolymers. **1992**, 37, 1183-1186 4

1220	Time-resolved fluorescence measurements for the characterization of epoxy systems. 1992 , 28, 525-533	8
1219	Grapplings with the simulation of non-Newtonian flows in polymer processing. 1992 , 34, 701-723	12
1218	Comments on free volume theories for polymer-solvent systems. 1993 , 48, 3037-3042	10
1217	Anomalous behavior of the glass transition temperature for a mixture of alcohol and aqueous LiCl solution. 1993 , 210, 107-110	8
1216	The influence of penetrant concentration on the diffusion and permeation of small molecules in polymers above T_g . 1993 , 29, 237-243	11
1215	Liquid polyether electrolytes—a spin-probe study. 1993 , 29, 245-248	3
1214	Plasticization of aqueous poly(vinyl alcohol) and hydroxypropyl methylcellulose with polyethylene glycols and glycerol. 1993 , 29, 937-943	26
1213	On the mechanism of gas transport in rigid polymer membranes. 1993 , 49, 2081-2090	27
1212	Chemical reaction kinetics in relation to glass transition temperatures in frozen food polymer solutions. 1993 , 61, 51-56	56
1211	The glassy state phenomenon in applications for the food industry: Application of the food polymer science approach to structure-function relationships of sucrose in cookie and cracker systems. 1993 , 63, 133-176	105
1210	Calorimetric study of the glass transition occurring in aqueous glucose: Fructose solutions. 1993 , 63, 177-188	50
1209	The AI project—an overview. 1993 , 46, 69-88	41
1208	Water relationships in starch transitions. 1993 , 21, 105-131	87
1207	Coupled stress-diffusion: Case II. 1993 , 41, 863-887	64
1206	Dielectric relaxation of isotactic polystyrene above the glass transition temperature. 1993 , 34, 238-246	23
1205	Determination of the glass transition temperature of poly(cyclohexyl acrylate) from oxygen permeability measurements. 1993 , 34, 2971-2974	10
1204	^2H n.m.r. study of high pressure effects on the molecular dynamics in polystyrene: 1. Main chain motion. 1993 , 34, 4629-4634	8
1203	Study of carbon fibre surface treatments by dynamic mechanical analysis. 1993 , 28, 3353-3366	69

1202	Rheology of polydisperse polymers: relationship between intermolecular interactions and molecular weight distribution. 1993 , 32, 156-167	60
1201	Modeling viscoelastic behavior of glasses during physical aging. 1993 , 33, 486-496	14
1200	The influence of rubber-matrix interfaces on the crystallization kinetics of isotactic polypropylene blended with ethylene-propylene-diene terpolymer (EPDM). 1993 , 33, 877-888	28
1199	Study of dielectric relaxation of an epoxide oligomer by a direct current transient method. 1993 , 33, 1301-1307	18
1198	Method of determination of dielectric relaxation characteristics of plasticized polystyrenes on the basis of calorimetric glass temperature. 1993 , 271, 834-842	9
1197	Influence of compositional variables and testing temperature on the wear of hydrogenated nitrile rubber. 1993 , 28, 1351-1359	17
1196	The glassy state and accelerated aging of soybeans. 1993 , 89, 767-774	45
1195	Glassy State in Bacterial Spores Predicted by Polymer Glass-Transition Theory. 1993 , 58, 445-448	66
1194	WATER ACTIVITY and PHYSICAL STATE EFFECTS ON AMORPHOUS FOOD STABILITY. 1993 , 16, 433-447	213
1193	APPLICATION of the WLF EQUATION to DESCRIBE the COMBINED EFFECTS of MOISTURE and TEMPERATURE ON NONENZYMATIC BROWNING RATES IN FOOD SYSTEMS. 1993 , 17, 31-45	54
1192	Temperature dependence of thermal inactivation rate constants of bacterial spores in a glassy state. 1993 , 12, 247-250	10
1191	Abstracts of papers and posters Meeting on Pharmaceutical Sciences. 1993 , 15, K3-K22	
1190	A solid-state n.m.r. study of microphase structure and segmental dynamics of poly(styrene-b-methylphenylsiloxane) diblock copolymers. 1993 , 34, 267-276	85
1189	Friction and wear of rubber-like materials. 1993 , 160, 1-11	44
1188	NMR and fractal properties of polymeric liquids and gels. 1993 , 25, 1-316	138
1187	Non-Arrhenius response of glass-forming liquids. 1993 , 48, 15638-15645	97
1186	.	
1185	Kinetics of spinodal decomposition in a polymer mixture. 1993 , 47, 1132-1138	20

1184	Non-linear creep and recovery behaviour of high-density polyethylene. 1993 , 28, 1447-1452	7
1183	Chapter 7 Bulk characterization. 1993 , 2, 73-86	
1182	Conductivity relaxation of poly(3-alkylthiophene)s. 1993 , 57, 4936-4943	7
1181	Effects of Plasticizers on Water Permeation and Mechanical Properties of Cellulose Acetate: Antiplasticization in Slightly Plasticized Polymer Film. 1993 , 19, 1541-1555	54
1180	Interface and Interphase in Carbon Fibre-Styrene Butadiene Rubber (SBR) Composites. 1993 , 40, 93-106	6
1179	Compressive mechanical property tests for energetic material hazard sensitivity. 1993 , 9, 337-344	4
1178	An Experimental/Analytical Study of Strains in Encapsulated Assemblies. 1993 , 115, 298-304	
1177	Reaction orders of Decomposition of Anhydrous Amorphates. 1993 , 19, 1811-1820	4
1176	An Experimental Verification of the Significance of the Reciprocal Asymptotic Isoviscous Pressure for EHD Lubricants. 1993 , 36, 153-162	29
1175	Glass transition in a Fredrickson model with vacancies. 1993 , 48, 9369-9373	27
1174	Glass transition and dynamic-mobility spectrum of an isotropic system of rodlike molecules. 1993 , 47, 1108-1118	
1173	Anelastic Deformation of a Thermoplastic-Matrix Fiber Composite at Elevated Temperature; Part II: Time-Temperature Dependent Matrix Behavior. 1993 , 27, 886-907	6
1172	The glassy state and accelerated aging of soybeans. 1993 , 89, 767-774	34
1171	Non-Newtonian Effects in Elastohydrodynamic Lubrication. 1993 , 25, 15-26	8
1170	Correlation between Positron Annihilation and Gas Diffusion Properties of Various Rubbery Polymers. 1993 , 25, 275-284	42
1169	CONSTITUTIVE MODELS FOR DILUTE AND CONCENTRATED FOOD BIOPOLYMER SYSTEMS. 1993 , 43-75	
1168	Viscosity and Dissociation Mechanism of a Cryolite Flux, Na ₃ AlF ₆ , during the Growth of Corundum Single Crystals. 1993 , 66, 1098-1103	3
1167	Free Volume Holes of Rubbery Polymers Probed by Positron Annihilation.. 1993 , 66, 61-68	25

1166	Molecular dynamics near the glass transition. 1993 , 80, 1317-1330	21
1165	Relaxation during stress-strain cycles of networks in the glass transition range and its description with an onsager approach. 1993 , 76, 113-116	2
1164	Relaxation and Deformation in Glassy Polymers. 1993 , 321, 161	1
1163	Relaxation Phenomena in Poled Electro-Optic Polymers. 1993 , 328, 499	2
1162	Novel Experimental Protocol for Studying Temporal Decay of Second-Order Nonlinear Optical Polymer Properties: Quantitative Analysis Of Coupling to Polymer Dynamics and Conditions for Temporal Stability. 1993 , 328, 443	
1161	Supercritical Gas Solvents as Viscosity-Reducing Agents for Thermoplastic Composite Processing. 1993 ,	
1160	Parameter Determination for the Design of Rubber Parts and Gaskets. 1993 ,	0
1159	Single-Ionic Conductivity in Poly(Sodium 2-Methacryloyl 3-[Methoxyl Oligo(Oxyethylene)]Propylsulfonate). 1994 , 31, 543-553	
1158	Rheological Behavior and Processing of Unvulcanized Rubber. 1994 , 257-338	1
1157	Bio-packaging: technology and properties of edible and/or biodegradable material of agricultural origin. 1994 , 159-181	63
1156	Peculiarities of dielectric relaxation near T _g for PEPCa layers. 1994 , 76, 837-840	1
1155	Low-Temperature Low-Frequency Dielectric Relaxations in VDF(81)/TeFE(19) Copolymers. 1994 , 3, 374-383	
1154	A novel model for the ionic conducting polymers with non-Arrhenius temperature dependence. 1994 , 6, 5833-5837	2
1153	Nonequilibrium mass and heat transport in polymers: Spectroscopic approach. 1994 , 100, 4509-4517	5
1152	Transverse deuteron spin relaxation studies of a smectic liquid crystal polymer: Local motions, order director fluctuations, and the glass transition process. 1994 , 100, 1693-1707	14
1151	Ionic transport in polymer electrolytes based on renewing environments. 1994 , 100, 3979-3984	17
1150	Syntheses and kinetics of piperazine-modified poly(vinyl chloride)s for use as fixed-site proton carrier membranes. 1994 , 35, 2141-2147	27
1149	The curing of epoxy resins as studied by various methods. 1994 , 35, 5269-5278	54

1148	Polysodium 2-[methacryloyl oligooxyethylene]] ethylsulfonate as a new type of polymer electrolyte with Na ⁺ single-ionic conductivity. 1994 , 35, 3740-3744	8
1147	On the morphology of poly(vinylidene fluoride) crystals in blends. 1994 , 35, 706-717	40
1146	Relaxation behaviour in the transition region of glassy systems. 1994 , 35, 791-795	1
1145	The shear and extensional flow properties of S1. 1994 , 52, 121-135	17
1144	Predicting the rheology of food biopolymers using constitutive models. 1994 , 25, 319-329	12
1143	Glassy-state phenomena in gellan-sucrose-corn syrup mixtures. 1994 , 25, 101-109	37
1142	Characterization of structural adhesives for load-bearing composite structural applications. 1994 , 27, 57-64	2
1141	Dispersive first-order reactions. II. Photochromic model system. 1994 , 182, 61-68	6
1140	Controlled stress, oscillatory rheometry of a petroleum pitch. 1994 , 32, 225-230	16
1139	Molecular thermodynamic model for solvent-induced glass transitions in polymer/supercritical fluid systems. 1994 , 49, 659-668	28
1138	High-pressure autoclave curing for a thermoset composite: effect on the glass transition temperature. 1994 , 29, 5985-5989	6
1137	Solidification behavior of the theta system 2-propanol/poly(n-butyl methacrylate) I. Influences of thermoreversible gelation on stationary flow. 1994 , 33, 159-164	2
1136	The mobility of polymer melts. 1994 , 35, 5551-5554	1
1135	Selected thermodynamic aspects of the influence of pressure on polymer systems. 1994 , 238, 371-395	5
1134	Principal features of structural relaxation in glassy polymers. A Review. 1994 , 34, 381-389	48
1133	In-line optical monitoring of polymer injection molding. 1994 , 34, 671-679	16
1132	Numerical simulation of the post-filling stage in injection molding with a two-phase model. 1994 , 34, 835-846	24
1131	A viscoelastic micor-mechanical analysis for dimensional stability of a composite layer. 1994 , 34, 1815-1822	10

1130	Molecular dynamics of cyclic and linear poly(dimethylsiloxanes). 1994 , 272, 1420-1429	51
1129	Poly(ethyl-n-butylsilylene): Structural, thermal, and flow properties of a liquid crystalline polysilane. 1994 , 4, 45-59	17
1128	A study on diffusional behavior of propyl viologen in poly(ethylene oxide) polymer solvents based on a combined use of steady-state cyclic voltammetry and potential-step chronoamperometry. 1994 , 39, 2261-2270	6
1127	Ionic conductivity and ¹ H NMR study of PEO-based polymer electrolytes. 1994 , 39, 1971-1975	2
1126	On the linearization of the free-volume laws in the solid polymer electrolytes field. 1994 , 30, 961-965	2
1125	Environmental durability of glass-fiber composites. 1994 , 13, 265-323	160
1124	Water and the glass transition Dependence of the glass transition on composition and chemical structure: Special implications for flour functionality in cookie baking. 1994 , 22, 143-188	81
1123	The anomalous shear flow properties of S1. 1994 , 52, 105-119	9
1122	Structure and ionic conductivity of graft polymer network electrolytes containing some star-like side chains and LiClO ₄ . 1994 , 72, 172-176	5
1121	Accelerated aging and life time prediction analysis of polymer composites: a new approach for a realistic prediction using cumulative damage theory. 1994 , 13, 295-322	12
1120	Comparison of dynamic mechanical measurements and T _g determinations with two different instruments. 1994 , 13, 113-128	39
1119	Dielectric spectroscopy of anaerobic adhesive cure. 1994 , 14, 211-236	6
1118	Influence of temperature on the dynamic and steady-shear rheology of pectin dispersions. 1994 , 23, 77-87	65
1117	Stability-related transitions of amorphous foods. 1994 , 246, 249-269	93
1116	Reassessment of cryotribology theory. 1994 , 174, 163-168	8
1115	Long-term prediction of creep in textile fibres. 1994 , 35, 2226-2228	10
1114	Crystallization kinetics in blends of isotactic and atactic poly(β -hydroxybutyrate). 1994 , 35, 3984-3989	64
1113	An extended analysis of the dielectric properties of poly[(2-cyanoethyl vinyl ether)-co-(vinyl alcohol)]. 1994 , 35, 2691-2700	18

1112	Wide-band dielectric spectroscopy of hydrated poly(hydroxyethyl methacrylate). 1994 , 35, 227-234	26
1111	Relaxation mode coupling and universality in stress-strain cycles of networks including the glass transition region. 1994 , 35, 2348-2354	3
1110	Structural relaxation around the glass transition temperature in amorphous polymer blends: temperature and composition dependence. 1994 , 35, 1688-1693	20
1109	Composition of the continuous phase in partially miscible blends of epoxy resin and epoxidized rubber by dynamic mechanical analysis. 1994 , 35, 956-966	41
1108	Poly (α -alkyl- β -glutamate)s, derived from long chain paraffinic alcohols. 1994 , 19, 79-135	41
1107	Mössbauer studies of polymers in the glassy state and near their glass transition. 1994 , 88, 137-147	3
1106	THE RHEOLOGICAL PROPERTIES OF RICE GRAIN. 1994 , 17, 1-17	8
1105	Pressure and temperature dependent viscosity of two glass forming liquids: Glycerol and dibutyl phthalate. 1994 , 100, 5178-5189	192
1104	High-Resolution ^{13}C NMR Investigations of Local Dynamics in Bulk Polymers at Temperatures Below and Above the Glass Transition Temperature. 1994 , 63-109	1
1103	Coupling of α and β Processes in Poly(ethyl methacrylate) Investigated by Multidimensional NMR. 1994 , 27, 4746-4754	102
1102	Additives and modifiers for cyanate ester resins. 1994 , 112-150	6
1101	A simple method for the automated reduction of solid propellant stress relaxation data. 1994 ,	
1100	Low-temperature relaxation and entropic barriers in supercooled liquids. 1994 , 266, 425-7	40
1099	Selective formation of gradient-index profiles inside a planar polymer substrate by a lithographic technique. 1994 , 33, 8078-86	
1098	Investigation of Different Polymers as Coating Materials for IR/ATR Spectroscopic Trace Analysis of Chlorinated Hydrocarbons in Water. 1994 , 48, 678-683	73
1097	The nature of the glass transition in a columnar hexagonal ordered phase. 1994 , 170, 295-299	26
1096	Glass transition in a modified Fredrickson model. 1994 , 168, 186-194	26
1095	Enthalpy relaxation and recovery in amorphous materials. 1994 , 169, 211-266	998

1094 Cooperative conformational relaxation. **1994**, 172-174, 344-347

1093 Positronium lifetime in an ellipsoidal free-volume hole of polymers. **1994**, 172-174, 806-814

34

1092 Relaxations in polymers derived from bisphenol-A. **1994**, 172-174, 907-910

1091 The development of state diagrams for cereal proteins. **1994**, 5, 281-288

137

1090 Role of matrix resin on the flexural static behavior of unidirectional pitch-based carbon fiber laminates. **1994**, 4, 87-99

14

1089 Loading Rate and Temperature Dependence on Flexural Fatigue Behavior of a Satin Woven CFRP Laminate. **1994**, 28, 1250-1260

75

1088 Relaxation in networks strained in the glass-transition regime. **1994**, 29-43

1

1087 Stationary state and dynamics of birefringence and nonlinear optical properties induced by electric field poling in polymeric films. **1994**, 98, 1231-1242

24

1086 Molecular dynamics of discotic charge-transfer complexes, dielectric spectroscopy and 2H NMR studie. **1994**, 17, 381-395

12

1085 Numerical Analysis of Power Consumption and Mixing Time for a Pseudoplastic Liquid in Geometrically Similar Stirred Vessels with Several Kinds of Plate-type Impellers.. **1994**, 27, 17-24

12

1084 Dielectric relaxations in bilayer structures of comb-like copolymers: Perfluoralkyl and liquid-crystalline side chains. **1995**, 90, 173-194

3

1083 Glass Transition Temperature and Free Volume (I). **1995**, 68, 41-51

3

1082 Miscibility and Molecular Motion of Poly(methyl acrylate)/Poly(vinyl acetate) Blend as Studied by ¹³C NMR in the Solid State. **1995**, 27, 284-291

15

1081 Electrochromic display device of tungsten trioxide and prussian blue films using polymer gel electrolyte of methacrylate. **1995**, 40, 227-232

