Angel Alegria

List of Publications by Year
in descending order

300 papers	10,565 citations	28274 55 h-index	49909 87 g-index
311 all docs	311 docs citations	311 times ranked	6331 citing authors

#	Article	IF	Citations
1	Relationship between the time-domain Kohlrausch-Williams-Watts and frequency-domain Havriliak-Negami relaxation functions. Physical Review B, 1991, 44, 7306-7312.	3.2	632
2	Scaling out the density dependence of the Î± relaxation in glass-forming polymers. Europhysics Letters, 2004, 68, 58-64.	2.0	206
3	Physical aging in polymers and polymer nanocomposites: recent results and open questions. Soft Matter, 2013, 9, 8619.	2.7	206
4	Interconnection between frequency-domain Havriliak-Negami and time-domain Kohlrausch-Williams-Watts relaxation functions. Physical Review B, 1993, 47, 125-130.	3.2	203
5	Dynamics of Water Intercalated in Graphite Oxide. Journal of Physical Chemistry C, 2010, 114, 2604-2612.	3.1	202
6	Crossover from Debye to non-Debye dynamical behavior of the Î± relaxation observed by quasielastic neutron scattering in a glass-forming polymer. Physical Review Letters, 1993, 71, 2603-2606.	7.8	194
7	Observation of the Component Dynamics in a Miscible Polymer Blend by Dielectric and Mechanical Spectroscopies. Macromolecules, 1994, 27, 4486-4492.	4.8	186
8	Network dynamics in nanofilled polymers. Nature Communications, 2016, 7, 11368.	12.8	180
9	The merging of the dielectric Î±- and Î²-relaxations in poly-(methyl methacrylate). Journal of Chemical Physics, 1998, 109, 7546-7555.	3.0	176
10	Tg depression and invariant segmental dynamics in polystyrene thin films. Soft Matter, 2012, 8, 5119.	2.7	173
11	Correlation between non-Debye behavior andQbehavior of the Î± relaxation in glass-forming polymeric systems. Physical Review Letters, 1992, 69, 478-481.	7.8	169
12	Direct Evidence of Two Equilibration Mechanisms in Glassy Polymers. Physical Review Letters, 2013, 111, 095701.	7.8	166
13	Effect of Blending on the PVME Dynamics. A Dielectric, NMR, and QENS Investigation. Macromolecules, 1999, 32, 4065-4078.	4.8	134
14	Universal features of water dynamics in solutions of hydrophilic polymers, biopolymers, and small glass-forming materials. Physical Review E, 2008, 77, 031803.	2.1	127
15	Effect of nanostructure on the thermal glass transition and physical aging in polymer materials. Progress in Polymer Science, 2016, 54-55, 128-147.	24.7	123
16	.alpha.-Relaxation in the Glass Transition Range of Amorphous Polymers. 1. Temperature Behavior across the Glass transition. Macromolecules, 1995, 28, 1516-1527.	4.8	120
17	Dynamics of the Î± relaxation of a glass-forming polymeric system: Dielectric, mechanical, nuclear-magnetic-resonance, and neutron-scattering studies. Physical Review B, 1991, 44, 7321-7329.	3.2	104
18	Segmental Dynamics in Poly(vinylethylene)/Polyisoprene Miscible Blends Revisited. A Neutron Scattering and Broad-Band Dielectric Spectroscopy Investigation. Macromolecules, 1999, 32, 7572-7581.	4.8	104

#	Article	IF	Citations
19	Permanent adsorption of organic solvents in graphite oxide and its effect on the thermal exfoliation. Carbon, 2010, 48, 1079-1087.	10.3	103
20	Dielectric Investigation of the Low-Temperature Water Dynamics in the Poly(vinyl methyl ether)/H2O System. Macromolecules, 2005, 38, 7056-7063.	4.8	100
21	Sorption and desorption behavior of water and organic solvents from graphite oxide. Carbon, 2010, 48, 3277-3286.	10.3	97
22	Enthalpy Recovery of Glassy Polymers: Dramatic Deviations from the Extrapolated Liquidlike Behavior. Macromolecules, 2011, 44, 8333-8342.	4.8	95
23	Dynamical and Structural Aspects of the Cold Crystallization of Poly(dimethylsiloxane) (PDMS). Macromolecules, 2008, 41, 1364-1376.	4.8	94
24	Physical aging of polystyrene/gold nanocomposites and its relation to the calorimetric Tg depression. Soft Matter, 2011, 7, 3607.	2.7	89
25	Enthalpy Recovery in Nanometer to Micrometer Thick Polystyrene Films. Macromolecules, 2012, 45, 5296-5306.	4.8	86
26	Out of equilibrium dynamics of poly(vinyl methyl ether) segments in miscible poly(styrene)-poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.1	84
27	Methyl Group Dynamics in Poly(vinyl methyl ether). A Rotation Rate Distribution Model. Macromolecules, 1994, 27, 3282-3288.	4.8	78
28	Dielectric relaxation in PMMA revisited. Journal of Non-Crystalline Solids, 1998, 235-237, 580-583.	3.1	78
29	Merging of the Dielectric Î± and Î² Relaxations in Glass-Forming Polymers. Macromolecules, 2001, 34, 503-513.	4.8	77
30	Water dynamics in n-propylene glycol aqueous solutions. Journal of Chemical Physics, 2006, 124, 194501.	3.0	77
31	Neutron scattering investigations on methyl group dynamics in polymers. Progress in Polymer Science, 2005, 30, 1147-1184.	24.7	75
32	Segmental Dynamics in Miscible Polymer Blends:Â Modeling the Combined Effects of Chain Connectivity and Concentration Fluctuations. Macromolecules, 2003, 36, 7280-7288.	4.8	74
33	Determination of the nanoscale dielectric constant by means of a double pass method using electrostatic force microscopy. Journal of Applied Physics, 2009, 106, .	2.5	73
34	Secondary and Segmental Relaxation in Polybutadienes of Varying Microstructure:Â Dielectric Relaxation Results. Macromolecules, 1996, 29, 129-134.	4.8	72
35	Accelerated physical aging in PMMA/silica nanocomposites. Soft Matter, 2010, 6, 3306.	2.7	72
36	Single-chain nanoparticles: opportunities provided by internal and external confinement. Materials Horizons, 2020, 7, 2292-2313.	12.2	72

#	Article	IF	Citations
37	Quantum Rotational Tunneling of Methyl Groups in Polymers. Physical Review Letters, 1998, 80, 2350-2353.	7.8	70
38	Role of Temperature and Pressure on the Multisensitive Multiferroic Dicyanamide Framework [TPrA][Mn(dca)₃] with Perovskite-like Structure. Inorganic Chemistry, 2015, 54, 11680-11687.	4.0	70
39	Quantitative Study of Chain Connectivity Inducing Effective Glass Transition Temperatures in Miscible Polymer Blends. Macromolecules, 2002, 35, 5587-5590.	4.8	67
40	Study of the Two-Component Segmental Dynamics of Poly(vinylethylene)/Polyisoprene Miscible Blends. Macromolecules, 1997, 30, 597-604.	4.8	66
41	Î±-Relaxation in the Glass-Transition Range of Amorphous Polymers. 2. Influence of Physical Aging on the Dielectric Relaxation. Macromolecules, 1997, 30, 3881-3887.	4.8	66
42	Route to calculate the length scale for the glass transition in polymers. Physical Review E, 2007, 76, 011514.	2.1	65
43	Dielectric relaxation of polymers: segmental dynamics under structural constraints. Soft Matter, 2016, 12, 7709-7725.	2.7	64
44	Enthalpy Recovery of PMMA/Silica Nanocomposites. Macromolecules, 2010, 43, 7594-7603.	4.8	63
45	Enhanced physical aging of polymer nanocomposites: The key role of the area to volume ratio. Polymer, 2012, 53, 1362-1372.	3.8	63
46	Relaxational dynamics in the glassy, supercooled liquid, and orientationally disordered crystal phases of a polymorphic molecular material. Physical Review B, 1999, 59, 9155-9166.	3.2	62
47	Heterogeneous dynamics of poly(vinyl acetate) far above Tg: A combined study by dielectric spectroscopy and quasielastic neutron scattering. Journal of Chemical Physics, 2005, 122, 244909.	3.0	62
48	Free volume holes diffusion to describe physical aging in poly(mehtyl methacrylate)/silica nanocomposites. Journal of Chemical Physics, 2011, 135, 014901.	3.0	62
49	Dynamic mechanical and dielectrical properties of poly(vinyl alcohol) and poly(vinyl alcohol)-based nanocomposites. Journal of Polymer Science, Part B: Polymer Physics, 2001, 39, 1968-1975.	2.1	61
50	Dynamics of Water Absorbed in Polyamides. Macromolecules, 2012, 45, 1676-1687.	4.8	61
51	Molecular dynamics of fully biobased poly(butylene 2,5-furanoate) as revealed by broadband dielectric spectroscopy. Polymer, 2017, 128, 24-30.	3.8	58
52	Relationship between dynamics and thermodynamics in glass-forming polymers. Europhysics Letters, 2005, 70, 614-620.	2.0	57
53	Broadband dielectric investigation on poly(vinyl pyrrolidone) and its water mixtures. Journal of Chemical Physics, 2008, 128, 044901.	3.0	57
54	Hydration and Dynamic State of Nanoconfined Polymer Layers Govern Toughness in Nacreâ€mimetic Nanocomposites. Advanced Materials, 2013, 25, 5055-5059.	21.0	57

#	Article	IF	Citations
55	Multiple phase and dielectric transitions on a novel multi-sensitive [TPrA][M(dca)₃] (M:) Tj ETQq1 1 0.784314 rgBT /Overlo Journal of Materials Chemistry C, 2016, 4, 4889-4898.	5.5	57
56	Dielectric spectroscopy in the GHz region on fully hydrated zwitterionic amino acids. Physical Chemistry Chemical Physics, 2012, 14, 11352.	2.8	56
57	Differences between Isotropic and Self-Nucleated PCL Melts Detected by Dielectric Experiments. Macromolecules, 2018, 51, 3663-3671.	4.8	56
58	Comment on â€œPressure Dependence of Fragile-to-Strong Transition and a Possible Second Critical Point in Supercooled Confined Waterâ€• Physical Review Letters, 2006, 97, 189802; discussion 189803.	7.8	55
59	Study of the Î± and Î² relaxations on a commercial poly(vinyl chloride) by thermally stimulated creep and depolarization current techniques. Journal of Applied Physics, 1986, 59, 3829-3834.	2.5	54
60	The dynamics of the Î±- and Î²-relaxations in glass-forming polymers studied by quasielastic neutron scattering and dielectric spectroscopy. Journal of Non-Crystalline Solids, 1994, 172-174, 126-137.	3.1	54
61	Methyl Group Dynamics in Poly(vinyl acetate):â€‰ A Neutron Scattering Study. Macromolecules, 1998, 31, 3985-3993.	4.8	54
62	Nanodielectric mapping of a model polystyrene-poly(vinyl acetate) blend by electrostatic force microscopy. Physical Review E, 2010, 81, 010801.	2.1	53
63	Detailed correspondences between dielectric and mechanical relaxations in poly(vinylethylene). Macromolecules, 1994, 27, 407-410.	4.8	52
64	Combining configurational entropy and self-concentration to describe the component dynamics in miscible polymer blends. Journal of Chemical Physics, 2005, 123, 144908.	3.0	52
65	Kinetic Study of the Graphite Oxide Reduction: Combined Structural and Gravimetric Experiments under Isothermal and Nonisothermal Conditions. Journal of Physical Chemistry C, 2010, 114, 21645-21651.	3.1	52
66	Interpretation of anomalous momentum transfer dependences of local chain motion of polymers observed by quasielastic incoherent neutron scattering experiments. Macromolecules, 1992, 25, 6727-6729.	4.8	51
67	On the origin of the non-exponential behaviour of the -relaxation in glass-forming polymers: incoherent neutron scattering and dielectric relaxation results. Journal of Physics Condensed Matter, 1999, 11, A363-A370.	1.8	50
68	Dielectric investigation of the temperature dependence of the nonexponentiality of the dynamics of polymer melts. Physical Review E, 1999, 59, 6888-6895.	2.1	50
69	On the Apparent SEC Molecular Weight and Polydispersity Reduction upon Intramolecular Collapse of Polydisperse Chains to Unimolecular Nanoparticles. Macromolecules, 2011, 44, 8644-8649.	4.8	49
70	Effect of hydration on the dielectric properties of C-S-H gel. Journal of Chemical Physics, 2011, 134, 034509.	3.0	49
71	Imaging dielectric relaxation in nanostructured polymers by frequency modulation electrostatic force microscopy. Applied Physics Letters, 2010, 96, 213110.	3.3	47
72	Heterogeneity of the Segmental Dynamics of Poly(dimethylsiloxane) in a Diblock Lamellar Mesophase:Â Dielectric Relaxation Investigations. Macromolecules, 2004, 37, 7808-7817.	4.8	46