30

1080 Controlled stress, oscillatory rheometry of mesophase-pitches. **1995**, 33, 1673-1679

5

1079 Characterization of food polymers using state diagrams. **1995**, 24, 339-360

201

1078 Physical aging behavior of high-performance composites. **1995**, 54, 405-415

31

1077 Predictive models for the creep behaviour of PMMA. **1995**, 197, 251-260

11

1076	Assessment of time-temperature superposition of linear viscoelastic behaviour of strongly interacting polymer blends: N-methylated nylon-2,10 and lightly sulfonated polystyrene ionomers. 1995 , 36, 4657-4664	14
1075	Investigations on the thermorheological simplicity of polypropylene fibres in the transition range. 1995 , 36, 1611-1615	20
1074	¹³ C Nuclear magnetic relaxation and local dynamics of synthetic polymers in dilute solution and in the bulk state. 1995 , 27, 555-633	53
1073	Modelling the behaviour of gas bubbles in an epoxy resin: Evaluating the input parameters for a diffusion model using a free-volume approach. 1995 , 30, 916-922	3
1072	Solidification behavior of the theta system 2-propanol/poly(n-butyl methacrylate). 1995 , 34, 172-181	3
1071	Relationship between molecular constant, Gr \ddot{u} neisen and nonlinearity parameters and intermolecular volume expansivity of liquids using thermo-acoustic data. 1995 , 149, 567-574	4
1070	Study of dielectric relaxation in poly(epoxypropylcarbazole). 1995 , 152, 529-540	1
1069	Aging characteristics of oriented poly(ethylene terephthalate). 1995 , 35, 1145-1154	28
1068	Viscoelastic properties of acrylonitrile-butadiene-styrene (ABS) polymers in the molten state. 1995 , 35, 1394-1406	19
1067	Viscoelastic response of elastomers in large deformations. 1995 , 3, 209-220	1
1066	Analyse du r \ddot{u} le de la transition vitreuse dans les proc \ddot{e} ds de conservation agro-alimentaires. 1995 , 26, 391-408	59
1065	The effect of phase transitions on release of n-propanol entrapped in carbohydrate glasses. 1995 , 24, 1-13	43
1064	Water and the glass transition Dependence of the glass transition on composition and chemical structure: Special implications for flour functionality in cookie baking. 1995 , 24, 431-509	89
1063	Simultaneous determination of in-plane shear and transverse moduli of unidirectional composite laminae at different strain rates and temperatures. 1995 , 53, 431-444	4
1062	Effect of physical changes on the rates of nonenzymic browning and related reactions. 1995 , 52, 167-173	66
1061	A thermodynamic approach to the viscous behaviour of glass-forming liquids. 1995 , 32, 285-293	1
1060	Analysis of the non-linear creep of high-density polyethylene. 1995 , 36, 93-99	103
1059	Conductivity studies on poly(MEEMA)-LiCF ₃ SO ₃ polymer-electrolyte systems. 1995 , 36, 2603-2606	7

1058	Gamma-irradiation effects on the structural and electrical properties of poly(2,6-dimethyl-1,4-phenylene oxide). 1995 , 36, 4179-4184	1
1057	Compositional variation of the glass transition and the associated dielectric relaxation in copolymers of vinylidene fluoride and trifluoroethylene. 1995 , 36, 3641-3648	7
1056	Tensile, stress relaxation and dynamic mechanical behaviour of polyethylene crystallized from highly deformed melts. 1995 , 36, 1383-1392	32
1055	Crystallization of poly(ethylene oxide) in binary blends containing poly(p-vinyl phenol). 1995 , 36, 3889-3897	39
1054	The tribological and dynamic behavior of alternative magnetic tape substrates. 1995 , 190, 28-43	21
1053	Physical aging of polymers. 1995 , 20, 703-760	755
1052	Universal viscosity-equation for silicate melts over wide temperature and pressure ranges. 1995 , 66, 1-8	15
1051	The application of the WLF equation to predict lag time as a function of temperature for three psychrotrophic bacteria. 1995 , 27, 107-15	10
1050	Loading rate and temperature dependence of flexural behaviour of unidirectional pitch-based CFRP laminates. 1995 , 26, 713-717	11
1049	Free volume and ionic conductivity of poly(ether urethane)-LiClO ₄ polymeric electrolyte studied by positron annihilation. 1995 , 77, 334-338	16
1048	Model of the glass transition. 1995 , 103, 8124-8129	13
1047	Glass transition in a Fredrickson-Anderson model with chemical reactions. 1995 , 52, 7195-7200	17
1046	Dielectric Relaxations of a Side Chain Liquid Crystal Homopolymer and Copolymer. 1995 , 258, 15-26	1
1045	Kinetics, Mechanism, and Rheological Properties of the Copolymers of 2-Ethylhexylacrylate and Styrene. 1995 , 32, 2049-2062	1
1044	Dynamic properties of discotic liquid crystals with triphenylene and benzene cores, studied by broadband dielectric spectroscopy. 1995 , 18, 117-121	25
1043	Rheological properties of sucrose solutions and suspensions. 1995 , 126-154	11
1042	Sucrose. 1995 ,	48
1041	Design of Passive Damping Systems. 1995 , 117, 171-176	31

1040	Design of Passive Damping Systems. 1995 , 117, 171-176	46
1039	Dielectric relaxations in ferroelectric copolymer vinylidene fluoride(65)/trifluoroethylene(35). 1995 , 4, 365-379	1
1038	Rheology of polysaccharide systems. 1995 , 250-494	29
1037	Prediction of the Physical State. 1995 , 157-192	7
1036	Physical State and Molecular Mobility. 1995 , 19-48	4
1035	Estimating Solvent Free-Volume Parameters from NMR Relaxation Studies. 1995 , 34, 2128-2132	2
1034	Viscoelasticity of polymers during heating/cooling sweeps. 1995 , 34, 3217-3222	10
1033	Influence of Stress Ratio on Fatigue Behavior in the Transverse Direction of Unidirectional CFRPS. 1995 , 29, 1808-1822	26
1032	Evaluation of viscosities of amorphous phases in partially frozen systems by WLF kinetics and glass transition temperatures. 1995 , 28, 367-372	47
1031	Volumetric shrinkage (collapse) in freeze-dried carbohydrates above their glass transition temperature. 1995 , 28, 145-151	132
1030	A study of acid-catalyzed sucrose hydrolysis in an amorphous polymeric matrix at reduced moisture contents. 1995 , 28, 359-365	48
1029	Physical aging in polymer glasses. 1995 , 267, 1945-7	329
1028	Glass transitions and water-food structure interactions. 1995 , 38, 103-269	209
1027	Rubbers. 1995 , 370-420	
1026	MaxwellWagnerSillars relaxations in polystyrene-glass-bead composites. 1995 , 77, 2651-2658	50
1025	Prediction of Polymer/Solvent Diffusion Behavior Using Free-Volume Theory. 1995 , 34, 2536-2544	146
1024	Relaxation processes in poled nonlinear optical polymer films. 1995 , 77, 965-969	36
1023	Creep Behavior of Fiber-Reinforced Polymeric Composites: A Review of the Technical Literature. 1995 , 14, 588-617	112

1022	Brownian dynamics simulation of dense binary colloidal mixtures. II. Translational and bond-orientational order. 1995 , 52, 4168-4178	9
1021	. 1995 , 2, 84-96	4
1020	STEADY SHEAR FLOW PROPERTIES OF HIGH SOLIDS SOFTWOOD KRAFT BLACK LIQUORS: EFFECTS OF TEMPERATURE, SOLIDS CONCENTRATIONS, LIGNIN MOLECULAR WEIGHT AND SHEAR RATE. 1995 , 139, 201-221	5
1019	Caking phenomena in amorphous food powders. 1995 , 6, 149-155	251
1018	3-D schapery representation for non-linear viscoelasticity and finite element implementation. 1996 , 18, 182-191	130
1017	Mechanism and Kinetics of EpoxyAmine Cure Studied by Differential Scanning Calorimetry. 1996 , 29, 1867-1873	370
1016	Physical, Chemical, and Microbiological Characteristics of Dehydrated Foods. 1996 , 29-99	7
1015	On modeling changes in food and biosolids at and around their glass transition temperature range. 1996 , 36, 49-67	48
1014	Fine Structure of the Main Transition in Amorphous Polymers: Entanglement Spacing and Characteristic Length of the Glass Transition. Discussion of Examples. 1996 , 29, 6589-6600	106
1013	Diffusion of Erucamide (13-cis-Docosenamide) in Isotactic Polypropylene□ 1996 , 29, 7164-7176	32
1012	The Very Long-Term Volume Recovery of Polycarbonate: Is Self-Retardation Finite?. 1996 , 29, 4992-4997	36
1011	Initial Stages of Interdiffusion of PMMA across an Interface. 1996 , 29, 2548-2554	48
1010	Second Harmonic Generation in Carbon Dioxide Processed Thin Polymer Films. 1996 , 29, 3565-3573	13
1009	Influence of Pendant Chains on Mechanical Properties of Model Poly(dimethylsiloxane) Networks. 2. Viscoelastic Properties. 1996 , 29, 4081-4089	49
1008	Dielectric Spectroscopy of Binary Polystyrene/Poly[styrene-b-(ethylene oxide)] Blends and Ternary Composites of Polystyrene/Poly[styrene-b-(ethylene oxide)] Swollen with Homopoly(ethylene oxide). 1996 , 29, 5046-5049	7
1007	Dielectric Spectroscopy of Polystyrene/Poly(ethylene oxide) Composites. 1996 , 29, 5042-5045	18
1006	Heat Capacity Spectroscopy Compared to Other Linear Response Methods at the Dynamic Glass Transition in Poly(vinyl acetate). 1996 , 29, 5183-5189	56
1005	Cellulose/Poly(vinyl alcohol) Blends. 1. Influence of Miscibility and Water Content on Relaxations. 1996 , 29, 1521-1527	28

1004	Time-temperature failure analysis of epoxies and unidirectional glass/epoxy composites in compression. 1996 , 27, 585-596	9
1003	On the dynamics of the highly anisotropic glass transition in a columnar discotic liquid crystal. 1996 , 197, 1-7	7
1002	Relaxation process for second-order nonlinear optical properties of poled diazo-dye-substituted polymers. 1996 , 79, 4358	5
1001	Spectroscopic Investigation of the Thermal Cis↔Trans Isomerization of Disperse Red 1 in Hybrid Polymers. 1996 , 29, 2599-2604	41
1000	Recrystallization of ice during bulk storage of ice cream. 1996 , 6, 1209-1221	69
999	Adhesion and Strength of Viscoelastic Solids. Is There a Relationship between Adhesion and Bulk Properties? 1996 , 12, 4492-4496	225
998	Fitting of viscosity: Distinguishing the temperature dependences predicted by various models of supercooled liquids. 1996 , 53, 751-758	118
997	High-Pressure Electrical Conductivity and NMR Studies in Variable Equivalent Weight NAFION Membranes. 1996 , 29, 4944-4951	101
996	Oligomeric 1,3,5-triazines containing disc-shaped penta-alkyne and triphenylene side groups. 1996 , 20, 459-467	20
995	Glass transition in inorganic glasses, polymers, and crystals. 1996 , 176, 25-32	6
994	THE DYNAMICS OF MACROMOLECULES. 1996 , 353-453	3
993	Influence of Cooperative Dynamics on Local Relaxation during the Development of the Dynamic Glass Transition in Poly(n-alkyl methacrylate)s. 1996 , 29, 247-253	266
992	Metastable intermediates from glassy solutions. Part 3. FTIR spectra of carbonic acid and its 2H and 13C isotopic forms, isolated from methanolic solution. 1996 , 92, 3183-3195	33
991	Dielectric Behavior of a Polycarbonate/Polyester Mixture upon Transesterification. 1996 , 29, 2318-2320	7
990	Dynamic mechanical properties of cyclohexane-based glass-forming liquid crystals and a linear side chain polymer analogue. 1996 , 20, 277-282	10
989	Reaction dynamics in glass transition region: Propagating radicals in ultraviolet-irradiated poly(methyl methacrylate). 1996 , 104, 5279-5283	8
988	A plastic columnar discotic phase Dp. 1996 , 20, 627-633	95
987	Strain and Age Effects on Behavior of a Concrete Pavement Joint Sealant Material. 1996 , 1529, 95-100	

986	Modeling DSC Annealing Peaks for Polyetherimide: Incorporation of Temperature Gradients. 1996 , 455, 177	
985	Fragility of Polymeric Liquids: Correlations between Thermodynamic and Dynamic Properties. 1996 , 455, 171	22
984	Time-Scaling Properties and Crystallization Kinetics of Amorphous Alloys. 1996 , 37, 1453-1457	8
983	DIFFUSION IN METALS AND ALLOYS. 1996 , 535-668	28
982	Variation of free volume parameters of polyalkylmethacrylate derivatives in the range from 15 to 300 K probed by positron annihilation lifetime measurement. 1996 , 210, 543-553	9
981	A positron annihilation lifetime spectroscopic study of the corrosion protective properties of epoxy coatings. 1996 , 28, 97-112	34
980	Influence of glycerol on the melting of potato starch. 1996 , 5, 1-9	73
979	A new Brillouin scattering analysis of high frequency relaxations in liquids demonstrated at the hypersound relaxation of PPG. 1996 , 37, 3483-3491	7
978	Characterization, dynamic swelling behaviour and solute transport in cationic networks with applications to the development of swelling-controlled release systems. 1996 , 37, 149-161	82
977	Spin probe investigation of molecular motions in polyepichlorohydrin: 1. 1996 , 37, 707-712	9
976	Crystallization kinetics of metallocene type polypropylenes. 1996 , 47, 913-929	34
975	Thermogravimetric and dynamic mechanical thermal analysis of pineapple fibre reinforced polyethylene composites. 1996 , 47, 1121-1140	136
974	Thermodynamic theory of viscoelasticity. 1996 , 46, 985-1010	11
973	A DSC study of the effects of sugars on thermal properties of rice starch gels before and after aging. 1996 , 47, 1201-1212	13
972	Effect of hydrothermal treatment on the gelatinisation properties of potato starch as measured by differential scanning calorimetry. 1996 , 47, 1229-1246	32
971	Effect of hydrocolloids on starch thermal transitions, as measured by DSC. 1996 , 47, 1247-1266	65
970	Influence of heating and cooling rates on the glass transition temperature and the fragility parameter of sorbitol and fructose as measured by DSC. 1996 , 47, 1419-1436	74
969	Structural collapse of plant materials during freeze-drying. 1996 , 47, 1451-1461	37

968	Diffusion of organic solvents in isobutylene-based polymers. 1996 , 13, 255-260	1
967	Latex film formation: atomic force microscopy and theoretical results. 1996 , 29, 139-146	15
966	Photon correlation spectroscopy of bulk poly(n-hexyl methacrylate) near the glass transition. 1996 , 34, 2291-2305	5
965	Unified dielectric description of the dynamics of polymeric systems undergoing either thermal or chemical vitrification. 1996 , 258, 470-476	27
964	Influence of poling methods on the orientational dynamics of 2-methyl-4-nitro-aniline in poly(methyl methacrylate) studied by second harmonic generation. 1996 , 32, 51-55	14
963	Controlled stress, oscillatory rheometry of mesophase-pitches. 1996 , 34, 265-271	18
962	Thermodynamic and viscous behaviour of undercooled liquids. 1996 , 280-281, 25-62	14
961	Water activity and viscosity relations with glass transition temperatures in model food systems. 1996 , 275, 131-137	16
960	The transition points in the liquid state and their molecular modeling. 1996 , 280-281, 417-447	7
959	Para-substituted polystyrenes: Stress relaxation, creep, dynamic mechanical and dielectric analyses. 1996 , 284, 85-102	17
958	Shear flow and the phase behaviour of polymer blends. 1996 , 121, 273-292	25
957	Chain flow in thermo-stimulated creep experiments: application to poly(methyl methacrylate). 1996 , 37, 2359-2365	6
956	Thermomechanics of isotactic polypropylene between 87 and +140°C: investigation of the relaxation behaviour based on literature data. 1996 , 37, 819-824	19
955	Study of dye diffusion in polymers using Rutherford backscattering. 1996 , 37, 2695-2700	11
954	Free volume study of poly(chlorotrifluoroethylene) using positron annihilation spectroscopy as a microanalytical tool. 1996 , 37, 3233-3239	23
953	Diffusion of small-molecule penetrants in polyethylene: free volume and morphology. 1996 , 37, 2887-2902	98
952	Gas plasticization effect of carbon dioxide for polymeric liquid. 1996 , 37, 3011-3017	6
951	On-line detection of organic pollutants in water by thickness shear mode resonators. 1996 , 35, 103-111	31

950	Primary and secondary relaxations in aliphatic alcohols: Complex dielectric permittivity spectra of 5-methyl 2-hexanol. 1996 , 69, 19-29	1
949	Dynamics of water molecules in polymers. 1996 , 69, 95-116	4
948	Rheology and thermodynamics in partially miscible polymer blends. 1996 , 67, 191-212	18
947	A glass formation study of aqueous tetraalkylammonium nitrate solutions. 1996 , 25, 279-287	3
946	Crystallization of polymers in variable external conditions. 1996 , 274, 705-716	54
945	A simple formula for the temperature dependence of the relaxation frequency in glassy systems. 1996 , 274, 20-26	5
944	Stochastic theory for the glassy state. 1996 , 274, 105-111	4
943	Creep of a glass-flake-reinforced epoxy adhesive for space applications. 1996 , 37, 5381-5386	6
942	Crystallization kinetics of polypropylene: 1. Effect of small additions of low-density polyethylene. 1996 , 37, 5681-5688	66
941	Build-up of structure and viscoelastic properties in epoxy and acrylate resins cured below their ultimate glass transition temperature. 1996 , 37, 5859-5868	34
940	The relationship between dynamic mechanical behavior, transverse curvature, and wear of magnetic tapes. 1996 , 202, 17-29	5
939	Generalized effects in confined fluids: new friction map for boundary lubrication. 1996 , 200, 328-335	147
938	The relaxation of concentrated polymer solutions. 1996 , 35, 168-185	27
937	Curing effects on viscosity of reactive epoxy resin adhesives. 1996 , 35, 321-328	5
936	Linear and non-linear conductive spectra of polyethylene oxide/salt complex. 1996 , 31, 2081-2089	29
935	Material characterization for flow modeling in structural reaction injection molding. 1996 , 17, 124-135	19
934	Estimation of diffusion and solubility coefficients for water and CO ₂ in reaction injection molded parts. 1996 , 17, 649-655	1
933	Polyethylene exposed to liquid propane: Sorption and permeation kinetics and mechanical properties. 1996 , 36, 271-282	19