#	Article	IF	Citations
73	Polymers under extreme two-dimensional confinement: Poly(ethylene oxide) in graphite oxide. Soft Matter, 2011, 7, 7173.	2.7	46
74	Investigation of Water Diffusion Mechanisms in Relation to Polymer Relaxations in Polyamides. Macromolecules, 2015, 48, 5730-5741.	4.8	46
75	Switching in Al-As-Te glass system. Journal of Non-Crystalline Solids, 1983, 58, 17-25.	3.1	45
76	New secondary relaxation in polymeric glasses: A possible common feature of the glassy state. Physical Review B, 1987, 35, 3995-4000.	3.2	45
77	Single Component Dynamics in Miscible Poly(vinyl methyl ether)/Polystyrene Blends under Hydrostatic Pressure. Macromolecules, 2007, 40, 3246-3255.	4.8	45
78	Reaching the ideal glass transition by aging polymer films. Physical Chemistry Chemical Physics, 2017, 19, 961-965.	2.8	44
79	A thermodynamic approach to the fragility of glass-forming polymers. Journal of Chemical Physics, 2006, 124, 024906.	3.0	43
80	Segmental and Normal Mode Relaxation of Poly(alkylene oxide)s Studied by Dielectric Spectroscopy and Rheology. Macromolecules, 2010, 43, 4968-4977.	4.8	43
81	Temperatureâˆ'Pressure Equivalence for the Component Segmental Dynamics of a Miscible Polymer Blend. Macromolecules, 2002, 35, 2030-2035.	4.8	42
82	Dynamics of Amorphous and Semicrystalline 1,4-trans-Poly(isoprene) by Dielectric Spectroscopy. Macromolecules, 2008, 41, 8669-8676.	4.8	42
83	Local mechanical and dielectric behavior of the interacting polymer layer in silica nano-particles filled SBR by means of AFM-based methods. Polymer, 2013, 54, 4980-4986.	3.8	42
84	Non-Debye dielectric relaxation around the liquid-glass transition of a glass-forming polymer. Physical Review B, 1993, 47, 14857-14865.	3.2	41
85	Dynamic Confinement Effects in Polymer Blends. A Quasielastic Neutron Scattering Study of the Slow Component in the Blend Poly(vinyl acetate)/Poly(ethylene oxide). Macromolecules, 2007, 40, 4568-4577.	4.8	41
86	Two-Dimensional Subnanometer Confinement of Ethylene Glycol and Poly(ethylene oxide) by Neutron Spectroscopy: Molecular Size Effects. Macromolecules, 2012, 45, 3137-3144.	4.8	41
87	On the interpretation of the TSDC results in the study of the Î±-relaxation of amorphous polymers. Polymer, 1996, 37, 2915-2923.	3.8	40
88	Macromolecular Structure and Vibrational Dynamics of Confined Poly(ethylene oxide): From Subnanometer 2D-Intercalation into Graphite Oxide to Surface Adsorption onto Graphene Sheets. ACS Macro Letters, 2012, 1, 550-554.	4.8	38
89	On the temperature dependence of the nonexponentiality in glass-forming liquids. Journal of Chemical Physics, 2009, 130, 124902.	3.0	36
90	A new method for obtaining distributions of relaxation times from frequency relaxation spectra. Journal of Chemical Physics, 1995, 103, 798-806.	3.0	35

#	Article	IF	Citations
91	Anomalous Dynamical Homogeneity of the Dielectric Î±-Relaxation in Miscible Polymer Blends of Poly(epichlorohydrin) and Poly(vinyl methyl ether). Macromolecules, 1995, 28, 8819-8823.	4.8	35
92	Physical aging in PMMA/silica nanocomposites: Enthalpy and dielectric relaxation. Journal of Non-Crystalline Solids, 2011, 357, 605-609.	3.1	35
93	Chain Length Effects on the Dynamics of Poly(ethylene oxide) Confined in Graphite Oxide: A Broadband Dielectric Spectroscopy Study. Macromolecules, 2013, 46, 7932-7939.	4.8	35
94	Depercolation of aggregates upon polymer grafting in simplified industrial nanocomposites studied with dielectric spectroscopy. Polymer, 2015, 73, 131-138.	3.8	35
95	Origin of the Distribution of Potential Barriers for Methyl Group Dynamics in Glassy Polymers:Â A Molecular Dynamics Simulation in Polyisoprene. Macromolecules, 2000, 33, 8077-8084.	4.8	34
96	Time dependence of the segmental relaxation time of poly(vinyl acetate)-silica nanocomposites. Physical Review E, 2012, 86, 041501.	2.1	34
97	The Complex Amorphous Phase in Poly(butylene succinate-ran-butylene azelate) Isodimorphic Copolyesters. Macromolecules, 2017, 50, 1569-1578.	4.8	34
98	Reconfigurable artificial microswimmers with internal feedback. Nature Communications, 2021, 12, 4762.	12.8	34
99	Methyl Group Dynamics in Poly(methyl methacrylate):â€‰ From Quantum Tunneling to Classical Hopping. Macromolecules, 2001, 34, 4886-4896.	4.8	33
100	Heterogeneous structure of poly(vinyl chloride) as the origin of anomalous dynamical behavior. Journal of Chemical Physics, 2002, 117, 1336-1350.	3.0	33
101	Accounting for the thickness dependence of the Tg in supported PS films via the volume holes diffusion model. Thermochimica Acta, 2014, 575, 233-237.	2.7	33
102	Complex nonequilibrium dynamics of stacked polystyrene films deep in the glassy state. Journal of Chemical Physics, 2017, 146, 203312.	3.0	33
103	Predicting the Time Scale of the Component Dynamics of Miscible Polymer Blends:Â The Polyisoprene/Poly(vinylethylene) Case. Macromolecules, 2006, 39, 7149-7156.	4.8	32
104	Thermal Stability of Polymers Confined in Graphite Oxide. Macromolecules, 2013, 46, 1890-1898.	4.8	32
105	â€œSelf-concentrationâ€•effects on the dynamics of a polychlorinated biphenyl diluted in 1,4-polybutadiene. Journal of Chemical Physics, 2007, 126, 204904.	3.0	31
106	Correlation between temperatureâ€“pressure dependence of the Î±-relaxation and configurational entropy for a glass-forming polymer. Journal of Non-Crystalline Solids, 2005, 351, 2616-2621.	3.1	30
107	Pressureâˆ’Temperature Dependence of Polymer Segmental Dynamics. Comparison between the Adamâˆ’Gibbs Approach and Density Scalings. Macromolecules, 2006, 39, 3931-3938.	4.8	30
108	Interpretation of the TSDC fractional polarization experiments on the ?-relaxation of polymers. Journal of Polymer Science, Part B: Polymer Physics, 2000, 38, 2105-2113.	2.1	29

#	Article	IF	Citations
109	On the Molecular Motions Originating from the Dielectric Î³-Relaxation of Bisphenol-A Polycarbonate. Macromolecules, 2006, 39, 2691-2699.	4.8	29
110	Dielectric study of the segmental relaxation of low and high molecular weight polystyrenes under hydrostatic pressure. Journal of Non-Crystalline Solids, 2007, 353, 4298-4302.	3.1	29
111	Effect of Blending on the Chain Dynamics of the â€œLow-T_gâ€•Component in Nonentangled and Dynamically Asymmetric Polymer Blends. Macromolecules, 2011, 44, 3611-3621.	4.8	29
112	Zwitterionic Ring-Opening Copolymerization of Tetrahydrofuran and Glycidyl Phenyl Ether with B(C₆F₅)₃. Macromolecules, 2015, 48, 1664-1672.	4.8	29
113	The coalescence range of the Î± and Î² processes in the glassâ€forming liquid bisâ€phenolâ€Câ€dimethylether (BCDE). Journal of Chemical Physics, 1996, 105, 432-439.	3.0	28
114	Self-Concentration and Interfacial Fluctuation Effects on the Local Segmental Dynamics of Nanostructured Diblock Copolymer Melts. Macromolecules, 2008, 41, 511-514.	4.8	28
115	Polyitaconates: A New Family of â€œAll-Polymerâ€•Dielectrics. ACS Applied Materials & Interfaces, 2018, 10, 38476-38492.	8.0	28
116	Dielectric Relaxation at the Glass Transition as a Free Volume Process. A Single Relaxation Time Approach. Physica Status Solidi (B): Basic Research, 1983, 120, 349-360.	1.5	27
117	Thermally stimulated depolarization current (TSDC) study of molecular motions in the glass-transition region of polyarylate (PAr). Polymer, 1986, 27, 1771-1776.	3.8	27
118	Q-dependence pf the relaxation times of the Î±-relaxation as observed by quasielastic neutron scattering. Journal of Non-Crystalline Solids, 1994, 172-174, 229-233.	3.1	27
119	Isotope effect on the rotational tunneling transitions of methyl groups in glassy polymers. Physical Review B, 1999, 59, 5983-5986.	3.2	27
120	Physical aging of poly(vinyl acetate). A thermally stimulated depolarization current investigation. Journal of Non-Crystalline Solids, 2001, 287, 237-241.	3.1	27
121	On the empirical functions describing the Î±-relaxation of glass-forming systems. Journal of Non-Crystalline Solids, 2001, 287, 246-251.	3.1	27
122	Sub-Tg dynamics in polycarbonate by neutron scattering and its relation with secondary Î³ relaxation. Journal of Chemical Physics, 2005, 123, 014907.	3.0	26
123	Dielectric properties of water in amorphous mixtures of polymers and other glass forming materials. Journal of Non-Crystalline Solids, 2007, 353, 4523-4527.	3.1	25
124	Rouse-Model-Based Description of the Dielectric Relaxation of Nonentangled Linear 1,4-cis-Polyisoprene. Macromolecules, 2009, 42, 8492-8499.	4.8	25
125	Broadband nanodielectric spectroscopy by means of amplitude modulation electrostatic force microscopy (AM-EFM). Ultramicroscopy, 2011, 111, 1366-1369.	1.9	25
126	Polymer Chain Dynamics: Evidence of Nonexponential Mode Relaxation Using Thermally Stimulated Depolarization Current Techniques. Physical Review Letters, 2014, 113, 078302.	7.8	25

#	Article	IF	Citations
127	A high-temperature dielectric process as a probe of large-scale silica filler structure in simplified industrial nanocomposites. Physical Chemistry Chemical Physics, 2015, 17, 1660-1666.	2.8	25
128	Dielectric spectroscopy of ionic microgel suspensions. Soft Matter, 2016, 12, 9705-9727.	2.7	25
129	Dynamics of confined water in different environments. European Physical Journal: Special Topics, 2007, 141, 49-52.	2.6	24
130	Detection, Quantification, and â€œClick-Scavengingâ€•of Impurities in Cyclic Poly(glycidyl phenyl ether) Obtained by Zwitterionic Ring-Expansion Polymerization with B(C₆F₅)₃. Macromolecules, 2017, 50, 1870-1881.	4.8	24
131	Broadband Dielectric Spectroscopy Study of Biobased Poly(alkylene 2,5-furanoate)sâ€™ Molecular Dynamics. Polymers, 2020, 12, 1355.	4.5	24
132	Describing the component dynamics in miscible polymer blends: Towards a fully predictive model. Journal of Chemical Physics, 2006, 124, 154904.	3.0	23
133	Dielectric relaxation of polychlorinated biphenyl/toluene mixtures: Component dynamics. Journal of Chemical Physics, 2008, 128, 224508.	3.0	23
134	Polymer Dynamics of Well-Defined, Chain-End-Functionalized Polystyrenes by Dielectric Spectroscopy. Macromolecules, 2009, 42, 8875-8881.	4.8	23
135	Dynamic mechanical study of four amorphous polymers around and above the glass transition: breakdown of the time-temperature superposition principle in the frame of the coupling model. Macromolecules, 1991, 24, 5196-5202.	4.8	22
136	The Adamâ€"Gibbs equation and the out-of-equilibrium Î± relaxation of glass forming systems. Journal of Chemical Physics, 2004, 121, 1636-1643.	3.0	22
137	Dielectric Relaxations in Poly(glycidyl phenyl ether): Effects of Microstructure and Cyclic Topology. Macromolecules, 2016, 49, 1060-1069.	4.8	22
138	On the non-exponentiality of the dielectric Debye-like relaxation of monoalcohols. Journal of Chemical Physics, 2017, 146, 114502.	3.0	22
139	High Lithium Conductivity of Miscible Poly(ethylene oxide)/Methacrylic Sulfonamide Anionic Polyelectrolyte Polymer Blends. Macromolecules, 2020, 53, 4442-4453.	4.8	22
140	Cooling Rate Dependent Glass Transition in Thin Polymer Films and in Bulk. , 2016, , 403-431.		21
141	Methyl group dynamics in glassy toluene: A neutron scattering study. Journal of Chemical Physics, 2001, 115, 8958-8966.	3.0	20
142	Phenylene ring dynamics in bisphenol-A-polysulfone by neutron scattering. Journal of Chemical Physics, 2004, 120, 423-436.	3.0	20
143	Dielectric relaxations in ribose and deoxyribose supercooled water solutions. Journal of Chemical Physics, 2009, 131, 085102.	3.0	20
144	Nanoscale dielectric properties of insulating thin films: From single point measurements to quantitative images. Ultramicroscopy, 2010, 110, 634-638.	1.9	20