932	Contribution of polyalkyl(meth)acrylates to the design of PVC melt viscosity. 1996 , 36, 1675-1684	3
931	Finite element analysis of 2-D thermoviscoelastic responses based on the free volume theory and a recursive formulation. 1996 , 36, 2634-2644	3
930	Rheological properties of phenolphthalein poly(ether ether ketone). 1996 , 36, 2809-2814	
929	Nonlinear stress-strain behavior of glassy polymers. 1996 , 36, 2939-2944	4
928	Double-Shear Geometry for the Deformation and Flow of Ceramics at Elevated Temperatures. 1996 , 79, 449-454	8
927	Viscous Sol and Gel Formation from Process Whey Protein Below 25°C. 1996 , 61, 500-503	13
926	Temperature dependence of positron-annihilation lifetime, free volume, conductivity, ionic mobility, and number of charge carriers in a polymer electrolyte polyethylene oxide complexed with NH ₄ ClO ₄ . 1996 , 54, 7143-7150	22
925	Local structure and mobility of ions in polymer electrolytes: A molecular dynamics simulation study of the amorphous PEOxNaI system. 1996 , 104, 3797-3809	71
924	Analysis of the experimental distribution of relaxation times around the liquid-glass transition of poly(vinylidene fluoride). 1996 , 79, 9258-9267	29
923	Poled polymers for sensors and photonic applications. 1996 , 80, 5531-5558	160
922	Study of the orientational relaxation dynamics in a nonlinear optical copolymer by means of a pole and probe technique. 1996 , 80, 1773-1778	39
921	Evidence of Acid-Base Interfacial Adducts in Various Polymer/Metal Systems by IRAS: Improvement of Adhesion. 1996 , 58, 263-279	24
920	Molecular Zip-fasteners. 1996 , 287, 115-127	4
919	Influence of Surface Properties on the Rebound of a Rigid Ball on a Rubber Surface. 1996 , 57, 5-19	15
918	Dynamic Responses of Plates With Viscoelastic Free Layer Damping Treatment. 1996 , 118, 362-367	19
917	Nonlinear Thermo-Viscoelastic Analysis of Interlaminar Stresses in Laminated Composites. 1996 , 63, 218-224	24
916	A Generalized Non-Newtonian Fluid Model Incorporated Into Elastohydrodynamic Lubrication. 1996 , 118, 74-82	21
915	Dielectric Spectrometry of Amorphous Thermoplastic/Glass Bead Composites. 1997 , 66, 3665-3667	5

914	Brillouin Scattering and Ultrasonic Study on an Epoxy Prepolymer. 1997 , 36, 2976-2980	6
913	All-solid-state Electrochromic Window of Electrodeposited WO_3 and Prussian Blue with Poly(ethylene oxide) Gel Electrolyte. 1997 , 36, 5747-5750	7
912	All-Solid-State Electrochromic Display Device of Prussian Blue and WO_3 Particulate Film. 1997 , 36, L684-L686	8
911	Maxwell - Wagner - Sillars relaxations in surface-modified glass-bead polystyrene-based composites. 1997 , 5, 137-153	10
910	Mechanical properties of azide polymer propellant at ignition stage. 1997 , 15, 47-57	2
909	Aggregate model of liquids. 1997 , 107, 8697-8705	56
908	Determination of complex shear modulus with thickness shear mode resonators. 1997 , 30, 346-356	150
907	Constitutive Equations Derived From Microstructures. 1997 , 155-270	
906	Characterization Methodology for Preformed Compression Seals. 1997 , 9, 139-145	1
905	Effects of Thermoplastic Block Copolymers on Rheology of Asphalt. 1997 , 9, 111-116	24
904	Deformation Mechanisms of Pure Bitumen. 1997 , 9, 117-129	57
903	The Thermal Entropy Concept and the T_g Transition. 1997 , 17,	4
902	Error analysis of quartz crystal resonator applications.	
901	MECHANICAL PROPERTIES OF SOLID POLYMERS. 1997 , 367-438	1
900	Advanced Dairy Chemistry Volume 3. 1997 ,	8
899	Cyclic creep and creep-fatigue interaction in sandwich beams. 1997 , 32, 1-18	30
898	Adh�ence des solides. Aspects m�caniques. 1997 , 94, 655-690	2
897	Thermal Analysis of Ethylene Propylene Copolymer-Grafted-Acrylic Acid. 1997 , 36, 905-915	3

896	THE EVALUATION OF HEAVY DUTY BINDERS IN BITUMINOUS ROAD MATERIALS.. 1997 , 123, 39-52	4
895	Temperature Correction of Backcalculated Moduli and Deflections Using Linear Viscoelasticity and Time-Temperature Superposition. 1997 , 1570, 108-117	5
894	Material properties. 1997 , 52-92	1
893	Ionic Conductivity of Solid Polymer Electrolytes Based on Modified Alternating Maleic Anhydride Copolymer with Oligo(oxyethylene) Side Chains. 1997 , 29, 410-416	9
892	Molecular Relaxations of a Branched Poly(oxyethylene) Network Polymer. 1997 , 29, 429-433	3
891	Crystallization Kinetics of Poly(butylene 2,6-naphthalate) and Its Copolyesters. 1997 , 29, 1-6	30
890	Thermal Behavior of Fluorinated Aromatic Polyethers and Poly(ether ketone)s. 1997 , 30, 2767-2774	63
889	A re-entrant Colloidal phase. 1997 , 23, 569-573	11
888	Novel Kinetic Model in Amorphous Polymers. Spiropyran/Merocyanine System Revisited. 1997 , 101, 7680-7686	42
887	NMR Investigations of Self-Diffusion and Shear Thinning for Semidilute Polymer Solutions near the Demixing Transition. 1997 , 30, 3309-3316	15
886	Crystallization Kinetics in Mixtures of Poly(ϵ -caprolactone) and Poly(styrene-co-acrylonitrile). 1997 , 30, 6223-6229	58
885	Structure and Temperature-Dependent Properties of Poly(4-methyl-1-pentene) Fibers. 1997 , 30, 3293-3301	9
884	Enthalpy Recovery of Poly(ether imide): Experiment and Model Calculations Incorporating Thermal Gradients. 1997 , 30, 4056-4063	59
883	Polymer Interdiffusion near an Attractive Solid Substrate. 1997 , 30, 7224-7231	103
882	Molecular Composites from Rigid-Rod Poly(p-phenylene)s with Oligo(oxyethylene) Side Chains as Novel Polymer Electrolytes. 1997 , 30, 2092-2101	159
881	Yield processes in glassy polymers. 1997 , 155-212	12
880	Miscibility and Crystallization of Poly(β -hydroxybutyrate) and Poly(p-vinylphenol) Blends. 1997 , 30, 2726-2733	180
879	Relaxation processes and physical aging. 1997 , 85-153	14

878	Dielectric and thermodynamic properties of biodegradable poly(D,L-lactide-co-glycolide) and the effect on the micro-encapsulation and release of captopril. 1997 , 14, 475-88	6
877	2D Exchange NMR Investigation of the Relaxation in Poly(ethyl methacrylate) as Compared to Poly(methyl methacrylate). 1997 , 30, 6597-6609	101
876	Kinetic Studies of Saffron (<i>Crocus sativus</i> L.) Quality Deterioration. 1997 , 45, 2890-2898	81
875	Moisture Migration and Ice Recrystallization in Frozen Foods. 1997 , 67-91	13
874	Materials Characterization. 1997 , 150-221	1
873	Simulation of radiation effects on three-dimensional computer optical memories. 1997 , 81, 58-69	15
872	Glass-Transition Cooperativity Onset in a Series of Random Copolymers Poly(n-butyl methacrylate-stat-styrene). 1997 , 30, 7214-7223	91
871	Protective Role of Trehalose on Thermal Stability of Lactase in Relation to its Glass and Crystal Forming Properties and Effect of Delaying Crystallization. 1997 , 30, 324-329	50
870	Influence of the Metal Cross-Linking on the Dielectric, Mechanical, and Thermal Properties of a Liquid Crystalline Polyazomethine. 1997 , 30, 773-779	11
869	Stability of the TBT 1997, 36, 187-196	1
868	Ion-conducting polymers based on modified alternating maleic anhydride copolymer with oligo(oxyethylene) side chains. 1997 , 87, 157-163	14
867	RHEOLOGICAL PROPERTIES OF POLYMER MELTS. 1997 , 457-498	8
866	Enzymatic Browning Inhibition in Cloudy Apple Juice by Electrodialysis. 1997 , 62, 75-78	34
865	Firmness and Cell Wall Characteristics of Pasteurized Jalapeño Pepper Rings as Affected by Preheating and Storage. 1997 , 62, 89-92	14
864	Thermal Stability of Invertase in Reduced-Moisture Amorphous Matrices in Relation to Glassy State and Trehalose Crystallization. 1997 , 62, 105-112	91
863	Structural properties of pectin-gelatin gels. Part II: effect of sucrose/glucose syrup. 1997 , 34, 309-321	36
862	Glass Transition and Thermal Stability of Lactase in Low-Moisture Amorphous Polymeric Matrices. 1997 , 13, 195-199	30
861	Glassy state and thermal inactivation of invertase and lactase in dried amorphous matrices. 1997 , 13, 857-63	45

860	Characteristics and significance of the amorphous state in pharmaceutical systems. 1997 , 86, 1-12	1409
859	Applicability of the WLF equation to polyurethane polyols and film properties of their resins. 1997 , 30, 25-30	10
858	Some optimum processing properties for anisotropic conductive adhesives for flip chip interconnection. 1997 , 8, 223-231	10
857	Remarks on Single and Multiparameter Free Volume Calculations in Physical Aging of Poly(vinyl acetate) in the T _g -Region. 1997 , 1, 161-180	3
856	Mathematical description of combustion of intumescent polymer systems. 1997 , 33, 669-684	6
855	Pockels-effect relaxation in poled side chain polymers: Decoupling of chromophore reorientation from β relaxation. 1997 , 275, 234-243	2
854	On the $[^{13}\text{C}]\text{T}_1$ behavior of some elastomers. 1997 , 38, 333-337	1
853	Dynamics of supercooled liquids and glasses: comparison of experiments with theoretical predictions. 1997 , 103, 501-519	106
852	Uniaxial, shear, and poisson relaxation and their conversion to bulk relaxation: Studies on poly(methyl methacrylate). 1997 , 18, 211-222	23
851	Uniaxial, shear, and poisson relaxation and their conversion to bulk relaxation: Studies on poly(methyl methacrylate). 1997 , 37, 1053-1064	63
850	Processing and cell morphology relationships for microcellular foamed PVC/wood-fiber composites. 1997 , 37, 1137-1147	166
849	Viscoelastic behavior of poly(cyanate epoxy). 1997 , 37, 1598-1605	6
848	BAMO/NMMO Copolymer with Polyester Initiation. 1997 , 22, 87-92	18
847	Polarization decay in the Fredrickson-Anderson model: a numerical simulation study. 1997 , 7, 13-17	2
846	The interpretation of transient extensional viscosity data. 1997 , 68, 241-257	16
845	Free-volume hole properties near the surface of polymers obtained from slow positron annihilation spectroscopy. 1997 , 116, 251-255	28
844	Heat capacity spectroscopy at the glass transition in polymers. 1997 , 304-305, 99-110	30
843	The effects of structural recovery and thermal lag in temperature-modulated DSC measurements. 1997 , 307, 1-10	34

842	A study of plasticization effects in poly(vinyl chloride). 1997 , 38, 1647-1657	28
841	Synthesis and characterization of fluorinated polyetherketones prepared from decafluorobenzophenone. 1997 , 38, 1989-1995	27
840	Dynamic mechanical relaxation behaviour of poly(ether ether ketone)/poly(etherimide) blends. 1997 , 38, 2363-2370	24
839	The permeability of a disazothiophene dye solute in polymer matrices above the glass transition. 1997 , 38, 2989-2995	8
838	The influence of pressure-induced structural changes on the ionic conductivity and dielectric relaxation in zwitterionic polymers. 1997 , 38, 4513-4521	4
837	Studies on comb-like polymer blend with poly(ethylene oxide)⊖thium perchlorate salt complex electrolyte. 1997 , 38, 3709-3712	19
836	Crystallization kinetics of polypropylene: II. Effect of the addition of short glass fibres. 1997 , 38, 5587-5593	75
835	Crystallization and melt behaviour of isotactic poly((4-⊖dimethyl-benzyl) phenyl methacrylate). 1997 , 38, 5603-5610	
834	The glass transition zone in high solids pectin and gellan preparations. 1997 , 38, 5685-5694	36
833	Why $C_1 = 1617$ in the WLF equation is physical⊖nd the fragility of polymers. 1997 , 38, 6261-6266	226
832	Viscosity prediction for perfluoropolyalkylether fluids. 1997 , 83, 9-13	2
831	The thermal degradation kinetics of polypropylene: Part II. Time-temperature superposition. 1997 , 57, 127-134	17
830	Effect of surface cavities on static and dynamic adhesion to an elastomer. 1997 , 17, 313-317	17
829	Some new experimental results on the Schallamach waves propagation by space-time analysis. 1997 , 17, 359-363	4
828	Dynamic mechanical behavior of fluorinated aromatic poly(ethers). 1997 , 35, 1963-1971	6
827	Adsorption isotherm of amorphous trehalose. 1997 , 75, 183-186	47
826	Crack-growth properties of various elastomers with potential application in small joint prostheses. 1997 , 37, 94-9	14
825	Rheological properties of coal tar pitches containing micronic graphite powders. 1997 , 35, 1023-1029	6

- 824 An integrated micromechanics and statistical continuum thermodynamics approach for studying the fracture behaviour of microcracked heterogeneous materials with delayed response. **1997**, 58, 459-556 43
- 823 Solute diffusion in relation to the glass transition temperature of solute-polymer blends. **1997**, 33, 1369-1376 5
- 822 Effect of sodium sulfonate groups on the ionic conductivity of a copolyester of thiodipropionic acid. **1997**, 33, 1679-1683 5
- 821 UV degradation of bivoltine silk fiber:a positron annihilation study. **1998**, 34, 1423-1427 14
- 820 The use of Arrhenius and WLF kinetics to rationalise the mechanical spectrum in high sugar gellan systems. **1998**, 309, 353-361 30
- 819 Experimental scrutiny for the constitutive equation of mesophase pitch. **1998**, 36, 1291-1298 4
- 818 The Role of Dilatation in the Nonlinearly Viscoelastic Behavior of PMMA under Multiaxial Stress States. **1998**, 2, 307-334 28
- 817 Crown Sensitivity of the Magnetic Recording Head Gimbal Assembly Bonded by a Viscoelastic Adhesive. **1998**, 2, 371-387 1
- 816 Reversible Melting of Semi-Crystalline Polymers 2. Annealing Near to the Melting Point. **1998**, 53, 493-508 10
- 815 Effect of high molecular mobility of poly(vinyl alcohol) on protein stability of lyophilized gamma-globulin formulations. **1998**, 87, 147-51 32
- 814 Mechanical and Structural Changes in Apple (Var. Granny Smith) Due to Vacuum Impregnation with Cryoprotectants. **1998**, 63, 499-503 76
- 813 Corn Syrup Solids and Their Saccharide Fractions Affect Crystallization of Amorphous Sucrose. **1998**, 63, 523-528 60
- 812 Coupling model interpretation of dielectric relaxation of poly(epoxypropylcarbazole). **1998**, 50, 93-95
- 811 Intensification of transfer fluxes and control of product properties in freeze-drying. **1998**, 37, 347-358 9
- 810 Sensitivity of Saturation Transfer Electron Spin Resonance Extended to Extremely Slow Mobility in Glassy Materials. **1998**, 131, 241-7 19
- 809 Tricolor photoviscoelastic technique and its application to moving contact. **1998**, 38, 211-217 13
- 808 Time and temperature effects on the mechanical properties of glass-filled amide-based thermoplastics. **1998**, 17, 237-245 17
- 807 Syntheses of aminated poly(vinyl chloride)s using methyl piperazine for the development of pH-selective membranes. **1998**, 39, 441-447 7

806	Investigation of physical ageing in polymethylmethacrylate using positron annihilation, dielectric relaxation and dynamic mechanical thermal analysis. 1998 , 39, 255-266	41
805	Miscibility and interactions in poly (vinyl methyl ether)/poly(4-hydroxystyrene) blends. 1998 , 39, 1583-1589	14
804	Positron annihilation study of free volume in cross-linked amorphous polyurethanes through the glass transition temperature. 1998 , 39, 3491-3498	23
803	Effect of vinyl content on the viscoelastic properties of polybutadienes and polyisoprenes □ monomeric friction coefficient. 1998 , 39, 3445-3449	24
802	Model for the permeability of functionalised solutes in polymers above the glass transition involving specific interactions. 1998 , 39, 3977-3980	6
801	Vitrification of Carrageenan in the presence of high levels of glucose syrup. 1998 , 39, 3909-3917	48
800	A comparison of the relaxation of amorphous poly(aryl-ether-ether-ketone) (PEEK) probed by dielectric and dynamic mechanical analysis. 1998 , 39, 3577-3581	4
799	Free volumes and their distribution in crosslinked polysiloxanes probed by positron annihilation lifetime technique. 1998 , 39, 4075-4079	29
798	Crystallization kinetics of polypropylene III. Ternary composites based on polypropylene/low density polyethylene blend matrices and short glass fibres. 1998 , 39, 6173-6178	30
797	Application of fractional calculus to viscoelastic behaviour modelling and to the physical ageing phenomenon in glassy amorphous polymers. 1998 , 39, 6269-6277	37
796	Dynamic modelling of melt spinning. 1998 , 8, 143-157	43
795	Error analysis of material parameter determination with quartz-crystal resonators. 1998 , 66, 184-192	20
794	Response of quartz-crystal resonators to gas and liquid analyte exposure. 1998 , 68, 388-398	49
793	A method for analysing proton NMR relaxation data from motionally heterogenous polymer systems. 1998 , 12, 15-20	26
792	Residual stresses, shrinkage, and warpage of complex injection molded products: Numerical simulation and experimental validation. 1998 , 38, 21-37	82
791	Dielectric properties of bisphenol-A novolac type epoxide oligomer as a parameter for cure monitoring. 1998 , 38, 1838-1844	4
790	Physical and relaxation properties of flame-sprayed ethylene-methacrylic acid copolymer. 1998 , 38, 1873-1881	10
789	An experimental test on the distribution of positronium lifetimes in polymers. 1998 , 237, 493-499	18

788	Modelling of Maillard reaction during the drying of a model matrix. 1998 , 35, 445-458	16
787	Effect of freeze-drying conditions on shrinkage and porosity of dehydrated agricultural products. 1998 , 35, 369-380	144
786	Computer simulation of ice recrystallization in ice cream during storage. 1998 , 38, 309-329	30
785	The cure optimisation of carbon/epoxy prepregs. 1998 , 58, 639-644	7
784	A new view on positronium in polymers. 1998 , 238, 379-384	14
783	Dynamic shear rheology of high molecular weight polydimethylsiloxanes: comparison of rheometry and ultrasound. Dedicated to the memory of Professor Gianni Astarita. 1998 , 76, 213-232	46
782	Prediction of vapor-liquid equilibrium in polymer solutions using a Peng-Robinson group contribution model. 1998 , 152, 209-217	14
781	Constitutive modeling of polymeric foam material subjected to dynamic crash loading. 1998 , 21, 369-386	208
780	Protein inactivation in amorphous sucrose and trehalose matrices: effects of phase separation and crystallization. 1998 , 1425, 235-44	111
779	Protein stability in the amorphous carbohydrate matrix: relevance to anhydrobiosis. 1998 , 1425, 245-54	55
778	Polyphenoloxidase and peroxidase activity in partially frozen systems with different physical properties. 1998 , 31, 363-370	28
777	Kinetics of domain growth far from equilibrium in glass materials. 1998 , 235-237, 164-168	
776	Relation between freezing-in due to linear cooling and the dynamic glass transition temperature by temperature-modulated DSC. 1998 , 235-237, 510-516	71
775	Relaxation processes in the composites of LC-cellulose derivatives. 1998 , 235-237, 658-663	8
774	On the character of the glass transition in columnar discotics. 1998 , 241, 113-120	38
773	Chapter 4. Dispersive Kinetics. 1998 , 94, 89	27
772	Mesomorphic donor-acceptor twin molecules with covalently linked sheet-like pentaalkyne and nitrofluorenone sub-units. 1998 , 24, 881-890	12
771	Analysis of Layered Viscoelastic System with Transient Temperatures. 1998 , 124, 223-231	13

770	Residual Stress Development in Adhesive Joints Subjected to Thermal Cycling. 1998 , 65, 277-306	51
769	Relaxation Processes in Nonlinear Optical Polymers: A Comparative Study. 1998 , 31, 1947-1957	20
768	Effect of Cross-Linking on the Free-Volume Properties of Diethylene Glycol Bis(allyl carbonate) Polymer Networks: A Positron Annihilation Lifetime Study. 1998 , 31, 4574-4580	83
767	Miscibility and Crystallization of Poly(β -hydroxybutyrate)/Poly(vinyl acetate-co-vinyl alcohol) Blends. 1998 , 31, 6898-6907	78
766	Gelation Behavior of Concentrated Locust Bean Gum Solutions. 1998 , 31, 1575-1583	63
765	Chielectric relaxation: chromophore dynamics in an azo-dye-doped polymer. 1998 , 15, 351	11
764	Mechanical Behaviour of Plastics. 1998 , 41-167	7
763	RUBBER NETWORKS CONTAINING UNATTACHED POLYMER MOLECULES. 1977 , 411-429	2
762	FAST ION CONDUCTING POLYMERS. 1989 , 111-136	30
761	Properties of Miscible Polymer Systems. 1979 , 277-319	2
760	Technological Aspects of Viscosity. 1986 , 233-273	11
759	Rheology of Polymeric Fluids. 1986 , 319-362	3
758	Basic Concepts of Polymer Mechanical Behavior. 1993 , 633-650	1
757	STRUCTURAL STABILITY OF INTERMEDIATE MOISTURE FOODS—NEW UNDERSTANDING?. 1988 , 115-147	5
756	CHEMICAL ISOMERIZATION AND CHAIN SEGMENT MOBILITY. 1973 , 357-372	2
755	FLUORESCENCE PROBES BASED ON ADIABATIC PHOTOCHEMICAL REACTIONS. 1991 , 61-81	11
754	SIMULATION OF THE RHEOLOGICAL PROPERTIES OF CEREAL PROTEINS. 1992 , 699-701	2
753	Environmental Effects on Organic Photochromic Systems. 2003 , 793-821	5

752	RECENT ADVANCES IN SOLID PROPELLANT BINDER CHEMISTRY**Cleared PRA/S1-DSR-3/15/65.. 1967 , 47-74	3
751	INTERRELATIONS BETWEEN COMBUSTION PHENOMENA AND MECHANICAL PROPERTIES IN SOLID PROPELLANT ROCKET MOTORS**The work described in this paper was supported by contracts with the Power Branch of ONR, the Propulsion Research Division of AFOSR, and the Propulsion Division of NASA Office of Advanced Research and Technology. The paper itself was	2
750	Water and the Glass Transition Dependence of the Glass Transition on Composition and Chemical Structure: Special Implications for Flour Functionality in Cookie Baking. 1994 , 143-188	10
749	Epoxy resin thermo-mechanics and failure modes: Effects of cure and cross-linker length. 2020 , 186, 107814	17
748	Multi-scale characterization of the effect of wax on intermolecular interactions in asphalt binder. 2017 , 157, 1163-1172	21
747	Physical and rheological properties of nano-TiO ₂ and nanocomposite modified bitumens. 2020 , 243, 118208	10
746	Multiple Shape Memory Effect for Smart Helical Springs with Variable Stiffness over Time and Temperature. 2020 , 182, 105742	12
745	Amorphous wall materials properties and degradation of carotenoids in spray dried formulations. 2018 , 223, 62-69	4
744	Time-dependent Mechanical Response at the Nanoscale. 2020 , 148, 103443	4
743	Multiamorphous Phases in Diketopyrrolopyrrole-Based Conjugated Polymers: From Bulk to Ultrathin Films. 2020 , 53, 4480-4489	10
742	CHAPTER 4:Solid Electrolytes for Lithium Metal and Future Lithium-ion Batteries. 2019 , 72-101	5
741	Calorimetric studies of chalcogenide glasses in the system Se-S. 2001 , 13, 161-165	2
740	Loss of affinity in gels and melts. 1985 , 46, 1967-1979	31
739	Concentration frequency dependence of short range chain fluctuations observed in concentrated polymer solutions from nuclear magnetic relaxation rates. 1976 , 37, 193-196	9
738	Thermocourants de dpolarisation et distribution de temps de relaxation dielectrique. 1980 , 15, 687-696	5
737	Understanding complex dynamics of interfacial reconstruction in polyampholyte hydrogels undergoing mechano-chemo-electrotaxis coupling. 2021 , 54, 085301	3
736	Quantitative model of super-Arrhenian behavior in glass forming materials. 2018 , 2,	10
735	Phase separation of stable colloidal clusters. 2018 , 2,	2

734	A MOLECULAR MODEL FOR RELAXATION IN THE GLASS. 1981 , 371, 21-37	19
733	A NEW FREE-VOLUME THEORY OF THE GvOLASS TRANSITION. 1981 , 371, 199-209	35
732	Viscosity characterization of confined bitumen considering microaggregate-bitumen interactions. 2020 , 35, 1261-1275	3
731	Influence of Inclusion Microgeometry on Some Thermomechanical Properties of Isotropic Polymer-Matrix Composites. 1997 , 119, 242-250	8
730	A Review of Damping Models for Structures With Mechanical Joints1. 2020 , 72,	19
729	On the Temperature Dependence of the Glass Transition Activation Energy. 2020 , 62, 588-596	4
728	Experimental and simulation studies on flexural strength of laminated glass using ring-on-ring and three-point bending test. 2018 , 232, 3930-3941	8
727	Adhesion of Solids. 2000 ,	2
726	Structural recovery and physical aging of polymeric glasses. 2016 , 23-54	2
725	Thermo-mechanical signatures of polymeric glasses. 2016 , 106-178	2
724	Mechanical and viscoelastic properties of polymer thin films and surfaces. 2016 , 205-242	2
723	Extrapolating the Viscoelastic Response of Rubber. 2008 ,	2
722	Some Outstanding Problems in the Mechanics of Rubbery Solids. 2008 ,	2
721	Mono- and Disaccharides. 2006 , 41-88	1
720	Acrylic Fibers. 2006 ,	2
719	Thermal Transitions in Polymers. 2000 ,	1
718	Rheology in Polymer/Clay Nanocomposites:. 2009 , 57-78	3
717	A Method for Determining the Representative Apparent Viscosity of Highly Viscous Pseudoplastic Liquids in a Stirred Vessel by Numerical Simulation. 2011 , 44, 868-875	8

716	Efficient treatment of rubber friction problems in industrial applications. 2006 , 22, 517-539	5
715	Biaxial creep property of ethylene tetrafluoroethylene (ETFE) foil. 2015 , 54, 973-986	9
714	New testing and calculation method for determination viscoelasticity of optical glass. 2020 , 28, 626-640	4
713	Dual dependence of cryobiological properties of Sf21 cell membrane on the temperature and the concentration of the cryoprotectant. 2013 , 8, e72836	7
712	Strain Rate and Temperature Effects on the Mechanical Properties of an E-Glass/Vinyl Ester Composite System. 2001 , 23, 189	1
711	Glass Transition of Asphalts Under Pressure. 1974 , 2, 50	5
710	Interpretation of Complex Modulus Test Results for Asphalt-Aggregate Mixes. 2008 , 36, 101577	3
709	Experimental Verification of a Finite Element Contact Analysis. 1988 , 16, 497	4
708	Estimation of Fatigue Life Using Resilient Moduli of Asphalt Mixtures. 2016 , 44, 20140373	4
707	Extracting More from Dynamic Modulus Data Using Split-Plot Repeated Measures Analysis. 2018 , 46, 20170052	1
706	Characterizing the Temperature Effects on Rutting and Fatigue Properties of Asphalt Binders Based on Time-Temperature Superposition Principle. 2019 , 47, 20170123	2
705	Molecular Motion in Carbohydrate + Water Mixtures in the Liquid and Glassy States as Studied by Spin-probe ESR. 1991 , 531-536	2
704	Measuring and modelling the glass transition temperature. 2004 , 218-232	2
703	Development of Heat-resistant XLPE Cable and Accessories. 2003 , 123, 1554-1561	1
702	EXPERIMENTAL STUDY OF THE INFLUENCE OF RUBBER PROPERTIES ON SLIDING FRICTION IN DRY CONTACT.	1
701	Rheology of Multi-Component Polymer Systems. 2004 , 32, 235-243	2
700	RELATIONSHIP BETWEEN ASPHALT VISCOELASTICITY OBTAINED FROM ROTATION VISCOMETER AND PROPERTY OF ASPHALT MIXTURE. 2017 , 73, I_131-I_138	1
699	Investigation of the Microscopic Viscoelastic Property for Cross-linked Polymer Network by Molecular Dynamics Simulation. 2011 , 39, 44-58	3

698	Multiscale Simulation to Determine Rubber Friction on Asphalt Surfaces. 2016 , 44, 226-247	8
697	Relaxation aspects of the liquid-glass transition. 2019 , 189, 113-133	1
696	Two-Way and Multiple-Way Shape Memory Polymers for Soft Robotics: An Overview. 2020 , 9, 10	43
695	Neat Linear Polysiloxane-Based Ionic Polymers: Insights into Structure-Based Property Modifications and Applications. 2021 , 1, 2-17	0
694	GLASS TRANSITION TEMPERATURE OF POLYSTYRENE DETERMINED BY DSC REVISITED. 2010 , 010, 1065-1069	1
693	Characterization for Viscoelasticity of Glass Fiber Reinforced Epoxy Composite and Application to Thermal Warpage Analysis in Printed Circuit Board. 2010 , 34, 245-253	2
692	Three-dimensional Modeling Of Intumescent Behavior In Fires. 1997 , 5, 523-534	10
691	Free Volume in Membranes: Viscosity or Tension?. 2015 , 5, 80-83	12
690	Sintered Calcined Clay as an Alternative Coarse Aggregate for Asphalt Pavement Construction. 2015 , 05, 281-288	1
689	Simulation and Injection Molding of Ring-Shaped Polymer Bonded Nickel Braze Metal Composite Preforms Based on Rheological and Thermal Analyses. 2013 , 03, 24-29	2
688	Paradigm change in hydrogel sensor manufacturing: from recipe-driven to specification-driven process optimization. 2016 , 5, 39-53	1
687	Atomistic simulation of volumetric properties of epoxy networks: effect of monomer length. 2021 , 17, 9957-9966	0
686	Structure and Properties of Polymer Glasses. 2021 , 19-33	
685	Low-Temperature Rheology and Thermoanalytical Investigation of Lubricating Oils: Comparison of Phase Transition, Viscosity, and Pour Point. 2021 , 9, 99	1
684	Perspectives On Molecular-Level Understanding of Thermophysics of Liquids and Future Research Directions. 2021 ,	4
683	Integrating helicoid channels for passive control of fiber alignment in direct-write 3D printing. 2021 , 48, 102419	2
682	Mechanical behavior of a typical polymer bonded explosive under compressive loads. 1-33	1
681	Glass-Forming Ability of Polyzwitterions.	0

- 680 Life Interval Prediction for Aging Solid-Propellant Rocket Motors with Uncertain Chemical Parameters. 1-11
- 679 Universal Polymeric-to-Colloidal Transition in Melts of Hairy Nanoparticles. **2021**, 15, 16697-16708 8
- 678 Scaling relations in rheology of concentrated starches and maltodextrins. **2022**, 124, 107306 0
- 677 On the effective surface energy in viscoelastic Hertzian contacts. **2022**, 158, 104669 4
- 676 Enhanced thermal stability and long-term mechanical durability at elevated temperatures of thermotropic liquid crystal polyester/glass fiber composites. 1-10 0
- 675 Supercritical CO₂-assisted dyeing and functionalization of polymeric materials: A review of recent advances (2015-2020). **2021**, 54, 101760 3
- 674 Viscoelastic Response Behaviour. **2000**, 273-361
- 673 Plots of the Spin-Lattice Relaxation Time and Nuclear Overhauser Enhancement NMR Values Yielding a Spread Distribution of the Rotational Correlation Time. **2000**, 65, 1537-1558 1
- 672 Viscoelastic Properties of PET Substrate and Coated Magnetic Media. **2000**, 164-296
- 671 Polymer Viscoelasticity. **2000**,
- 670 Rheology of Thermoplastic Foam Extrusion Process. **2000**, 0
- 669 Elastic Properties of Polymers. **2001**, 51-68
- 668 Evidence for mechanical properties ruling dielectric and electro-optical properties in various low T_g photorefractive doped polymers. **2001**,
- 667 Kinetics of Network Formation. **2002**,
- 666 Basic Physical Properties of Networks. **2002**,
- 665 Bibliography. **2002**,
- 664 Mechanical Properties. **2003**, 487-525
- 663 Synthetic Resins and Plastics. **2003**, 662-725

- 662 Mechanical Probe for Micro-/Nano-characterization. **2003**, 351-383 1
- 661 Relaxation Phenomena in Nonlinear Optical Polymers. **2003**, 667-692
- 660 Experimental Data (Frequency Domain). **2003**,
- 659 Thermo-viscoelastic Analysis of Thermal Residual Stress and Warp Deformation Influenced by Material Properties in Plastic Laminated Beams. **2003**, 15, 302-307 3
- 658 Theories and Mechanisms of Adhesion. **2003**, 1
- 657 Dynamic Modelling of the Diffusion in a Dyeing Process, Part I I: Temperature Influence. **2004**, 24,
- 656 Viscoelastic Properties of Macromolecules. **2004**, 195-211
- 655 Chemical Composition of PSAs. **2004**,
- 654 Wear Mapping and Wear Characterization Methodology. **2004**,
- 653 The Relationship between Morphology and Mechanical Properties in Thermoplastic Foams. **2004**,
- 652 Force transmission. **2005**,
- 651 Dielectric Permittivity and Loss.
- 650 Interaction of Water with Food Components. **2005**, 87-138
- 649 (16) ?????????? CAE : ??????????. **2006**, 18, 280-289 0
- 648 General Principles of Polymer Processing Modeling.
- 647 Inelastic Deformation and Fracture of Glassy Solids.
- 646 Plastics Properties and Testing. **2006**, 3-1-1-104
- 645 Chapter 11:The Dried Product. **2007**, 141-170

- 644 Polymers and Supercritical Fluids. **2007**, 319-338 1
- 643 Considerations in the Design of a Rubber Formulation. **2008**,
- 642 Prediction of Warp Deformation for Laminated Body Consisting of the Combination between Viscoelastic Materials by Thermo-Viscoelastic Analysis. **2008**, 57, 1061-1066 3
- 641 Theoretical and Experimental Study of Warp Deformation Behavior with Chemical Reaction and Thermal Load for Viscoelastic Laminated Body. **2008**, 57, 1153-1159 2
- 640 An Expedient Evaluation Method for Warp Deformation Behavior of Laminated Beam Consisting of Viscoelastic Materials in Cooling Process. **2008**, 57, 944-950 3
- 639 Rheology of Polymer Blends and Suspensions. **2008**, 20, 94-99
- 638 Rubber Friction and Abrasion in Relation to Tire Traction and Wear. **2008**,
- 637 Frequency Scans. **2008**, 145-173
- 636 Thermal Stress and Warp Deformation Behavior for LSI Devices by Thermo-viscoelastic Analysis. **2008**, 20, 264-269
- 635 Variation in Activation Energy and Nanoscale Characteristic Length at the Glass Transition. **2008**, 3, 31-43 1
- 634 Foam Extrusion Using Carbon Dioxide as a Blowing Agent. **2008**, 69-99
- 633 Dämpfung. **2009**, 139-220
- 632 Thermo-Viscoelastic Analysis of Warp for Laminated Body Consisting of Epoxy Resin and Steel with Thermal Deterioration by Thermal Load. **2009**, 58, 753-758 2
- 631 Kinetics and Structure Formation in Unloaded Quiescent Melts. **2010**, 69-105
- 630 A Theoretical Model of Collapse Recovery. **2010**, 101-119
- 629 Resistance of protective gloves materials to puncture by medical needles. **2010**, 7, 102923
- 628 Crystallization, Collapse, and Glass Transition in Low-Water Food Systems. 335-351 0
- 627 Physical States. **2010**, 1288-1292

626 Eigenschaften der Glasschmelze und des Glases als Werkstoff. **2011**, 16-75

625 Design of Gas Barrier Membrane / Vapor Permeation Membrane - Approach from Diffusivity Prediction Model in Polymer Matrices -. **2011**, 36, 71-78