#	Article	IF	Citations
145	Anomalous molecular weight dependence of chain dynamics in unentangled polymer blends with strong dynamic asymmetry. Soft Matter, 2012, 8, 3739.	2.7	20
146	Synthesis of new poly(itaconate)s containing nitrile groups as high dipolar moment entities for the development of dipolar glass polymers with increased dielectric constant. Thermal and dielectric characterization. European Polymer Journal, 2019, 114, 19-31.	5.4	20
147	Miscibility and dielectric Î±-relaxation of PECH/PVME polymer blends. Journal of Non-Crystalline Solids, 1994, 172-174, 961-965.	3.1	19
148	Effect of blending on the methyl side group dynamics in poly(vinyl methyl ether). Journal of Non-Crystalline Solids, 1998, 235-237, 233-236.	3.1	19
149	Positron-annihilation-lifetime response and broadband dielectric relaxation spectroscopy: Diethyl phthalate. Physical Review E, 2007, 76, 031503.	2.1	19
150	Positron annihilation and relaxation dynamics from dielectric spectroscopy and nuclear magnetic resonance: Cisâ€“trans-1,4-poly(butadiene). Journal of Chemical Physics, 2011, 134, 164507.	3.0	19
151	Dynamic study of polystyrene-block-poly(4-vinylpyridine) copolymer in bulk and confined in cylindrical nanopores. Polymer, 2014, 55, 4057-4066.	3.8	19
152	Multimodal character of shear viscosity response in hydrogen bonded liquids. Physical Chemistry Chemical Physics, 2018, 20, 27758-27765.	2.8	19
153	Dielectric properties of polyarylate (PAr) around the glass transition. Polymer, 1985, 26, 913-917.	3.8	18
154	Numerical study of the lateral resolution in electrostatic force microscopy for dielectric samples. Nanotechnology, 2011, 22, 285705.	2.6	18
155	Evidence of Nanostructure Development from the Molecular Dynamics of Poly(pentamethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 1	4.8	18
156	How Does Microstructural Design Affect the Dynamics and Rheology of Segmented Polyurethanes?. Macromolecules, 2020, 53, 5381-5398.	4.8	18
157	Plasticizer effect on the dynamics of polyvinylchloride studied by dielectric spectroscopy and quasielastic neutron scattering. Journal of Chemical Physics, 2006, 125, 154904.	3.0	17
158	Broadband dielectric study of oligomer of poly(vinyl acetate): A detailed comparison of dynamics with its polymer analog. Physical Review E, 2007, 75, 061805.	2.1	17
159	Dynamical heterogeneity in binary mixtures of low-molecular-weight glass formers. Physical Review E, 2009, 80, 041505.	2.1	17
160	High and low molecular weight crossovers in the longest relaxation time dependence of linear cis-1,4 polyisoprene by dielectric relaxations. Rheologica Acta, 2010, 49, 507-512.	2.4	17
161	Comparison of Calorimetric and Dielectric Single Component Glass Transitions in PtBSâˆ’PI Blends. Macromolecules, 2010, 43, 6406-6413.	4.8	17
162	Dynamics of Water in Supercooled Aqueous Solutions of Poly(propylene glycol) As Studied by Broadband Dielectric Spectroscopy and Low-Temperature FTIR-ATR Spectroscopy. Journal of Physical Chemistry B, 2011, 115, 13817-13827.	2.6	17

#	Article	IF	Citations
163	Unexpected PDMS Behavior in Segregated Cylindrical and Spherical Nanophases of PSâ€"PDMS Asymmetric Diblock Copolymers. Macromolecules, 2012, 45, 491-502.	4.8	17
164	Mesoscale Dynamics in Melts of Single-Chain Polymeric Nanoparticles. Macromolecules, 2019, 52, 6935-6942.	4.8	17
165	Poly(alkylene 2,5-furanoate)s thin films: Morphology, crystallinity and nanomechanical properties. Polymer, 2020, 204, 122825.	3.8	17
166	Self-confined polymer dynamics in miscible binary blends. European Physical Journal E, 2003, 12, 127-130.	1.6	16
167	The dynamical behavior of hydrated glutathione: a model for proteinâ€"water interactions. Physical Chemistry Chemical Physics, 2010, 12, 10512.	2.8	16
168	On the use of electrostatic force microscopy as a quantitative subsurface characterization technique: A numerical study. Applied Physics Letters, 2011, 99, 023101.	3.3	16
169	Influence of Solvent on Poly(2-(Dimethylamino)Ethyl Methacrylate) Dynamics in Polymer-Concentrated Mixtures: A Combined Neutron Scattering, Dielectric Spectroscopy, and Calorimetric Study. Macromolecules, 2015, 48, 6724-6735.	4.8	16
170	An Insight into the Anionic Ring-Opening Polymerization with Tetrabutylammonium Azide for the Generation of Pure Cyclic Poly(glycidyl phenyl ether). Macromolecules, 2018, 51, 2447-2455.	4.8	16
171	Title is missing!. Die Makromolekulare Chemie, 1989, 190, 3257-3267.	1.1	15
172	Volume recovery of polystyrene/silica nanocomposites. Journal of Polymer Science, Part B: Polymer Physics, 2013, 51, 847-853.	2.1	15
173	Dielectric spectroscopy at the nanoscale by atomic force microscopy: A simple model linking materials properties and experimental response. Journal of Applied Physics, 2014, 115, .	2.5	15
174	Dielectric relaxation of 2-ethyl-1-hexanol around the glass transition by thermally stimulated depolarization currents. Journal of Chemical Physics, 2015, 142, 214504.	3.0	15
175	How Confinement Affects the Nucleation, Crystallization, and Dielectric Relaxation of Poly(butylene) Tj ETQq1 1 0.784314 rgBT /Over 2019, 35, 15168-15179.	3.5	15
176	Facile Access to Completely Deuterated Singleâ€Chain Nanoparticles Enabled by Intramolecular Azide Photodecomposition. Macromolecular Rapid Communications, 2019, 40, 1900046.	3.9	15
177	Adam-Gibbs based model to describe the single component dynamics in miscible polymer blends under hydrostatic pressure. Journal of Chemical Physics, 2007, 127, 154907.	3.0	14
178	Comparative study of â€œÎ²-relaxationsâ€• in a glass-forming polymer (PVC) by dielectric spectroscopy and quasielastic neutron scattering. Physica A: Statistical Mechanics and Its Applications, 1993, 201, 447-452.	2.6	13
179	Positron annihilation and relaxation dynamics from dielectric spectroscopy: poly(vinylmethylether). Journal of Physics Condensed Matter, 2012, 24, 155104.	1.8	13
180	Confinement of poly(ethylene oxide) in the nanometer-scale pores of resins and carbon nanoparticles. Soft Matter, 2013, 9, 10960.	2.7	13