624 Molecular Mobility and Interfacial Dynamics in Organic Nano-electromechanical Systems (NEMS). **2011**, 309-335

623 Investigation of the Effect of Organoclay Additives on Mechanical Properties of PF resin and MPB-OSL using Creep Behavior Analysis and IB Test. **2011**, 39, 381-389

622 Polymer/Layered Filler Nanocomposites: An Overview from Science to Technology. 2071-2134

2

621 Freezing. 131-152

620 Development of a Three-Dimensional Filling Analysis Program for Injection Molding Part1: Confirmation and Evaluation of Validity of a Numerical Analysis Model. **2012**, 24, 97-105

619 Development of a Three Dimension Filling Analysis Program for Injection Molding Part 2: Realization to Make Degree of Freedom Low by the Application of a Model Mixed with the Phase of Solid-liquid. **2012**, 24, 551-559

618 Mass Transport Phenomena in Food Packaging Design. 1284-1339

617 Role of Viscoelasticity in Predicting the Shape Memory Effect of Polymers. **2013**, 97-104

616 Large-Strain Time-Temperature Equivalence and Adiabatic Heating of Polyethylene. **2013**, 67-74

615 Experimental and Theoretical Study of Warpage Behavior for Viscoelastic Three Layer-Laminated Structure by Thermal Load. **2013**, 16, 59-65

0

614 Effect of Cooling Conditions to Residual Warpage of Laminated Structure Consisting of Epoxy Resin and Various Substrates. **2013**, 16, 221-226

1

613 Dispersions in High-Viscosity Mediums. 185-230

612 Strain Rate and Temperature Dependence in PVC. **2014**, 113-120

611 Reverse Engineering Concepts. **2013**, 179-202

610 Temperature Effects. **2014**, 149-163

609 Amorphe Polymere. **2014**, 123-144

608 Time-Temperature Shift of Mechanical Properties. **2014**, 189-222

607 Stress. **2014**, 77-103

606 Deformation. **2014**, 23-46

605 Molecular Dynamics of Poly(cis-1,4-Isoprene) in 1- and 2-Dimensional Confinement. **2014**, 95-126

1

604 Stiffness Reduction Process of CFRP under the Cyclic Bending Deformation. **2014**, 63, 641-646

603 Explicit Elasticity. **2014**, 109-159

602 Rheology of Thermoplastic Foam Extrusion Process. **2014**, 39-82

601 Structure and Mechanical Properties of Plastics. **1956**, 373-426

1

600 Selected Areas of Structural Research in Rocket Vehicles. **1961**, 146-166

599 Selected Areas of Structural Research in Rocket Vehicles. **1961**, 146-166

598 Verhalten in schwachen mechanischen Wechselfeldern. **1962**, 362-404

597 Zustände und Bergänge. **1962**, 160-312

596 Glaszustand und Einfriervorgang. **1962**, 160-188

595 Das physikalische Verhalten Polymerer und seine experimentelle Untersuchung. **1962**, 313-709

594 Fracture in Viscoelastic Media. **1967**, 23-32

593 Dämpfung. **1967**, 165-234

592 Solid Propellant Rockets. **1968**, 308-331

591 DEFORMATION AND STRENGTH OF POLYMERS. **1968**, 64-92

1

590 Solid Propellants. **1968**, 6, 69-185

589 THE GROWTH AND PRESENT STATE OF PHOTOELASTICITY. **1969**, 1-23

588 Selbstdiffusion kleiner Moleküle in polymerer Umgebung. **1971**, 49-58

587 Spannungsrelaxation bei mechanischen Beanspruchungen verschiedener Art und Größe. **1972**, 139-142

586 MOLECULAR MECHANICAL ASPECTS OF THE ISOTHERMAL RUPTURE OF ELASTOMERS. **1972**, 351-609

1

585 The effect of pressure on the shear viscosity of polymer melts. **1975**, 179-184

584 Transitions in Solid Polymers. **1975**, 555-592

583 Vérification par des méthodes statiques et dynamiques de la théorie de l'adhésion basée sur des phénomènes de rupture. **1975**, 741-743

582 The creep behavior of ideally atactic and commercial polymethylmethacrylate. **1975**, 875-884

581 Bibliography. **1976**, 18, 344-360

580 Literaturverzeichnis. **1976**, 57-61

579 A Model of the Liquid State. Three Phase Partition Functions. **1978**, 55-141

578 Viscous Flow in Binary Borate Melts. **1978**, 413-426

1

577 J. D. Ferry. **1978**, 63-68

576 Literaturverzeichnis. **1979**, 89-92

575 Effect of Stereoregularity on Bulk Properties of Polymers. **1979**, 449-457

574 Present Understanding of the Viscoelastic and Mechanical Properties of Stereoregular Polymers. **1979**, 431-447

573 TRANSPORT PROPERTIES OF PURE MOLTEN SALTS WITH ORGANIC IONS. **1980**, 125-178

- 572 A Computerized Torsional Pendulum for Measuring the Dynamic Mechanical Properties of Polymers. **1980**, 249-254
- 571 Literaturverzeichnis. **1980**, 117-127
- 570 The Structure and Mechanical Properties of Blends of Cis and Trans-Polyisoprene. **1980**, 71-86
- 569 Shear Viscosity. **1980**, 104-215
- 568 Literaturverzeichnis. **1981**, 119-127
- 567 STRUCTURE-PROPERTY RELATIONSHIPS IN COMPOSITE MATRIX RESINS. **1982**, 275-288
- 566 Quantitative Evaluation of the Gibbs-Dimarzio Theory of the Glass Transition for Polystyrene. **1984**, 143-154
- 565 Spontaneous Shear Delamination of Adhesive Joints. **1984**, 176-198
- 564 Metastable Liquids and the Nature of the Glass Transition. **1985**, 3-18
- 563 Radiothermoluminescence as a Method of Analysis of Transitions in Polymers. **1987**, 81-101
- 562 High Solids Coatings. **1987**, 69-101
- 561 Thermoluminescence in Polymers Induced by Radiation. **1987**, 20-54
- 560 Hard Rubber/Metal Adhesion Assessment Using a Heavy Cylinder Rolling Test. **1988**, 223-238 1
- 559 Viscous Flow Behaviour of the Metallic Glass Ni₃₀Zr₇₀ under Continuous Heating. **1988**, 487-491
- 558 Ausgewählte Kapitel der textilen Meßtechnik. **1988**, 1-53
- 557 Role of Molecular Dissipation in Elastomer Adhesion. **1989**, 48-61
- 556 Principles of the Processing of Plastics. **1989**, 150-175
- 555 Time-dependent autohesion. **1989**, 201-216

554 Use of parametric models in designing polymeric materials to specifications. **1989**, 79-92

553 Zeit-Temperaturverschiebung der mechanischen Eigenschaften. **1990**, 202-223

552 Contact between Solid Surfaces. **1990**, 157-230

1

551 Flow Properties of Adhesives. **1991**, 31-46

550 LUMINESCENCE SPECTROSCOPY AND POLYMER CHEMISTRY. **1991**, 239-256

549 Primena principa temperaturno-vremenske analogije u reološkoj karakterizaciji raketnih goriva. **1991**, 39, 537-552

3

548 THE ROLE OF MOLECULAR CLUSTERS IN GLASS TRANSITION PHENOMENON. **1992**, 817

547 Dielectric Properties of Polymers. **1992**, 97-102

546 CHEMORHEOLOGY AND CURING KINETICS OF TOUGHENED EPOXY MATRICES FOR HIGH PERFORMANCE COMPOSITES. **1992**, 868-870

545 ON THE SHEAR BEHAVIOUR OF AMORPHOUS POLYMERS IN THE GLASSY REGION AND IN THE GLASS-TRANSITION. **1992**, 805-807

544 EFFECT OF DISSOLVED CARBON DIOXIDE ON THE VISCOSITY OF LIQUID POLYDIMETHYLSILOXANE (PDMS). **1992**, 348-350

0

543 Synthetic Resins and Plastics. **1992**, 623-707

542 TEMPERATURE EFFECTS ON RHEOLOGICAL BEHAVIOUR OF SINGLE AND BINARY BIOPOLYMERIC SYSTEMS. **1992**, 757

541 Selected Thermodynamic Aspects of the Influence of Pressure on Polymer Systems. **1993**, 201-224

540 Molecular Modeling of the Influence of Pressure on Fluid and Glassy State Behaviour. **1993**, 225-246

539 LATEX ACRYLIC SEALANTS. **1993**, 205-231

538 Multiple-Quantum and Two-Dimensional NMR. **1994**, 237-254

537 Multidimensional Exchange NMR Above the Glass Transition. **1994**, 277-296

- 536 Cooperative conformational relaxation. **1994**, 163-165
- 535 Temperature Behaviour of the Viscoelastic Material Functions in Polymers. **1995**, 93-112
- 534 REFERENCES. **1995**, 253-256
- 533 Principles of the Processing of Plastics. **1995**, 154-179
- 532 Novel Electro-Optic Polyimide and Polyamide Side Chain and Main Chain Polymers. **1995**, 485-491
- 531 Thermoviscoelasticity. **1995**, 104-141
- 530 Deformation and Viscoelasticity of Polymers. **1995**, 393-409 1
- 529 Adhesives. **1995**, 633-671 0
- 528 Contact between Solid Surfaces. **1996**, 157-230
- 527 Dämpfung. **1996**, 183-261
- 526 Viscoelastic Characteristics of Typical Shoe Outsole Materials and Their Effects on Walkway Friction Models. **1996**, 41, 13993J
- 525 Transport Properties of Polymers. **1997**, 273-285
- 524 Multiple-Quantum and Two-Dimensional NMR. **1997**, 263-289
- 523 Freezing preservation of fresh foods. **1997**, 1
- 522 Water migration and food storage stability. **1997**, 1
- 521 Constitutive Relations for Thermoviscoelastic Media. **1998**, 262-336
- 520 Zb̈igkeits- und Relaxationsverhalten von PMMA, PS und PC. **1998**, 179-190 1
- 519 Experimental Verification of the WLF - Doolittle Equation for Supercooled Liquid Dynamics by Pals Method: Polyisobutylene. **1998**, 248-249

518 Introduction to Structure and Properties of Polymers, Metals, and Ceramics. **1999**, 87-120

517 Frequency Scans. **1999**,

516 Characterization of Carbon Black-filled Liner. **2014**, 18, 67-72

515 References. **2014**, 157-192

514 Damage Mechanics Unified Constitutive Modeling for Polymers. **2015**, 681-720

513 Prediction Method of Long Term Creep Behavior for ETFE Foil by Using Viscoelastic-Plastic Model. **2014**, 14, 93-100

512 Crystallization. **2014**, 131-180

511 Analysis of Mechanical Property Changes of Polymer Eyeglass Frames by Thermal Impact. **2014**, 19, 429-434 2

510 General Properties of Major Food Components. **2015**, 1-32

509 Understanding Physical Aging in Ultrathin Polymer Films via Molecular Simulations. **2015**, 89-108

508 Influence of Water Activity and Molecular Mobility on Peroxidase Activity in Solution. **2015**, 289-298

507 Development of Failure Master Curve for Asphalt Mastics Characterization. **2016**, 3-14 0

506 Dependency of the Critical Carbon Content of Electrical Conductivity for Carbon Powder-Filled Polymer Matrix Composites. **2015**, 25, 365-369

505 Fundamental Aspects of Textile Fibres. 1-63

504 Viscoelasticity of Glass-Forming Materials: What About Inorganic Sealing Glasses?. **2016**, 81-88

503 Physical state and molecular mobility. **2016**, 19-47

502 Rheology of Epoxy/Rubber Blends. **2016**, 1-25

501 Experimental and Numerical Analysis of Pressure Waves Propagation in a Viscoelastic Hopkinson Bar. **2016**, 259-267 1

- 500 Rheology of Epoxy/Thermoplastic Blends. **2016**, 1-37
- 499 NestandŃbs dangos konstrukcijos modeliavimas ~ pertinant tampriai klampias asfalto savybes. **2016**,
- 498 Chapter 2 Mono- and Disaccharides Selected Physicochemical and Functional Aspects. **2016**, 37-92
- 497 A comparison of constitutive descriptions of the thermo-mechanical behavior of polymeric glasses. **2016**, 451-536 0
- 496 ~~XXXXXXXXXX~~
~~XXXXXXXXXX~~
~~XXXXXXXXXX~~ **2017**, 37-48
- 495 Rheology of Epoxy/Thermoplastic Blends. **2017**, 613-648
- 494 FATIGUE FAILURE CHARACTERISTICS OF AN ASPHALT-STABILIZED BASE COURSE MIXTURE. **2017**, 73, I_139-I_145 5
- 493 AnŃlisis y modelizado reolŃgico de polŃmeros para su aplicaciŃn con tecnologŃas Ńuto-rizadoŃy su adaptaciŃn a las prŃcticas de IngenierŃa de Materiales PolimŃficos. **2017**, 10, 243
- 492 Thermo-kinetic Phenomena Occurring in Glasses: Their Formalism and Mutual Relationships. **2017**, 237-256
- 491 Accelerated Measurement of the Long-Term Creep Behaviour of Plastics. **2017**, 389-402 0
- 490 Tailoring Performance of Polymer Electrolytes Through Formulation Design. **2017**, 481-510
- 489 Mechanical performance of HMA-2 modified with purified and unpurified carbon nanotubes and nanofibers. **2017**, 37, 99-106
- 488 Recent progress on air-bearing slumping of segmented thin-shell mirrors for x-ray telescopes: experiments and numerical analysis. **2017**,
- 487 Basic Science of Rubber. **2018**, 19-53 1
- 486 Time-Temperature Analysis, DMA and Compression in PBXs. **2018**, 11-17
- 485 Viscoelastic Properties. **2018**, 1-22 1
- 484 Effects of Sweat and Heat on Plastic Frames of Eyeglasses. **2017**, 22, 291-298 1
- 483 Flow Induced Processes Causing Oriented Crystallization. **2018**, 111-199

482 Material Response: Constitutive Models and Their Implementation. **2018**, 363-436

481 Encyclopedia of Continuum Mechanics. **2018**, 1-14

480 Kinetics and Structure Formation in Unloaded Quiescent Melts. **2018**, 71-109

479 Numerical and Experimental Modal Analysis of Laminated Glass Beams. **2018**, 485-495

1

478 Encyclopedia of Continuum Mechanics. **2018**, 1-20

477 Rationally Derived Three-Parameter Models for Elastomeric Suspension Bushings: Theory and Experiment. **2019**, 47, 20170102

476 Analysis of the No-Flow Criterion Based on Accurate Crystallization Data for the Simulation of Injection Molding of Semi-Crystalline Thermoplastics. **2018**, 33, 397-410

475 The Mechanical Behavior of Viscoelastic Materials in the Frequency Domain. **2019**, 65-81

474 Characterization of Sensor and Actuator Materials. **2019**, 127-193

473 A Measuring System for Continuous Friction Monitoring on Wet Track Surfaces. **2018**, 46, 259-275

1

472 Rheologie [Viskosität der Fluide. **2019**, 83-182

471 Thermodynamics and Kinetics of Glass. **2019**, 51-77

1

470 Thermal Warp Simulation in Substrate with Properties Change of Curing Resin. **2019**, 8, 184-189

469 Robustness studies of oscillation-type density meters with viscoelastic fluids. **2019**,

468 Encyclopedia of Continuum Mechanics. **2019**, 1-20

467 The Glassy Amorphous State. **2019**, 161-199

466 Predicting Useful Life of Green Tires through Different Methodologies. **2019**, 47, 160-171

465 Viscoelastic Material Calibration Procedure for Rolling Resistance Calculation. **2019**, 47, 232-256

1

- 464 Towards a Better Assessment of Recycling Agents Effects on Bitumen During Hot Recycling. **2020**, 33-43
- 463 Rolling Resistance Calculation Procedure Using the Finite Element Method. **2020**, 48, 224-248 1
- 462 Preamble. **2019**, 1-20
- 461 High Viscous Flow Analysis in the 3D Printer by SPH. **2020**, 309-317 1
- 460 Water-Solid Interactions in Food Ingredients and Systems. **2020**, 123-159 1
- 459 Determination of Interphase Thickness in Silicone Nanocomposites from Dielectric Properties. **2020**, ,
- 458 Predicting material properties for embedded structures created with polymer material extrusion additive manufacturing. **2020**, 34, 101247 1
- 457 Application of Generalized Models for Identification of Viscoelastic Behavior. **2021**, 711-719 1
- 456 Microstructure characterisation and constitutive modelling of waterborne epoxy resin modified bitumen emulsion. 1-10
- 455 A Molecular Structure-Informed Viscoelastic Constitutive Model for Natural Rubber Materials.
- 454 Modeling the Enthalpy Relaxation Kinetics of Glassy Polystyrene Using Different Fictive Temperatures for Different Properties. 2100055
- 453 Temperature, Diffusion, and Stress Modeling in Filament Extrusion Additive Manufacturing of Polyetherimide: An Examination of the Influence of Processing Parameters and Importance of Modeling Assumptions. **2021**, 48, 102412 3
- 452 CRYSTALLIZATION BEHAVIOR OF GLASS-FORMING ASYMMETRIC AROMATIC HYDROCARBONS: 1:2 DIPHENYLBENZENE AND RELATED COMPOUNDS. **1973**, 399-408
- 451 Damping. **1973**, 169-239
- 450 Deformations and Molecular Motions in Polymers Above the Glass Transition Temperature. **1973**, 27-45
- 449 On Feasibility of Accelerated Creep Measurements in Some Polymeric Materials. **1983**, 369-376
- 448 Encyclopedia of Continuum Mechanics. **2020**, 733-746
- 447 Relation between density relaxation and density of the first coordination shell in a supercooled linear polymer melt. **2020**,