#	Article	IF	Citations
181	Component dynamics in nanostructured PI-PDMS diblock copolymers with PI segregated in lamellas, cylinders, and spheres. Colloid and Polymer Science, 2014, 292, 1863-1876.	2.1	13
182	Glassy Dynamics of an All-Polymer Nanocomposite Based on Polystyrene Single-Chain Nanoparticles. Macromolecules, 2019, 52, 6868-6877.	4.8	13
183	Analysis of the relaxations on polymers from the real part of a general complex susceptibility. Application to dielectric relaxations. Journal of Polymer Science, Part B: Polymer Physics, 1999, 37, 1337-1349.	2.1	12
184	High pressure dynamics of polymer/plasticizer mixtures. Journal of Chemical Physics, 2009, 131, 044906.	3.0	12
185	Dielectric relaxation of various end-functionalized polystyrenes: Plastification effects versus specific dynamics. Journal of Non-Crystalline Solids, 2010, 356, 676-679.	3.1	12
186	Water dynamics in poly(vinyl pyrrolidone)â€“water solution before and after isothermal crystallization. Journal of Non-Crystalline Solids, 2010, 356, 3037-3041.	3.1	12
187	Easy-dispersible poly(glycidyl phenyl ether)-functionalized graphene sheets obtained by reaction of â€œlivingâ€•anionic polymer chains. Chemical Communications, 2012, 48, 2618.	4.1	12
188	Intercalation and Confinement of Poly(ethylene oxide) in Porous Carbon Nanoparticles with Controlled Morphologies. Macromolecules, 2014, 47, 8729-8737.	4.8	12
189	Chain Dynamics on Crossing the Glass Transition: Nonequilibrium Effects and Recovery of the Temperature Dependence of the Structural Relaxation. ACS Macro Letters, 2014, 3, 1215-1219.	4.8	12
190	An unexpected route to aldehyde-decorated single-chain nanoparticles from azides. Polymer Chemistry, 2016, 7, 6570-6574.	3.9	12
191	Determining viscosity temperature behavior of four amorphous thermoplastics using a parallel plate technique. Polymer Engineering and Science, 1987, 27, 810-815.	3.1	11
192	Temperature and momentum transfer dependence of the dynamics of the Î±-relaxation in polymer melts. Physica B: Condensed Matter, 1992, 182, 369-375.	2.7	11
193	Methyl group rotational tunnelling in glasses: a direct comparison with the crystal. Physica B: Condensed Matter, 2000, 276-278, 361-362.	2.7	11
194	Study of the Dynamic Heterogeneity in Poly(ethylene-ran-vinyl acetate) Copolymer by Using Broadband Dielectric Spectroscopy and Electrostatic Force Microscopy. Macromolecules, 2013, 46, 7502-7512.	4.8	11
195	End-to-End Vector Dynamics of Nonentangled Polymers in Lamellar Block Copolymer Melts: The Role of Junction Point Motion. Macromolecules, 2013, 46, 7477-7487.	4.8	11
196	Applying Polymer Blend Dynamics Concepts to a Simplified Industrial System. A Combined Effort by Dielectric Spectroscopy and Neutron Scattering. Macromolecules, 2018, 51, 6692-6706.	4.8	11
197	Dielectric relaxation and physical aging in polar glassy polymers. Journal of Non-Crystalline Solids, 1991, 131-133, 457-461.	3.1	10
198	Methyl group dynamics in glassy systems: Crossover from quantum to classical regime. Physical Review B, 2001, 63, .	3.2	10

#	Article	IF	Citations
199	Methyl-group dynamics from tunneling to hopping inNaCH3CO2â‹…3H2O:Comparison between a crystal and its glassy counterpart. Physical Review B, 2002, 65, .	3.2	10
200	Methyl group dynamics in a confined glass. European Physical Journal E, 2003, 12, 43-46.	1.6	10
201	Positron annihilation response and broadband dielectric spectroscopy: Poly(propylene glycol). Journal of Non-Crystalline Solids, 2010, 356, 782-786.	3.1	10
202	Contrast inversion in electrostatic force microscopy imaging of trapped charges: tipâ€"sample distance and dielectric constant dependence. Nanotechnology, 2011, 22, 345702.	2.6	10
203	Revisiting the effects of organic solvents on the thermal reduction of graphite oxide. Thermochimica Acta, 2011, 526, 65-71.	2.7	10
204	Broadband dielectric spectroscopy and calorimetric investigations of d-lyxose. Carbohydrate Research, 2011, 346, 2165-2172.	2.3	10
205	Dielectric relaxations of Acrylic-Polyurethane hybrid materials. Polymer, 2015, 74, 21-29.	3.8	10
206	A Useful Methodology for Determining the Compaction Degree of Singleâ€Chain Nanoparticles by Conventional SEC. Particle and Particle Systems Characterization, 2016, 33, 373-381.	2.3	10
207	New poly(itaconate)s with bulky pendant groups as candidates for â€œall-polymerâ€•dielectrics. Reactive and Functional Polymers, 2019, 140, 1-13.	4.1	10
208	Dynamics of the Î±-process of polymer systems on a microscopical timescale. Neutron and nuclear magnetic resonance study. Journal of Non-Crystalline Solids, 1991, 131-133, 949-954.	3.1	9
209	PDMS behaviour under confinement in strongly segregated mesophases of PS-PDMS diblock copolymers. European Physical Journal: Special Topics, 2010, 189, 257-261.	2.6	9
210	Site-Dependent Segmental Dynamics Revealed Using Broadband Dielectric Spectroscopy on Well-Defined Functionalized Polystyrenes. Macromolecules, 2011, 44, 7810-7819.	4.8	9
211	Broadband Dielectric Spectroscopic, Calorimetric, and FTIRâ€ATR Investigations of <scp>D</scp>â€Arabinose Aqueous Solutions. ChemPhysChem, 2011, 12, 3624-3633.	2.1	9
212	Dynamical behavior of highly concentrated trehalose water solutions: a dielectric spectroscopy study. Physical Chemistry Chemical Physics, 2012, 14, 2991.	2.8	9
213	AFM based dielectric spectroscopy: Extended frequency range through excitation of cantilever higher eigenmodes. Ultramicroscopy, 2014, 146, 55-61.	1.9	9
214	Molecular dynamic heterogeneity in relation to free volume and relaxation dynamics in organic glass-formers: oligomeric cis-1,4-poly(isoprene). Physical Chemistry Chemical Physics, 2017, 19, 15215-15226.	2.8	9
215	Synthesis of Macrocyclic Poly(glycidyl phenyl ether) with an Inverted-Dipole Microstructure via Ring Closure of Two-Arm Linear Precursors Obtained by Initiation with t-BuP4/Water. Macromolecules, 2020, 53, 10005-10014.	4.8	9
216	Increasing the temperature range of dipolar glass polymers through copolymerization: A first approach to dipolar glass copolymers. Polymer, 2020, 203, 122765.	3.8	9