- 446 A novel route to improve the mechanical and rheological properties of HTPE/AP/Al propellant by adding a modified hyperbranched polyester. **2021**, 33, 665-674 1
- 445 Modeling of Shear Rheological Behavior of Uncured Rubber Melt. **2020**, 30, 130-137
- 444 Thermal Analysis of Polymers. **2021**, 1-60 1
- 443 Rheological properties. **2021**, 9, 263-283
- 442 Polyacrylamide hydrogels. IV. Near-perfect elasticity and rate-dependent toughness. **2022**, 158, 104675 1
- 441 Mechanical properties of tissue-mimicking composites formed by material jetting additive manufacturing. **2022**, 125, 104938 2
- 440 Direct enhancement of intercomponent interactions in polyrotaxane and its pronounced effects on glass state properties. **2021**, 57, 12472-12475 1
- 439 Molecular Glasses. **2020**, 161-176
- 438 Encyclopedia of Continuum Mechanics. **2020**, 747-766
- 437 Introduction to Polymer Rheology for Extrusion. **2020**, 57-136
- 436 Nucleation and Growth Rate of a Poly(Lactic Acid) in Quiescent Conditions. **2020**, 41-47
- 435 Predicting Tyre Behaviour on Different Road Surfaces. **2020**, 1899-1908 3
- 434 Investigations on the Influence of High Pressures on the Curing Behaviour and Material Properties of Composite Structures for the Development of a Material Model. **2020**, 313-323
- 433 The effect of temperature on the failure of a simple perspex structure. **2020**,
- 432 Mass transport of low molecular weight compounds in polymers. **2021**, 179-230 1
- 431 Application of MOFs and Their Derived Materials in Batteries. **2020**, 121-176
- 430 Water Activity and Glass Transition. **2020**, 27-43 0
- 429 C: Water Activity, Isotherm, and Glass Transition Equations. **2020**, 561-570

- 428 A Novel Nondestructive Procedure for Tire Tread Viscoelastic Characterization. **2021**, 1
- 427 Effect of strain rate on the mechanical properties of polycarbonate processed by compression and injection molding. 2
- 426 Glassy feature in melts of 3-dimensional architected polymer blends. **2021**, 124336 2
- 425 Rheological and thermal properties of purified raw natural rubber. **2021**, 24, 709 0
- 424 A novel methodology to model the creep behavior of polymers at different temperatures. 1
- 423 Investigation on the effect of high amount of Re-recycled RAP with Warm mix asphalt (WMA) technology. **2021**, 312, 125395 2
- 422 Assessing the Use of Blending Charts to Estimate the Allowable Reclaimed Asphalt Pavement (RAP) Binder Content for Mixes Containing RAP from Different Sources. **2021**, 49, 20200106 1
- 421 The mechanical properties of films. I. Evaluation of the mechanical properties of some surface coating polymers by the Williams, Landel and Ferry method. **1965**, 15, 208-215
- 420 The mechanical properties of films. III. Dilato-metric observations of multiple transitions. **1965**, 15, 223-229
- 419 Synthetic Resins and Plastics. **1992**, 623-707
- 418 List of References. **2006**, 173-176
- 417 Contact behaviour of a sliding rubber element. **2006**, 243-252 1
- 416 Force Measurements. **2007**, 52-104
- 415 Melt-State Viscoelastic Properties of Clay-Containing Polymer Nanocomposites. 75-118
- 414 Eigenschaften von Kunststoffen in Bauteilen. **2008**, 44-210
- 413 Predicting the Effect of Temperature on the Performance of Elastomer-Based Rail Damping Devices. **2008**, 299-305
- 412 A new approach to data superposition of double base propellant ultimate properties. **1976**,
- 411 An objective determination of the time-temperature shift relation for solid propellants. **1983**,

410	Revisiting the ASME Pressure-Viscosity Report Using the Tait-Doolittle Correlations. 2021 , 143,	0
409	Effect of Recycled Asphalt Pavement Binder on Rheology of Crumb Rubber Modified Binder An Experimental, Analytical, and Analogical Study. 2020 , 9, 20200077	
408	CONSTITUTIVE MODELS FOR DILUTE AND CONCENTRATED FOOD BIOPOLYMER SYSTEMS. 40-75	
407	Prediction of the relaxation modulus of a fluoroelastomer using molecular dynamics simulation. 2020 , 225, 115786-115786	2
406	Rheologische Eigenschaften. 2021 , 139-216	
405	Thermomechanical behavior of polymeric periodic structures. 2022 , 49, 102512	1
404	A laboratory study of hydraulic fracturing at the brittle-ductile transition. 2021 , 11, 22300	0
403	Compensating Data Shortages in Manufacturing with Monotonicity Knowledge. 2021 , 14, 345	2
402	Transient thermal stress analysis of temperature-dependent anisotropic viscoelastic solids. 1-19	
401	Self-Healing Materials. 2022 , 321-358	0
400	Modified Arrhenius Equation in Materials Science, Chemistry and Biology. 2021 , 26,	4
399	Towards the Development of a Strategy to Characterize and Model the Rheological Behavior of Filled, Uncured Rubber Compounds. 2021 , 13,	2
398	Mastering Superior Performance Origins of Ionic Polyurethane/Silica Hybrids.	3
397	Asphalt Rheological Properties Transformation from Frequency Domain to Temperature Domain Based on WLF Equation. 1	2
396	Retrieving Equivalent Shear Viscosity for Molten Polymers from 3-D Nonisothermal Capillary Flow Simulation. 2021 , 13,	1
395	Catalyst Control of Nanoscale Characteristic Length of the Glass Transition in Organic Strong Glass-Formers.. 2021 , 10, 1597-1601	0
394	Statistical Analysis of Submicron X-ray Tomography Data on Polymer Imbibition into Arrays of Cylindrical Nanopores.	0
393	Modeling Payne effect on basis of linearization of a visco-hyperelastic model.	

- 392 Diffusion Characteristics and Mechanism of Waste Cooking Oil Rejuvenator in Ultraviolet Aged Asphalt Using Multi-Scale Evaluation Method. **2022**, 50, 20210427
- 391 Identification of the Fractional Zener Model Parameters for a Viscoelastic Material over a Wide Range of Frequencies and Temperatures. **2021**, 14, 2
- 390 Evidence for 3-D network of P-centered pyramidal $P(\text{Se}^{1/2})_3$ and quasi-tetrahedral Se $P(\text{Se}^{1/2})_3$ local structures and their 3-membered ring super structure counterparts decoupled from quasi 1D-ethylene-like $P_2\text{Se}_{2+x}$ ($x = 2, 1, 0$) chains in $P_x\text{Se}_{100-x}$ glasses. **2021**, 895, 162645 0
- 389 Vibration-Induced Heating of Energetic Materials: A Review. 1
- 388 Modeling of thermal studies on melt quenched $\text{Ge}_{18}\text{Bi}_4\text{Se}_{78}$ chalcogenide. **2021**, 96, 125727 0
- 387 Heat treatment of milk: effect on concentrate viscosity, powder manufacture and end-product functionality. **2021**, 105289 0
- 386 Study on the Time-Aging Temperature Equivalence of Creep Behavior of Polyethylene. **2021**, 10, 267-274
- 385 Mechanical Properties Evaluation of Crumb Rubber Asphalt Mixture for Elastic Trackbed.
- 384 Fit and Evaluate the Viscous Models Used for ABS. 905, 231-237
- 383 Molecular dynamics simulations of key physical properties and microstructure of epoxy resin cured with different curing agents. **2022**, 57, 1123 3
- 382 Rheological and chemical evaluation of aging in 100% reclaimed asphalt mixtures containing rejuvenators. **2022**, 318, 126026 6
- 381 A Neural Network Approach for Roughness-Dependent Update of Tyre Friction. **2022**, 116, 102484 0
- 380 ?????+?????????. **2001**, 13, 71-75 1
- 379 Study on Process Induced out-of-plane deformation for Fan-Out Wafer Level Packaging. **2020**, 0
- 378 Cyclic ethylene phosphates with $(\text{CH}_2)_n\text{COOR}$ and $\text{CH}_2\text{CONMe}_2$ substituents: synthesis and mechanistic insights of diverse reactivity in aryloxy-Mg complex-catalyzed (co)polymerization. **2021**, 12, 6937-6951 0
- 377 Electroconductivity of Ionic Liquids. **2021**, 1-7
- 376 Experimental Analysis of Fast Crack Growth in Elastomers. **2021**, 1
- 375 Mechanical Properties of HTPB Propellant under Shear Loading at Low Temperature. **2022**, 47,

- 374 Internal flow optimization in a complex profile extrusion die using flow restrictors and flow separators. **2022**, 119, 4939
- 373 The Effect of High Protein Powder Structure on Hydration, Glass Transition, Water Sorption, and Thermomechanical Properties.. **2022**, 11,
- 372 Evaluation of the compatibility of waste plastics and bitumen using micromechanical modeling. **2022**, 317, 126107 0
- 371 Enhancement of molecular mobility in solid polymers by light: fundamentals and applications. **2022**, 128, 1 0
- 370 Drying rate of latex coating affected by the deformability of resin particles in convection drying.. **2022**, 45, 2
- 369 Energy Storage Flywheel Rotors Mechanical Design. **2022**, 2, 301-323 1
- 368 Advanced Characterisation of Soft Polymers under Cyclic Loading in Context of Engine Mounts.. **2022**, 14, 0
- 367 Nutzung rheologischer Kennwerte zur Beurteilung der Schmierfetteignung bei tiefen Temperaturen.
- 366 Viscoelastic behavior of polymers. **2022**, 165-192
- 365 Universal scaling law of glass rheology.. **2022**, 2
- 364 A Literature Review of Bitumen Aging: From Laboratory Procedures to Field Evaluation. **2022**, 50, 20210235 1
- 363 Correlation between fragility and free volume void size at glass transition temperature. **2022**, 12, 015207 1
- 362 Physically Cross-Linked Polybutadiene by Quadruple Hydrogen Bonding through Side-Chain Incorporation of Ureidopyrimidinone with Branched Alkyl Side Chains. **2022**, 55, 928-941 4
- 361 Investigation on Viscoelastic Poisson's Ratio of Composite Materials considering the Effects of Dewetting. **2022**, 2022, 1-23 0
- 360 End groups affected crystallization behavior of unentangled poly(ϵ -caprolactone)s. **2022**, 241, 124534 1
- 359 Constitutive theory for direct coupling of molecular frictions and the viscoelasticity of soft materials. 1-19 0
- 358 Aging characteristics of neat and modified asphalt binders based on rheological evaluations at intermediate temperatures. **2022**, 322, 126387 0
- 357 Effect of cup lump rubber as a sustainable bio-modifier on the properties of bitumen incorporating polyphosphoric acid. **2022**, 323, 126505 1

356	Characterization of rheological properties and aging performance of bitumen modified by bio-oil from bamboo charcoal production. 2022 , 338, 130678	1
355	Predicting the mechanical behaviour of highly particle-filled polymer composites using the nonlinear finite element method. 2022 , 286, 115275	1
354	Root cause analysis of solar cell cracks at shingle joints. 2022 , 238, 111590	0
353	Microscale investigation on interfacial slippage and detachment of ice from soft materials.. 2022 ,	1
352	Viscoelastic short cracks propagation. 2022 , 264, 108276	0
351	Characterization of creep deformation behavior of porous polymer membrane under Small-Punch test. 2022 , 135, 106149	2
350	An FE-DMN method for the multiscale analysis of thermomechanical composites. 1	4
349	Modified Burgers-Reimschuessel model for moisture-sensitive polymers.	1
348	Effect of critical properties of epoxy molding compound on warpage prediction: A critical review. 2022 , 130, 114480	0
347	Study on shape deviation and crack of ultra-thin glass molding process for curved surface. 2022 , 48, 6767-6779	0
346	Fractional Viscoelastic Modeling Enabling Accurate Atomic Force Microscope Contact Resonance Spectroscopy Characterization. 2022 , 33-37	0
345	Properties and processing of thermoset resin. 2022 , 173-292	0
344	Kinematics of the Plane Channel Filling with a Polymer Fluid Taking into Account the Curing Process. 2022 , 229-239	0
343	On Residual Stresses and Reference Temperatures in Thermomechanical Simulations of Photovoltaic Modules Using the Finite Element Method. 2022 , 1-7	0
342	Effect of stoichiometry on crosslinked epoxy resin characteristics: structural heterogeneities, topological defects, properties, free volume and segmental mobility.. 2022 ,	0
341	Review on the recent progress in the nanocomposite polymer electrolytes on the performance of lithium-ion batteries.	0
340	Evaluation on the Seal Performance of SMP-Based Packers in Oil Wells.. 2022 , 14,	0
339	Evaluation of Rutting and Fatigue Behavior of Modified Asphalt Binders with Nanocomposite Phase Change Materials.	0

338	Understanding softening of amorphous materials for FFF applications. 2022 , 37, 120-138	0
337	Controlling the Morphology in Epoxy/Thermoplastic Systems. 2022 , 4, 2091-2104	2
336	Boronic Acid Esters and Anhydrates as Dynamic Cross-Links in Vitrimers.. 2022 , 14,	2
335	ANSYS Simulation of the Thermomechanical Behavior of a Large-Sized Composite Mandrel with Consideration of Viscoelasticity. 2022 , 9, 117	
334	Vitrimer Chemistry and Applications. 1-38	
333	Some open challenges in polymer physics.	2
332	Tough Hydrogels Based on Sacrificial Bond Principle. 1-28	
331	Interactive Shear and Extensional Rheology 25 years of IRIS Software. 2022 , 61, 259	6
330	Numerical simulation of the mold filling process and its experimental validation. 1	1
329	An energetic approach to model the relationship between tire rolling friction and road surface macrotecture. 2022 , 10, 014001	
328	Determining Dynamic Properties of Elastomer-Dampers by Means of Impact Testing. 1	0
327	The evolution and generation of nanosurfaces and their microcontact mechanism in glass-embossing process.	0
326	Effects of convective schemes and geometric reconstruction scheme on interface of multiple melt flows. 2022 , 245, 124692	
325	Experiments and numerical analysis of cold-recycled asphalt mixture modified with desulfurization gypsum additive. 2022 , 326, 126803	0
324	Deep-red Emissive Squaraine-AIEgen in Elastomer Enabling High Contrast and Fast Thermoresponse for Anti-Counterfeiting and Temperature Sensing.. 2022 ,	1
323	Bottom-Up Multiscale Approach to Estimate Viscoelastic Properties of Entangled Polymer Melts with High Glass Transition Temperature.	1
322	Study on the mechanism of enlarged spherulite diameter for aliphatic polyester ionomers. 2022 , 246, 124759	
321	Thermo-piezo-rheological characterization of asphalt concrete. 2022 , 329, 127106	1

- 320 Modelling and mechanical design of a flexible tube-guided SMA actuator. **2022**, 216, 110571 0
- 319 A Computational Procedure for Atomistic Modelling of Polyphosphazenes towards Better Capturing Molecular-Level Structuring and Thermo-Mechanical Properties.. **2022**, 14, 0
- 318 Creep behaviour of rotomouldable grade materials: A comparative study. **2022**, 199, 109904
- 317 Non-Arrhenius behavior: Influence of the crystallinity on lifetime predictions of polymer materials used in the cable and wire industries. **2022**, 199, 109890 1
- 316 Moisture susceptibility of asphalt mixtures: 2S2P1D rheological model approach and new index based on dynamic modulus master curve changes. **2022**, 331, 127316 0
- 315 A fractional viscoelastic model for laminated glass sandwich plates under blast actions. **2022**, 222, 107204 1
- 314 Mechanical properties evaluation of crumb rubber asphalt mixture for elastic trackbed. **2022**, 331, 127048 2
- 313 Utilization of micro encapsulated phase change material in asphalt concrete for improving low-temperature properties and delaying black ice. **2022**, 330, 127262 1
- 312 Fully coupled thermo-viscoelastic (TVE) contact modeling of layered materials considering frictional and viscoelastic heating. **2022**, 170, 107506 2
- 311 Multiscale simulation and experimental analysis of damping in CFRP structures containing rubber. **2022**, 289, 115456 1
- 310 Simulation methodology development of warpage estimation for epoxy molding compound under considerations of stress relaxation characteristics and curing conditions applied in semiconductor packaging. **2022**, 145, 106637
- 309 Experimental investigations and quantum chemical calculations of methylene diphenyl diisocyanate (MDI)-based chemically modified bitumen and its crosslinking behaviours. **2022**, 321, 124084 0
- 308 Analytical modelling of complex stiffness modulus tests in direct tension-compression on asphalt concrete and nonlinearity effect due to strain amplitude. 1-31 1
- 307 Application Extended Vogel-Tammann-Fulcher Equation for soybean oil. **2021**, 37, 1287-1294
- 306 Achieving flame retardancy and mechanical integrity via phosphites in bio-based resins. **2022**, 60, 726-735 1
- 305 Evaluating the Rheological Properties of High-Modulus Asphalt Binders Modified with Rubber Polymer Composite Modifier.. **2021**, 14, 2
- 304 Numerical studies on the heat dissipation process in elastomers under rotating loading direction. **2021**, 24, 797-805
- 303 Investigations on the viscoelastic material behaviour and linearity limits of PVB. **2021**, 4, 207-223 0

- 302 Why Does Cronobacter sakazakii Survive for a Long Time in Dry Environments? Contribution of the Glass Transition of Dried Bacterial Cells.. **2021**, 9, e0138421 1
- 301 Influence of Pressure and Temperature on the Strength Properties of a Laminate Produced by the RTM Method. **2021**,
- 300 Asphalt mixture modification with a plastomeric compound containing recycled plastic: laboratory and field investigation. **2022**, 55, 1 1
- 299 Response of laminated glass elements subject to dynamic loadings using a monolithic model and a stress effective Young's modulus. 109963622210846
- 298 Characterization and modelling of bisphenol-a type epoxy polymer over a wide range of rates and temperatures. **2022**, 124860 0
- 297 Fractional viscoelastic modeling of laminated glass beams in the pre-crack state under explosive loads. **2022**, 111617 0
- 296 Structure-property relationships and constitutive viscoelastic behaviors of polyether- block -amide elastomers in melt and solid states.
- 295 Contribution of mineral filler to the fatigue damage behaviour of bituminous mastic. **2022**, 334, 127120 2
- 294 Amorphous polymers. 81-82
- 293 Data_Sheet_1.docx. **2019**,
- 292 Application of the Core Shell Model for Strengthening Polymer Filament Interfaces.
- 291 On the Use of Empirical Phase Angle Limits for the Grading of Asphalt Binder.
- 290 A Computer Simulation Study of Thermal and Mechanical Properties of Poly(Ionic Liquid)s. **2022**, 12, 450
- 289 A Novel Methodology for Non-Destructive Characterization of Polymers' Viscoelastic Properties. 0
- 288 Rheological behavior of poly(propylene) reinforced with graphene nanoplatelets for injection molding. 0
- 287 Predicting the replication fidelity of injection molded solid polymer microneedles. **2022**, 0
- 286 Local-Average Free Volume Correlates with Dynamics in Glass Formers.. **2022**, 13, 3957-3964 0
- 285 Time-temperature superposition principle for the shear fracture behaviour of soft adhesive layers: From bulk to interface. **2022**, 103180

- 284 The Interplay between the Theories of Mode Coupling and of Percolation Transition in Attractive Colloidal Systems. **2022**, 23, 5316 0
- 283 Theory and numerical method for the effects of hydrostatic pressure on sound absorption of underwater acoustic coatings with air cavities. **2022**, 116985 0
- 282 Influence of humidity on the rheology of thermoresponsive shape memory polymers. 1
- 281 Reclamation of waste oils in asphalt modification towards enhanced low-temperature performance of pavement in cold region. 1-16 1
- 280 Service lifetime prediction of nitrile butadiene rubber gaskets used in plate heat exchangers.
- 279 Design of Recyclable Thermosets. **2022**, 369-389 0
- 278 Mechanistic modelling of grid-reinforced milled-and-overlaid asphalt pavements. 1-16
- 277 Effective volume filling ratio of siliceous fillers within bituminous composites: experimental and micromechanical modelling. 1-25
- 276 Impacts of Field and Laboratory Long-Term Aging on Asphalt Binders. 036119812210836 1
- 275 A Review on Modeling Cure Kinetics and Mechanisms of Photopolymerization. **2022**, 14, 2074 4
- 274 One-pot synthesis of hydroxyl terminated hyperbranched semi-aromatic Poly(ester-imide)s. **2022**, 253, 124970 0
- 273 Dynamic Modulus and Phase Angle of Asphalt Concrete Mixtures Containing Municipal Solid Waste Incinerated Fly Ash as Mineral Filler Substitution.
- 272 Simplified cooperative viscoplasticity theory based on overstress model for nanocomposites.
- 271 Novel concentration master curve and rheological characterization of recycled asphalt binders.
- 270 Design and finite element simulation of shape memory polyurethane self-deforming structures. **2022**, 106446 1
- 269 Dual-Silane Premodified Silica Nanoparticles-Synthesis and Interplay between Chemical, Mechanical, and Curing Properties of SilicaRubber Nanocomposites: Application to Tire Tread Compounds. **2022**, 7, 17692-17702 0
- 268 Glass Transition and Relaxation Phenomena. **2022**, 227-262 0
- 267 Complex multilength-scale morphology in organic photovoltaics. **2022**, 1

- 266 Modeling the density relaxation of polystyrene. 0
- 265 Thermoanalytical Methods: Fundamental Principles and Features. **2022**, 1-39
- 264 Isogeometric FE-BE method with non-conforming coupling interface for solving elasto-thermoviscoelastic problems. **2022**, 141, 199-221
- 263 Multi-physics modeling of roller bearing raceway imperfections compared to electric measurements of an EHL point contact. **2022**, 173, 107668
- 262 Stress development of latex coatings in a convection drying with the accumulation and deformation of polymer particles. **2022**, 170, 106941
- 261 Functionalized two-dimensional g-C₃N₄ nanosheets in PIM-1 mixed matrix membranes for gas separation. **2022**, 296, 121354 0
- 260 Numerical implementation and validation of a viscoelastic-plastic material model for predicting curing induced residual stresses in adhesive bonded joints. **2022**, 118, 103195 1
- 259 Viscoelastic behavior of opto-mechanical properties and its application to viscoelastic fracture studies. **1986**, 32, 265-283 4
- 258 Composition-dependent glass transition temperature in mixtures: Evaluation of configurational entropy models. 0
- 257 Modelling Creep Responses of Plantain Fibre Reinforced HDPE (PFRHDPE) for Elevated Temperature Applications. **2022**,
- 256 Characterization and Modelling of Mounts for Electric Powertrains.
- 255 Mechanical Properties of Polymers. **2022**, 71-227
- 254 Network Size Control in Coordination Polymer Glasses and Its Impact on Viscosity and H⁺ Conductivity. 0
- 253 Reliability of Calculation of Dynamic Modulus for Asphalt Mixtures Using Different Master Curve Models and Shift Factor Equations. **2022**, 15, 4325 1
- 252 Structural analysis of solid rocket motor with effects of viscoelastic Poisson's ratio. **2022**, 2285, 012020
- 251 Material Properties of Plastics. **2022**, 23-72
- 250 Dynamic equilibria with glass transition heterogeneity and tailorable mechanics in amorphous shape memory polymers. **2022**, 31, 075022 1
- 249 Flexible PBAT-Based Composite Filaments for Tunable FDM 3D Printing. 1

248	Modeling nonequilibrium thermoviscoelastic material behaviors of glass in Nonisothermal Glass Molding.	0
247	In Situ Constructed Nanocrystal Structure and Its Contribution in Shape Memory Performance of Pure Polylactide. 2022 , 61, 8020-8030	1
246	The release kinetic of drug encapsulated poly(L-lactide-co-e-caprolactone) core-shell nanofibers fabricated by emulsion electrospinning. 1-15	
245	Fractional calculus & machine learning methods based rubber stress-strain relationship prediction. 1-11	0
244	Antioxidant activity and the survival-enhancing effect of ascorbic acid on Limosilactobacillus reuteri KUB-AC5 microencapsulated with lactose by spray drying. 2022 , 164, 113645	0
243	Simulation of micro-crack initiation and propagation under repeated load in asphalt concrete using zero-thickness cohesive elements. 2022 , 342, 127934	0
242	Effect of particle morphology on mechanical behaviour of highly particle-filled composites. 2022 , 227, 107446	0
241	Physics-based Nested-ANN Approach for Fan-Out Wafer-Level Package Reliability Prediction. 2022 ,	2
240	Effect of Underfill Property Evolution on Solder Joint Reliability in Automotive Applications. 2022 ,	
239	Spray Dried Levodopa-Doped Powder Potentially for Intranasal Delivery. 2022 , 14, 1384	
238	Extended timeTemperature rheology of polyvinyl butyral (PVB).	
237	Effects of Exposure Conditions on Antioxidant Depletion, Tensile Strength, and Creep Modulus of Corrugated HDPE Pipes Made With or Without Recycled Resins.	
236	Impact Assessment of Asphalt Concrete in Geogrid-Reinforced-Pile-Supported Embankment During High-Speed Train Traffic. 2022 , 17, 135-163	0
235	Deviatoric stress driven transient melting below the glass transition temperature in shocked polymers. 2022 , 132, 035901	0
234	Experimental determination of the dynamic elastic modulus of polymeric soft materials in an extended frequency range: A supported free loading-mass method. 2022 , 111587	
233	Dry Addition of Recycled Waste Polyethylene in Asphalt Mixtures: A Laboratory Study. 2022 , 15, 4739	1
232	Novel Trends in Proton Exchange Membrane Fuel Cells. 2022 , 15, 4949	3
231	Study on Tensile Mechanical Properties of GAP/CL-20/HMX Propellant.	

- 230 Genetic algorithm optimization for cohesive zone modeling of viscoelastic asphalt mixture fracture based on SCB test. **2022**, 271, 108663 0
- 229 Spatial distribution characterization of the Temperature-induced gradient viscoelasticity inside asphalt pavement. **2022**, 346, 128454 0
- 228 On the use of empirical phase angle limits for the grading of asphalt binder. **2022**, 346, 128413 0
- 227 Transient and steady state viscoelastic crack propagation in a double cantilever beam specimen. **2022**, 229, 107510 0
- 226 Elucidation of frictional properties between rubber and flooring using a laser microscope with wide field of view. **2022**, 174, 107775
- 225 Linear viskoelastisches Materialverhalten teilkristalliner Zwischenschichten. **2022**, 5, 280-293 0
- 224 Proposing a novel double sigmoidal model to fit the master curve for various polymer-modified asphalt. 1-14
- 223 The absolute heat capacity of polymer grafted nanoparticles using fast scanning calorimetry. 0
- 222 Rheological properties of asphalt binder modified with waste polyethylene: An interlaboratory research from the RILEM TC WMR. **2022**, 186, 106564 3
- 221 Temperature dependent perylene fluorescence as a probe of local polymer glass transition dynamics. **2022**, 18, 6094-6104 1
- 220 Stress Relaxation Properties of Five Orthodontic Aligner Materials: A 14-Day In-Vitro Study. **2022**, 9, 349
- 219 Critical Effects of Branch Numbers at the Cross-Link Point on the Relaxation Behaviors of Transesterification Vitrimers. **2022**, 55, 6661-6670 2
- 218 Understanding the role of cross-link density in the segmental dynamics and elastic properties of cross-linked thermosets. **2022**, 157, 064901 0
- 217 Origin of the broad endothermic peak observed at low temperatures for polystyrene and metals in Flash differential scanning calorimetry. 0
- 216 A method of automatically obtaining master surfaces of resin matrix composites by time-temperature superposition.
- 215 Squeeze lubrication between soft solids: A numerical study. **2022**, 107824 0
- 214 On the parameters identification of three-dimensional aging-temperature-dependent viscoelastic solids through a Bayesian approach. 0
- 213 Rheology and Structure of Lithium-Ion Battery Electrode Slurries. 1

212	Effect of Bitumen Production Process and Mix Heating Temperature on the Rheological Properties of Hot Recycled Mix Asphalt. 2022 , 14, 9677	0
211	Creep and Recovery Behavior of Vitrimers with Fast Bond Exchange Rate. 2200313	1
210	Assessing RAP Multi-Recycling Capacity by the Characterization of Recovered Bitumen Using DSR. 2022 , 14, 10171	0
209	Temperature Dependence of Structural Relaxation in Glass-Forming Liquids and Polymers. 2022 , 24, 1101	0
208	Modeling of the Influence of Operational Parameters on Tire Lateral Dynamics. 2022 , 22, 6380	
207	Investigation of temperature-dependent DC breakdown mechanism of EP/TiO ₂ nanocomposites. 2022 , 121, 052901	0
206	Determination of the linear viscoelastic material behaviour of interlayers with semi-crystalline structures shown by the example of a semi-crystalline ionomer. 2022 , 7, 157-171	
205	Piezoelectric shear rheometry: Further developments in experimental implementation and data extraction. 2022 , 66, 983-1003	0
204	Effect of liquid diffusion and segregation on GFRP insulation performance in typical hygrothermal environment. 2022 , 244, 110152	1
203	Investigation on brittle-ductile transition of PMMA mode-II fracture using time-temperature superposition principle. 2022 , 273, 108733	
202	Solid state of inhalable high dose powders. 2022 , 189, 114468	0
201	Dual thermodynamics approach to the temperature dependence of viscoplastic creep durability in graphene-based nanocomposites. 2022 , 157, 103400	
200	Large deformation of shape-memory polymer-based lattice metamaterials. 2022 , 232, 107593	1
199	Revealing phase-specific properties of elastomeric blends and their molecular structure at the nanoscale by AFM. 2022 , 257, 125229	0
198	The role of the excluded volume in the molecular dynamics for molecular systems revealed by the direct computational approach. 2022 , 366, 120321	1
197	Bonding, rheological, and physiochemical characteristics of reclaimed asphalt rejuvenated by crumb rubber modified binder. 2022 , 373, 133896	2
196	Instantaneous and long-term mechanical properties of Polyethylene Terephthalate Glycol (PETG) additively manufactured by pellet-based material extrusion. 2022 , 59, 103145	0
195	Friction behaviors of rice husk silica-reinforced elastomer composites in contact with rough self-affine surfaces. 2022 , 116, 107764	0

- 194 Cooperativity and fragility in furan-based polyesters with different glycolic subunits as compared to their terephthalic counterparts. **2022**, 597, 121907 ○
- 193 The effect of polyvinylpyrrolidone addition on microstructure, surface aspects, the glass transition temperature and structural strength of honey and coconut sugar powders. **2022**, 2, 338-345 ○
- 192 Free volumes in mixed-tacticity poly(3-hydroxybutyrate) determined by viscosimetry and their correlations with structural features and mechanical properties. **2022**, 32, 56-68 ○
- 191 Accurate predictions of thermoset resin glass transition temperatures from all-atom molecular dynamics simulation. ○
- 190 Optimising dynamic mechanical analysis experiments on soft rubbers for use in time temperature superposition. **2022**, 9, 101831 ○
- 189 Thorough Ultrasonic Rheology of Soft, Visco-Elastic Materials: Example of Crosslinked Polyurethane Elastomer. ○
- 188 Development of Polyimide Based Solvent Resistant Membranes for Removal of Organic Solvents by Complexation Nanofiltration. ○
- 187 An Overview of Polymer Based Electrolytes for Li-Ion Battery Applications. **2022**, 225-258 ○
- 186 Spectroscopic ellipsometry as a route to thermodynamic characterization. **2022**, 18, 6660-6673 ○
- 185 Modeling Effect of Underfill Property Evolution on the FCBGGA Reliability at Sustained Automotive Underhood Temperatures. **2022**, ○
- 184 Predicting mechanical properties of material extrusion additive manufacturing-fabricated structures with limited information. **2022**, 12, ○
- 183 AI-enabled Automatic Molding Compound Selection for A Power Device with High Solder Joint Reliability. **2022**, ○
- 182 Basic principle and good practices of rheology for polymers for teachers and beginners. **2022**, 1 ○
- 181 Analysis of the Polymer Two-Layer Protective Coating Impact on Panda-Type Optical Fiber under Bending. **2022**, 14, 3840 ○
- 180 Determination of Short Chain Branching in LLDPE by Rheology. 2200150 ○
- 179 Time Dependent Behavior. **2022**, 338-369 ○
- 178 Microscopic deformation and failure modes of high-functionality epoxy resins from bond breaking molecular dynamics simulations and experimental investigation. 1
- 177 Effect of water activity on the mechanical glass transition and dynamical transition of bacteria. **2022**, ○

176	Modeling the use of an electrical heating system to actively protect asphalt pavements against low-temperature cracking. 2022 , 103681	0
175	Three-dimensional numerical simulation on fiber orientation of short-glass-fiber-reinforced polypropylene composite thin-wall injection-molded parts simultaneously accounting for wall slip effect and pressure dependence of viscosity.	0
174	The effect of thermal setting, solvent type, and concentration on the tensile behavior of electrospun PLGA and polyamide nanofiber yarns simulated with the modified viscoelastic model.	0
173	Simulation of the Refractive Index Variation and Validation of the Form Deviation in Precisely Molded Chalcogenide Glass Lenses (IRG 26) Considering the Stress and Structure Relaxation. 2022 , 15, 6756	0
172	Experimental and numerical investigation on the effect of material models of tire tread composites in rolling tire noise via coupled acoustic-structural finite element analysis. 1-18	0
171	Effects of polyacrylonitrile fibres and high content of RAP on mechanical properties of asphalt mixtures in binder and base layers. 1-23	1
170	ARGET ATRP of Methyl Acrylate and Methyl Methacrylate with Diazocine-Derived Initiators.	1
169	Shear and cooling induced regulation of mechanical properties and glass transition temperature of isotactic polypropylene. 2022 ,	0
168	ThermodynamicDynamic Interrelations in Glass-Forming Polymer Fluids.	0
167	Molecular Dynamics and Viscoelastic Properties of the Biobased 1,4-Polymyrcene.	1
166	Structural Relaxation and Thermodynamics of Viscous Aqueous Systems: a simplified reappraisal.	0
165	Towards an accurate pressure estimation in injection molding simulation using surrogate modeling. 2022 , 15,	0
164	The Role of Fragility in Thermal Elasto-hydrodynamics.	0
163	Simplified mathematical modeling and parametric study on friction coefficient of rubber materials for vehicle's tire application.	0
162	Roles of repeating-unit interactions in the stress relaxation process of bulk amorphous polymers: 2. nonlinear viscoelasticity. 2022 , 260, 125367	1
161	Combined description of pressure-volume-temperature and dielectric relaxation of several polymeric and low-molecular-weight organic glass-formers using SL-TS2 approach.	1
160	Solid and Liquid States of Lactose. 2022 , 19-37	0
159	A Fully Implicit Log-Conformation Tensor Coupled Algorithm for the Solution of Incompressible Non-Isothermal Viscoelastic Flows. 2022 , 14, 4099	0

158	Application of the core shell model for strengthening polymer filament interfaces. 2022,	0
157	Dynamics of Poly(methyl methacrylate) in Ionic Liquids with Different Concentration and Cationic Structures.	2
156	Fractional Calculus Approach to Reproduce Material Viscoelastic Behavior, including the Time-Temperature Superposition Phenomenon. 2022, 14, 4412	2
155	On the Role of Roughness in the Indentation of Viscoelastic Solids. 2022, 70,	0
154	Experimental study and numerical simulation of cutting and tearing of silicone rubber using Extended Finite Element Method (XFEM).	0
153	Indenting viscoelastic thin layers: A numerical assessment. 2022, 104011	0
152	Single droplet investigation on the levitator to explain the drying kinetics and morphology formation of maltodextrin DE < 3 and DE 21. 1-21	0
151	Photo-induced Spatiotemporal Bending of Shape Memory Polymer Beams.	1
150	Adjoint-Based Sensitivity Analysis of Viscoelastic Fluids at a low Deborah number. 2022,	0
149	Linear and nonlinear viscoelastic parameters of asphalt binders modified with softening agents. 1-20	1
148	Exploiting the lower disorder-to-order temperature in polystyrene-b-poly(n-butyl acrylate)-b-polystyrene triblock copolymers to increase their flow resistance at high temperature. 2022, 66, 1305-1318	0
147	Utilization of calcium carbide slag as alternative filler in asphalt mastic: Filler characteristics, rheological and adhesion properties. 2022, 134980	0
146	The role of molecular architecture on the viscoelastic properties of thermoreversible polyurethane adhesives. 2022, 262, 125431	0
145	Space deployable parabolic reflector based on shape memory polymer composites. 2023, 304, 116327	0
144	Linear viscoelastic shear and bulk relaxation moduli in poly(tetramethylene oxide) (PTMO) using united-atom molecular dynamics. 2023, 216, 111824	0
143	Experimental and numerical investigation on multiscale hysteresis friction on artificial printed surfaces. 2023, 177, 107999	0
142	Mechanics constitutive models for viscoelastic solid materials: Development and a critical review. 2022,	0
141	Miscibility, Thermal degradation and Rheological analysis of epoxy/MABS blends.	0