#	Article	IF	Citations
217	Resolving Segmental Polymer Dynamics in Nanocomposites by Incoherent Neutron Spinâ€"Echo Spectroscopy. ACS Macro Letters, 2020, 9, 910-916.	4.8	9
218	Dielectric Relaxation at the Glass Transition as a Free Volume Process. II. A Continuous Distribution of Relaxation Times. Physica Status Solidi (B): Basic Research, 1984, 125, 409-419.	1.5	8
219	Relationship between relaxation time and viscosity above the glass-transition in two glassy polymers (polyarylate and polysulfone). Journal of Polymer Science, Part C: Polymer Letters, 1986, 24, 399-402.	0.7	8
220	Relaxations and molecular motions in the glassâ€transition region of glassy polymers. Makromolekulare Chemie Macromolecular Symposia, 1988, 20-21, 397-408.	0.6	8
221	Secondary relaxation in two engineering thermoplastics by neutron scattering and dielectric spectroscopy. Applied Physics A: Materials Science and Processing, 2002, 74, s454-s456.	2.3	8
222	Modeling the Dynamics of Head-to-Head Polypropylene in Blends with Polyisobutylene. Macromolecules, 2006, 39, 448-450.	4.8	8
223	Phenylene ring dynamics in phenoxy and the effect of intramolecular linkages on the dynamics of some engineering thermoplastics below the glass transition temperature. Physical Review E, 2007, 75, 051801.	2.1	8
224	Dielectric secondary relaxation and phenylene ring dynamics in bisphenol-A polycarbonate. Journal of Non-Crystalline Solids, 2007, 353, 4262-4266.	3.1	8
225	Dynamics and Structure of Poly(ethylene oxide) Intercalated in the Nanopores of Resorcinolâ€"Formaldehyde Resin Nanoparticles. Macromolecules, 2016, 49, 5704-5713.	4.8	8
226	Ionic transport in the amorphous phase of semicrystalline polyethylene oxide thin films. Soft Matter, 2017, 13, 5597-5603.	2.7	8
227	Direct Observation of Dynamic Tube Dilation in Entangled Polymer Blends: A Combination of Neutron Scattering and Dielectric Techniques. Physical Review Letters, 2019, 123, 187802.	7.8	8
228	Glass-Transition Dynamics of Mixtures of Linear Poly(vinyl methyl ether) with Single-Chain Polymer Nanoparticles: Evidence of a New Type of Nanocomposite Materials. Polymers, 2019, 11, 533.	4.5	8
229	Poly(ethylene oxide) Melt Intercalation in Graphite Oxide: Sensitivity to Topology, Cyclic versus Linear Chains. Macromolecules, 2020, 53, 406-416.	4.8	8
230	Insights into the non-exponential behavior of the dielectric Debye-like relaxation in monoalcohols. Journal of Molecular Liquids, 2020, 312, 113441.	4.9	8
231	Effect of environmental humidity on the ionic transport of poly(ethylene oxide) thin films, investigated by local dielectric spectroscopy. Soft Matter, 2020, 16, 3203-3208.	2.7	8
232	Tube Dilation in Isofrictional Polymer Blends Based on Polyisoprene with Different Topologies: Combination of Dielectric and Rheological Spectroscopy, Pulsed-Field-Gradient NMR, and Neutron Spin Echo (NSE) Techniques. Macromolecules, 2020, 53, 5919-5936.	4.8	8
233	Phase Transitions in Poly(vinylidene fluoride)/Polymethylene-Based Diblock Copolymers and Blends. Polymers, 2021, 13, 2442.	4.5	8
234	Fast dynamics below and around the glass transition in a sidegroup polymer (PVME). Physica A: Statistical Mechanics and Its Applications, 1993, 201, 101-105.	2.6	7

#	Article	IF	Citations
235	Methyl group dynamics in glassy polymers by neutron scattering: from classical to quantum motions. Physica B: Condensed Matter, 2000, 276-278, 322-325.	2.7	7
236	Molecular motions in glassy polycarbonate below its glass transition temperature. Journal of Non-Crystalline Solids, 2006, 352, 5072-5075.	3.1	7
237	Miscible Polymer Blends with Large Dynamical Asymmetry:â€‰ A New Class of Solid-State Electrolytes?. Macromolecules, 2008, 41, 1565-1569.	4.8	7
238	Effect of stretching on the sub-Tgphenylene-ring dynamics of polycarbonate by neutron scattering. Physical Review E, 2008, 78, 021801.	2.1	7
239	Effect of silica particles concentration on the physical aging of PMMAâˆ•silica nanocomposites. AIP Conference Proceedings, 2010, , .	0.4	7
240	Supramolecular Self-Assembly of Monocarboxydecyl-Terminated Dimethylsiloxane Oligomer. Macromolecules, 2017, 50, 8688-8697.	4.8	7
241	Kinetic differences in the intercalation of linear and cyclic penta(ethylene oxide)s into graphite oxide leading to separation by topology. Physical Chemistry Chemical Physics, 2017, 19, 18366-18371.	2.8	7
242	Effect of hydrogen bonding on the physicochemical and rheological features of chemically modified phenoxy. Polymer, 2018, 159, 12-22.	3.8	7
243	Dynamics of Confined Short-Chain alkanol in MCM-41 by Dielectric Spectroscopy: Effects of matrix and system Treatments and Filling Factor. Polymers, 2020, 12, 610.	4.5	7
244	Gold nanoparticles endowed with low-temperature colloidal stability by cyclic polyethylene glycol in ethanol. Soft Matter, 2021, 17, 7792-7801.	2.7	7
245	Fast-dynamics in plasticized poly(vinyl chloride). Journal of Non-Crystalline Solids, 1998, 235-237, 169-172.	3.1	6
246	Short-time dynamics of phenylene-rings in bisphenol based engineering thermoplastics. Chemical Physics, 2003, 292, 363-370.	1.9	6
247	Modeling the high frequency mechanical relaxation of simplified industrial polymer mixtures using dielectric relaxation results. Polymer, 2020, 187, 122051.	3.8	6
248	Concentration Fluctuations and Nanosegregation in a Simplified Industrial Blend with Large Dynamic Asymmetry. Macromolecules, 2020, 53, 7150-7160.	4.8	6
249	Compatibility studies of polystyrene and poly(vinyl acetate) blends using electrostatic force microscopy. Journal of Polymer Science, Part B: Polymer Physics, 2011, 49, 1332-1338.	2.1	5
250	Structure and component dynamics in binary mixtures of poly(2-(dimethylamino)ethyl methacrylate) with water and tetrahydrofuran: A diffraction, calorimetric, and dielectric spectroscopy study. Journal of Chemical Physics, 2016, 144, 154903.	3.0	5
251	Isolation of cyclic penta(ethylene oxide) from mixtures with its linear analog by combining selective intercalation into graphite oxide and solvent approaches. Separation and Purification Technology, 2019, 213, 142-150.	7.9	5
252	Dielectric properties of thin insulating layers measured by Electrostatic Force Microscopy. EPJ Applied Physics, 2010, 50, 10501.	0.7	5

#	Article	IF	Citations
253	Extended KronmÃ¼ller model for cooperative relaxations in metallic glasses. Physical Review B, 1993, 47, 5041-5046.	3.2	4
254	Dynamics of the Î±-relaxation in glass-forming polymeric systems. Study by neutron scattering and relaxation techniques. , 1993, , 24-27.		4
255	Dielectric relaxation of LC-thermotropic poly(ester imide)s. Journal of Polymer Science, Part B: Polymer Physics, 1997, 35, 203-212.	2.1	4
256	The distribution of tunnelling frequencies for methyl group rotation in poly(vinyl acetate). Journal of Non-Crystalline Solids, 2001, 287, 242-245.	3.1	4
257	Segmental order and dynamics of polymer chains confined in block copolymer lamellar mesophases: NMR and dielectric relaxation studies. European Physical Journal E, 2003, 12, 121-125.	1.6	4
258	Microscopic dynamics in some engineering thermoplastics and a polymer membrane. Physica B: Condensed Matter, 2004, 350, E971-E973.	2.7	4
259	Effect of cold-drawing on the secondary dielectric relaxation of bisphenol-A polycarbonate. Journal of Non-Crystalline Solids, 2005, 351, 2652-2656.	3.1	4
260	Comment on â€œVibrational and configurational parts of the specific heat at glass formationâ€• Physical Review B, 2008, 78, .	3.2	4
261	Determining concentration depth profiles in fluorinated networks by means of electric force microscopy. Journal of Chemical Physics, 2011, 135, 064704.	3.0	4
262	Dynamics of tetrahydrofuran as minority component in a mixture with poly(2-(dimethylamino)ethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Physics, 2015, 143, 094505.	3.0	4
263	Broadband dielectric spectroscopy to validate architectural features in Type-A polymers: Revisiting the poly(glycidyl phenyl ether) case. European Physical Journal E, 2019, 42, 93.	1.6	4
264	Dielectric Relaxation as a Probe To Verify the Symmetrical Growth of Two-Arm Poly(glycidyl phenyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.8	4
265	Water dynamics and self-assembly of single-chain nanoparticles in concentrated solutions. Soft Matter, 2020, 16, 9738-9745.	2.7	4
266	Effect of Paclitaxel in the Water Dynamics of MCF-7 Breast Cancer Cells Revealed by Dielectric Spectroscopy. ACS Omega, 2020, 5, 18602-18607.	3.5	4
267	Signature of hydrogen bonding association in the dielectric signal of polyalcohols. Journal of Molecular Liquids, 2020, 318, 114215.	4.9	4
268	Non-Einstein Rheology in Segmented Polyurethane Nanocomposites. Macromolecules, 2021, 54, 2783-2796.	4.8	4
269	Sub Tg enthalpy relaxation in glasses. Thermochimica Acta, 1985, 85, 183-186.	2.7	3
270	Switching electrical power of bulk chalcogenide glassy semiconductors. Journal of Materials Science Letters, 1987, 6, 823-825.	0.5	3

#	Article	IF	Citations
271	Power law and the viscosity of supercooled glass-forming metallic systems. Physical Review B, 1988, 38, 798-801.	3.2	3
272	Simultaneous evaluation of viscosity and retardation time in glassy polymers by a parallelâ€plate technique. Journal of Applied Physics, 1988, 64, 642-646.	2.5	3
273	QENS investigation of the segmental dynamics of a PVME/dPS miscible polymer blend. Physica B: Condensed Matter, 1997, 234-236, 442-444.	2.7	3
274	The spin-glass transition: exponents and dynamics. Physica A: Statistical Mechanics and Its Applications, 1998, 257, 21-27.	2.6	3
275	Glassy dynamics of polysulfone by quasielastic neutron scattering: from 10âˆ’13 to. Physica B: Condensed Matter, 2004, 350, 211-213.	2.7	3
276	Polymer Rheology by Dielectric Spectroscopy. , 0, , .		3
277	Intra- vs Intermolecular Cross-Links in Poly(methyl methacrylate) Networks Containing Enamine Bonds. Macromolecules, 2022, 55, 3627-3636.	4.8	3
278	Theoretical interpretation of activation energies associated with the glass transition, obtained from td or DSC experiments. Journal of Thermal Analysis, 1987, 32, 623-635.	0.6	2
279	Dielectric relaxation around the nematic-isotropic transition of liquid crystalline polymers. Journal of Non-Crystalline Solids, 1994, 172-174, 966-971.	3.1	2
280	Methyl group dynamics in a glass and its crystalline counterpart by neutron scattering. Applied Physics A: Materials Science and Processing, 2002, 74, s424-s426.	2.3	2
281	Molecular motions in a polymer membrane: a time-of-flight study on poly(ether sulfone). Physica B: Condensed Matter, 2004, 350, E893-E895.	2.7	2
282	Three-dimensional tomography of single charge inside dielectric materials using electrostatic force microscopy. Materials Research Society Symposia Proceedings, 2012, 1421, 1.	0.1	2
283	Partition of Coating Agents between Nanoparticle Interfaces and the Polymer in Nanocomposites. Macromolecules, 2020, 53, 8083-8094.	4.8	2
284	Preparation and characterization of nonâ€vulcanized natural rubberâ€based cocoa pod husk composites. Journal of Applied Polymer Science, 2022, 139, 51464.	2.6	2
285	On the origin of the distribution of potential barriers for methyl group dynamics in glassy polymers: Neutron scattering & MD-simulations. , 1999, , .		1
286	Modelling segmental dynamics in miscible polymer blends. Macromolecular Symposia, 2003, 198, 19-28.	0.7	1
287	Dielectric study of the phase diagram of the poly(?-benzyl-L-glutamate)/dimethylformamide system. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 3943-3952.	2.1	1
288	Hydration Water Dynamics in Solutions of Hydrophilic Polymers, Biopolymers and Other Glass Forming Materials by Dielectric Spectroscopy. AIP Conference Proceedings, 2008, , .	0.4	1

#	Article	IF	Citations
289	Dielectric relaxation analysis of hybrid acrylicâ€"polyurethane gels. Materials Today Communications, 2016, 8, 100-107.	1.9	1
290	Dielectric Relaxation Behaviour Around the Glass-Transition of Polar Polymeric Systems. Springer Proceedings in Physics, 1989, , 53-57.	0.2	1
291	Rheological and thermal properties of purified raw natural rubber. Journal of Rubber Research (Kuala) Tj ETQq1 1 0.784314 rgBT /Over	1.1	1
292	Fabrication and nanoscale properties of PEDOT:PSS conducting polymer nanospheres. Soft Matter, 2022, 18, 4554-4564.	2.7	1
293	Comment on â€œAnomalous structural recovery in the near glass transition range in a polymer glass: Data revisited in light of temperature variability in vacuum ovenâ€based experimentsâ€. Polymer Engineering and Science, 0, , .	3.1	1
294	Frequency and temperature dependence of dielectric losses in PVC around the glass transition. , 1983, , .		0
295	Dynamic mechanical behaviour of a polysulfone in the glass transition region. Makromolekulare Chemie Macromolecular Symposia, 1988, 20-21, 451-460.	0.6	0
296	The rotational barrier for methyl group dynamics in anhydrous sodium acetate. Applied Physics A: Materials Science and Processing, 2002, 74, s1351-s1353.	2.3	0
297	Neutron Scattering and Dielectric Study on the Structural and Dynamical Peculiar Properties of Poly(vinyl chloride). AIP Conference Proceedings, 2004, , .	0.4	0
298	A dielectric test of the validity of the Adamâ€"Gibbs equation out-of-equilibrium: Polymers vs. small molecules. Journal of Non-Crystalline Solids, 2005, 351, 2588-2592.	3.1	0
299	RelajaciÃ³n secundaria en sistemas formadores de vidrios. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2000, 39, 371-373.	1.9	0
300	Parallel-plate viscometry of amorphous polymers in the range 104 to 1010 Pa s. , 1988, , 159-161.		0