- 140 Self-healable fiber-reinforced vitrimer composites: overview and future prospects. **2022**, 12, 32569-32582 ○
- 139 Non-conforming coupling RI-GABEM for solving multidimensional and multiscale thermoelastic-viscoelastic thermoelastic-viscoelastic problems. **2023**, 403, 115725 ○
- 138 In situ monitoring of epoxy resin curing process: Using glass transition as a bridge. **2023**, 117, 107871 ○
- 137 Review of interfacial adhesion between asphalt and aggregate based on molecular dynamics. **2023**, 362, 129642 ○
- 136 A practical procedure for vehicle sound package design using statistical energy analysis. 095440702211318 ○
- 135 An investigation of the effect of relative humidity on viscoelastic properties of flax fiber reinforced polymer by fractional-order viscoelastic model. **2022**, 101406 1
- 134 Flexural creep behavior of hierarchical bamboo structure using time-temperature-stress superposition principle. **2022**, 190, 115906 ○
- 133 Rheology and food microstructure. **2017**, 27-62 ○
- 132 Regression analysis for predicting the elasticity of liquid crystal elastomers. **2022**, 12, ○
- 131 Aspects in the Modelling of Heterogeneous Thermo-Oxidative Ageing Using the Example of a Rubber Buffer. **2022**, 29-43 ○
- 130 Optimize the design by evaluating the performance of asphalt mastic reinforced with different basalt fiber lengths and contents. **2023**, 363, 129698 ○
- 129 Time, temperature and water aging failure envelope of thermoset polymers. **2023**, 118, 107901 1
- 128 Influence of material factors on the determination of dynamic moduli and associated prediction models for different types of asphalt mixtures. **2023**, 365, 130134 1
- 127 Evaluation of Moisture Susceptibility of Asphalt Mixtures: Influence of Aggregates, Visual Analysis, and Mechanical Tests. **2023**, 35, ○
- 126 CdSe QDs modified cellulose microfibrils for enhanced humidity sensing properties. **2023**, 612, 155894 1
- 125 Microstructural evolution of bitumen during the glass transition: An application of digital oil. **2023**, 335, 127048 ○
- 124 Additively manufactured thermosetting elastomer composites: small changes in resin formulation lead to large changes in mechanical and viscoelastic properties. ○
- 123 Creep, Stress Relaxation, and Yielding Mechanisms. **2022**, 1-14 ○

122	Accelerated Life Testing and Aging. 2022 , 1-11	0
121	Investigation of the Effect of 3D Printing Parameters on the Bending Shape Recovery in 4D Printing Process. 2022 , 22, 567-577	0
120	Relaxation Dynamics and Ion Conduction of Poly(Ethylene Carbonate/Ethylene Oxide) Copolymer-Based Electrolytes. 2022 , 126, 20284-20292	0
119	Extending the Validation Range of Time-Temperature Superposition Models by Utilising the Heating Rate Dependence of the Glass Transition Temperature. 2023 , 9-15	0
118	Non-Isothermal Flow of a Non-Newtonian Fluid with the Free Surface in a Coaxial Channel. 2022 , 57, 750-757	0
117	Accounting for viscoelastic effects in a multiscale fatigue model for the degradation of the dynamic stiffness of short-fiber reinforced thermoplastics.	2
116	Reinforcement Effect of Different Fibers on Asphalt Mastic. 2022 , 15, 8304	1
115	Characterization of Rate-Dependent Failure Properties of Pressure-Sensitive Adhesives. 2023 , 53-61	0
114	Property investigation for high-Performance Polyimides fabricated via compression molding in solid-like state. 095400832211483	0
113	Dynamic Modulus for Porous Asphalt and Its Master Curve. 2023 , 51, 20210742	0
112	Viscoelastic Simulation of Stress and Warpage for Memory Chip 3D-Stacked Package. 2022 , 12, 1976	0
111	A dual-scale three-dimensional thermo-viscoelastic model for the hot stamping simulation of thermoplastic composites.	0
110	The time and temperature dependences of the stress recovery of Ecoflex polymer. 2022 , 104338	0
109	A Review on Modelling of Viscoelastic Contact Problems. 2022 , 10, 358	0
108	DMA of TPU Films and the Modelling of Their Viscoelastic Properties for Noise Reduction in Jet Engines. 2022 , 14, 5285	1
107	Contribution of Asphalt Rubber Mixtures to Sustainable Pavements by Reducing Pavement Thickness. 2022 , 15, 8592	0
106	Crack propagation velocity and fracture toughness of hydroxyl-terminated polybutadiene propellants with consideration of a thermo-viscoelastic constitutive model: Experimental and numerical study. 2022 , 103732	0
105	Recent Advancements in the Tribological Modelling of Rough Interfaces. 2022 , 10, 1205	0

- 104 Prediction of the Rejuvenator Diffusion Coefficient in Aged Asphalt Based on Free Volume Theory. ○
- 103 The change of glass transition temperature under general stress state in amorphous materials. **2023**, 58, 101951 ○
- 102 Energy Dissipation of Bituminous Mixtures with Crumb Rubber Added by Dry Process: Laboratory Tests and Numerical Simulation. **2023**, 51, 20220297 ○
- 101 Developments on Constitutive Material Model for Architectural Soda-Lime Silicate (SLS) Glass and Evaluation of Key Modelling Parameters. **2023**, 16, 397 ○
- 100 New scaling paradigm for dynamics in glass-forming systems. **2023**, 101074 2
- 99 Polyacrylate Backbone Promotes Photoinduced Reversible Solid-To-Liquid Transitions of Azobenzene-Containing Polymers. ○
- 98 Experimental and modeling studies of IPDI -based polyurea elastomers □The role of hard segment fraction. ○
- 97 Non-isothermal crystallization kinetics of ethylene-tetrafluoroethylene copolymer using integral Avrami equation. **2023**, ○
- 96 A thermodynamic framework for the additive manufacturing of crystallizing polymers. Part I: A theory that accounts for phase change, shrinkage, warpage and residual stress. **2023**, 183, 103789 ○
- 95 Friction of diene rubbers on rough floors considering viscoelastic properties in the high strain range. **2023**, 180, 108225 ○
- 94 Dilauryl thiodipropionate as a regeneration agent for reclaimed asphalts. **2023**, 365, 130049 ○
- 93 Comparative study of indirect tensile test and uniaxial compression test on asphalt mixtures: Dynamic modulus and stress-strain state. **2023**, 366, 130187 ○
- 92 Thermo-viscoelastic analysis of an inductive charging system included in an eRoads. Incit-ev project. **2023**, 11, 100161 ○
- 91 Rutting Behavior of Asphalt Surface Layers Designed for Solar Harvesting Systems. **2023**, 16, 277 ○
- 90 An investigation on multilayer shape memory polymers under finite bending through nonlinear thermo-visco-hyperelasticity. **2023**, 44, 73-88 1
- 89 Mechanical Feasibility of Asphalt Materials for Pavement Solar Collectors: Small-Scale Laboratory Characterization. **2023**, 13, 358 ○
- 88 Thermomechanical, Dynamic Mechanical and Dielectric Methods. **2016**, 164-213 ○
- 87 Electroconductivity of Ionic Liquids. **2022**, 358-364 ○

- 86 Autoclave and out-of-autoclave processing of prepregs. **2023**, 209-236 ○
- 85 Creep Behaviors of HTPE Propellants. ○
- 84 Dependence between handling, ride, and NVH. **2023**, 459-538 ○
- 83 Road effect on handling, ride, and NVH. **2023**, 539-588 ○
- 82 Structural Relaxation and Thermodynamics of Viscous Aqueous Systems: A Simplified Reappraisal. ○
- 81 Preparation and tribological behavior of high-temperature oil-containing porous polyimides. ○
- 80 Effect of Diphenyl Content on Viscoelasticity of Poly(dimethyl-co-diphenyl)siloxane Melt and Network. ○
- 79 Relaxation Processes in Nonlinear Optical Side-Chain Polyimide Polymers. **1995**, ○
- 78 Inelastic Response of Structural Aerospace Adhesives. **2023**, 255-290 ○
- 77 Dominant Factors Affecting Rheological Properties of Cellulose Derivatives Forming Thermotropic Cholesteric Liquid Crystals with Visible Reflection. **2023**, 24, 4269 ○
- 76 Searching for the ideal glass transition: Going to yotta seconds and beyond. **2023**, 606, 122186 ○
- 75 Dynamic behavior of precast epoxy asphalt track bed for transition zone in high-speed railway: A numerical approach. **2023**, 40, 100960 ○
- 74 Optimization of Carbon Fiber Length and Content for Asphalt Mastics Based on Rheological Measurements. **2023**, 35, ○
- 73 Monitoring and viscosity identification via temperature measurement on a polymer injection molding line. **2023**, 206, 123954 ○
- 72 Mechanistic insights into the effect of drug content on adhesive properties of transdermal patch containing lidocaine. **2023**, 184, 106419 ○
- 71 An MD-based physical characteristics analysis on the PI/EP duo-layer composites, impacting of diamino groups. **2023**, 35, 105482 ○
- 70 Investigation of physio-mechanical properties of cross-linked Bis-GMA/TEGDMA dental resins: A molecular dynamics study. **2023**, 35, 105926 ○
- 69 Numerical investigation of radial passenger car tire standing waves. **2023**, 220, 103945 ○

- 68 Ordered and amorphous phases of polyacrylonitrile: Effect of tensile deformation of structure on relaxation and glass transition. **2023**, 125969 ○
- 67 Viscoelastic damping design DA novel approach for shape optimization of Constrained Layer Damping treatments at different ambient temperatures. **2023**, 555, 117703 ○
- 66 Electric arc furnace slag as aggregates in semi-dense asphalt. **2023**, 18, e02049 ○
- 65 Unified Micromechanics of Finite Deformations. **2022**, 375-426 ○
- 64 References. **2022**, 435-477 ○
- 63 Stimuli-responsive Surfaces and Interfaces. **2016**, 94-131 ○
- 62 Thermo-Viscoelastic Analysis of an Inductive Charging System Included in an Eroads. Incit-Ev Project. ○
- 61 Linear Viscoelastic Limit Determination and Modeling for Binders with Physical Hardening Effects. **2023**, 51, 20220296 ○
- 60 A time-temperature-ageing shift model for bitumen and asphalt mixtures based on free volume theory. **2023**, 24, ○
- 59 A Modified Constitutive Model for Shape Memory Polymers Based on Nonlinear Thermo-Visco-Hyperelasticity with Application to Multi-Physics Problems. **2023**, 15, ○
- 58 Experimental investigation of tyre-road friction considering topographical roughness variation and flash temperature. **2023**, 181, 108294 ○
- 57 The Role of Fragility in Thermal Elastohydrodynamics. **2023**, 71, 1
- 56 Characteristics of segmental dynamics in EP/TiO₂ nanocomposites and its effect on dielectric breakdown. **2023**, 270, 125758 ○
- 55 Dynamic mechanical analysis of PA 6 under hydrothermal influences and viscoelastic material modeling. 089270572311558 ○
- 54 Extensional rheology of linear and branched polymer melts in fast converging flows. **2023**, 62, 183-204 ○
- 53 Three-dimensional FEM/DEM coupling simulation for analysis of asphalt mixture responses under rolling tire loads. **2023**, 369, 130615 ○
- 52 Experimentally characterising the temperature and rate dependent behaviour of unfilled, and glass microsphere filled, natural rubber. **2023**, 270, 125773 ○
- 51 Revealing Structural and Physical Properties of Polylactide: What Simulation Can Do beyond the Experimental Methods. 1-39 ○

- 50 Time-Temperature Superposition Principle in Shearing Tests Compared to Tension Conditions for Polymers Close to Glass Transition. **2023**, 24, 3944 ○
- 49 A new tire-sensor-pavement coupling chain for investigating asphalt mixture responses under rolling tire loads. 1-18 ○
- 48 Interplay of regio-selectively modified dendritic silica particles with styrene-butadiene rubber: The route towards better tires with lower rolling-resistance and higher grip. **2023**, 461, 141964 ○
- 47 Crack propagation in viscoelastic finite-sized solids: theory and experiments. **2023**, 1275, 012043 ○
- 46 The Temperature Interval of the Liquid-Glass Transition of Amorphous Polymers and Low Molecular Weight Amorphous Substances. **2023**, 13, 2742 ○
- 45 Preparation and Properties of High-Viscosity Asphalt Using WTR, Terpene Resin, and APAO. **2023**, 51, 20220601 ○
- 44 Infrared Spectral Classification of Natural Bitumens for Their Rheological and Thermophysical Characterization. **2023**, 28, 2065 1
- 43 Thermo-Viscoelastic Characterization of 3D Printing Polymers. **2023**, 13, 2876 ○
- 42 How to predict residual stresses of curing adhesives ab initio solely using extended rheometry. 1-37 ○
- 41 MECHANISMS OF PLASTICIZERS ACTION. **2023**, 139-158 ○
- 40 Release Enhancement by Plasticizer Inclusion for Amorphous Solid Dispersions Containing High Tg Drugs. **2023**, 40, 777-790 ○
- 39 Polymers and rheology: A tale of give and take. **2023**, 271, 125811 ○
- 38 On the bridge hypothesis in the glass transition of freestanding polymer films. **2023**, 46, ○
- 37 Linear and nonlinear thermomechanical behaviour of interface between bituminous mixtures layers: results from 2T3C apparatus and modelling. 1-17 ○
- 36 Adhesive and Cohesive Cracking Analysis of Asphalt Mastics in Contact with Steel Substrates Using an Energy-Based Crack Initiation Criterion. **2023**, 15, 4415 ○
- 35 Quantitative Characterization of Cracks and Contact Stresses Using Photoviscoelasticity. **2023**, 215-247 ○
- 34 Characterizing the Aging and Performance of Asphalt Binder Blends Containing Recycled Materials. **2023**, 12, 20220105 ○
- 33 Farklı Penetrasyon Sınıfına Ait Bitümlü Bağımlı Reolojik Özelliklerinin Karşılaştırılması -**2023**, 6, 682-699 ○

- 32 Viscoelasticity of Plastics. **2022**, 262-271 ○
- 31 Advances in the Rheology of Synthetic Binder for Sustainable Road Pavements: An Improved Protocol for DSR Testing. **2023**, 15, 5146 ○
- 30 Accelerated Life Testing and Aging. **2022**, 1-11 ○
- 29 Strain-rate-dependent cohesive zone modelling of charge damage behavior when a projectile penetrates multilayered targets. ○
- 28 Constraint Release Rouse Mechanisms in Bidisperse Linear Polymers: Investigation of the Release Time of a Short-Long Entanglement. **2023**, 15, 1569 ○
- 27 A Thermodynamic Perspective on Polymer Glass Formation. ○
- 26 Injection molding of semi-crystalline polymers in a space-time framework. **2023**, 22, ○
- 25 Linear and nonlinear thermoviscoelastic behavior of polyamide 6. **2023**, 22, ○
- 24 Factors influencing the dynamic stiffness in short-fiber reinforced polymers. **2023**, 22, ○
- 23 Multiscale Study of the Effect of Fiber Twist Angle and Interface on the Viscoelasticity of 2D Woven Composites. **2023**, 16, 2689 ○
- 22 Using phycocyanin as a marker to investigate drying history and structure formation in spray drying. 1-14 ○
- 21 Studies of Dielectric Characteristics of Polymer Films in a High-Frequency Electromagnetic Field. 1082, 146-155 ○
- 20 Mathematical Modeling in Studying the Electrophysical Properties of Syndiotactic 1,2-Polybutadiene. 1082, 108-113 ○
- 19 Viscosity Factor (VF) Complementary to the Statistical Indicators Associated with the Rheological Behavior of Aqueous Solutions of Polyvinyl Alcohol. **2023**, 15, 1743 ○
- 18 Drying Technologies for Vaccines. **2023**, 81-205 ○
- 17 Detachment of a Rigid Flat Punch from a Viscoelastic Material. **2023**, 71, ○
- 16 Energetic and Structural Characterizations of the PET/Water Interface as a Key Step in Understanding Its Depolymerization. **2023**, 127, 3543-3555 ○
- 15 Rheological and Mechanical Study of Comb-Branched Polyolefin Elastomers Containing Macromer Residues. ○

- 14 Modified Free Volume Theory for Self-Diffusion of Small Molecules in Amorphous Polymers. ○
- 13 Viscoelastic Behavior of Supercooled and Glassy ASDs at Humid Conditions Can Be Predicted. ○
- 12 Thermomechanical behavior of three dimensionally printed fabric structures. ○
- 11 Recent Progression and Opportunities of Polysaccharide Assisted Bio-Electrolyte Membranes for Rechargeable Charge Storage and Conversion Devices. **2023**, 4, 212-238 ○
- 10 Mechanistic Analysis of Bottom-Up Crack in Asphalt Pavement Using Cohesive Zone Model. **2023**, 103904 ○
- 9 Modification of Prony Series Coefficients to Account for Thermo-Oxidative Ageing Effects within Numerical Simulations. **2023**, ○
- 8 Application of AI-enabled Simulation in Power Package Development. **2023**, ○
- 7 Traversing with quantitative fidelity through the glass transition of amorphous polymers: Modeling the thermodynamic dilatational flow of polycarbonate. **2023**, 67, 749-774 ○
- 6 Dynamic behaviour of asphalt concrete substructure ballastless track system in long-span railway bridge. 1-15 ○
- 5 Experimental characterization and numerical modeling of a viscoelastic expandable epoxy foam: TimeTemperature transformation and timeTemperature equivalence diagrams. ○
- 4 Strain induced crystallization of PET under biaxial conditions. From laboratory tests to injection stretch-blow molding. **2023**, 125953 ○
- 3 Dose Methodology and Rejuvenating Effect of a Plant-Based Biobinder in Aged Asphalt Binders. 036119812311640 ○
- 2 Laboratory and numerical investigation on the behavior of reclaimed asphalt pavement (RAP) as railway track subballast layer. **2023**, 384, 131442 ○
- 1 2-D FEM thermomechanical coupling in the analysis of a flexible eRoad subjected to thermal and traffic loading. 1-18 ○