Angel Alegria

List of Publications by Year
in descending order

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300	10,565	32410	56606
papers	citations	55 h-index	87 g-index

311	311	311	7142
all docs	docs citations	times ranked	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.	1.1	632
2	Scaling out the density dependence of the Î± relaxation in glass-forming polymers. Europhysics Letters, 2004, 68, 58-64.	0.7	206
3	Physical aging in polymers and polymer nanocomposites: recent results and open questions. Soft Matter, 2013, 9, 8619.	1.2	206
4	Interconnection between frequency-domain Havriliak-Negami and time-domain Kohlrausch-Williams-Watts relaxation functions. Physical Review B, 1993, 47, 125-130.	1.1	203
5	Dynamics of Water Intercalated in Graphite Oxide. Journal of Physical Chemistry C, 2010, 114, 2604-2612.	1.5	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.	2.9	194
7	Observation of the Component Dynamics in a Miscible Polymer Blend by Dielectric and Mechanical Spectroscopies. Macromolecules, 1994, 27, 4486-4492.	2.2	186
8	Network dynamics in nanofilled polymers. Nature Communications, 2016, 7, 11368.	5.8	180
9	The merging of the dielectric Î±- and Î²-relaxations in poly-(methyl methacrylate). Journal of Chemical Physics, 1998, 109, 7546-7555.	1.2	176
10	Tg depression and invariant segmental dynamics in polystyrene thin films. Soft Matter, 2012, 8, 5119.	1.2	173
11	Correlation between non-Debye behavior andQbehavior of the Î± relaxation in glass-forming polymeric systems. Physical Review Letters, 1992, 69, 478-481.	2.9	169
12	Direct Evidence of Two Equilibration Mechanisms in Glassy Polymers. Physical Review Letters, 2013, 111, 095701.	2.9	166
13	Effect of Blending on the PVME Dynamics. A Dielectric, NMR, and QENS Investigation. Macromolecules, 1999, 32, 4065-4078.	2.2	134
14	Universal features of water dynamics in solutions of hydrophilic polymers, biopolymers, and small glass-forming materials. Physical Review E, 2008, 77, 031803.	0.8	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.	11.8	123
16	.alpha.-Relaxation in the Glass Transition Range of Amorphous Polymers. 1. Temperature Behavior across the Glass transition. Macromolecules, 1995, 28, 1516-1527.	2.2	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.	1.1	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.	2.2	104

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19	Permanent adsorption of organic solvents in graphite oxide and its effect on the thermal exfoliation. Carbon, 2010, 48, 1079-1087.	5.4	103
20	Dielectric Investigation of the Low-Temperature Water Dynamics in the Poly(vinyl methyl ether)/H2O System. Macromolecules, 2005, 38, 7056-7063.	2.2	100
21	Sorption and desorption behavior of water and organic solvents from graphite oxide. Carbon, 2010, 48, 3277-3286.	5.4	97
22	Enthalpy Recovery of Glassy Polymers: Dramatic Deviations from the Extrapolated Liquidlike Behavior. Macromolecules, 2011, 44, 8333-8342.	2.2	95
23	Dynamical and Structural Aspects of the Cold Crystallization of Poly(dimethylsiloxane) (PDMS). Macromolecules, 2008, 41, 1364-1376.	2.2	94
24	Physical aging of polystyrene/gold nanocomposites and its relation to the calorimetric Tg depression. Soft Matter, 2011, 7, 3607.	1.2	89
25	Enthalpy Recovery in Nanometer to Micrometer Thick Polystyrene Films. Macromolecules, 2012, 45, 5296-5306.	2.2	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	0.8	84
27	Methyl Group Dynamics in Poly(vinyl methyl ether). A Rotation Rate Distribution Model. Macromolecules, 1994, 27, 3282-3288.	2.2	78
28	Dielectric relaxation in PMMA revisited. Journal of Non-Crystalline Solids, 1998, 235-237, 580-583.	1.5	78
29	Merging of the Dielectric Î± and Î² Relaxations in Glass-Forming Polymers. Macromolecules, 2001, 34, 503-513.	2.2	77
30	Water dynamics in n-propylene glycol aqueous solutions. Journal of Chemical Physics, 2006, 124, 194501.	1.2	77
31	Neutron scattering investigations on methyl group dynamics in polymers. Progress in Polymer Science, 2005, 30, 1147-1184.	11.8	75
32	Segmental Dynamics in Miscible Polymer Blends:Â Modeling the Combined Effects of Chain Connectivity and Concentration Fluctuations. Macromolecules, 2003, 36, 7280-7288.	2.2	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, .	1.1	73
34	Secondary and Segmental Relaxation in Polybutadienes of Varying Microstructure:Â Dielectric Relaxation Results. Macromolecules, 1996, 29, 129-134.	2.2	72
35	Accelerated physical aging in PMMA/silica nanocomposites. Soft Matter, 2010, 6, 3306.	1.2	72
36	Single-chain nanoparticles: opportunities provided by internal and external confinement. Materials Horizons, 2020, 7, 2292-2313.	6.4	72

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37	Quantum Rotational Tunneling of Methyl Groups in Polymers. Physical Review Letters, 1998, 80, 2350-2353.	2.9	70
38	Role of Temperature and Pressure on the Multisensitive Multiferroic Dicyanamide Framework [TPrA][Mn(dca)‹sub›3‹/sub›] with Perovskite-like Structure. Inorganic Chemistry, 2015, 54, 11680-11687.	1.9	70
39	Quantitative Study of Chain Connectivity Inducing Effective Glass Transition Temperatures in Miscible Polymer Blends. Macromolecules, 2002, 35, 5587-5590.	2.2	67
40	Study of the Two-Component Segmental Dynamics of Poly(vinylethylene)/Polyisoprene Miscible Blends. Macromolecules, 1997, 30, 597-604.	2.2	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.	2.2	66
42	Route to calculate the length scale for the glass transition in polymers. Physical Review E, 2007, 76, 011514.	0.8	65
43	Dielectric relaxation of polymers: segmental dynamics under structural constraints. Soft Matter, 2016, 12, 7709-7725.	1.2	64
44	Enthalpy Recovery of PMMA/Silica Nanocomposites. Macromolecules, 2010, 43, 7594-7603.	2.2	63
45	Enhanced physical aging of polymer nanocomposites: The key role of the area to volume ratio. Polymer, 2012, 53, 1362-1372.	1.8	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.	1.1	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.	1.2	62
48	Free volume holes diffusion to describe physical aging in poly(mehtyl methacrylate)/silica nanocomposites. Journal of Chemical Physics, 2011, 135, 014901.	1.2	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.	2.4	61
50	Dynamics of Water Absorbed in Polyamides. Macromolecules, 2012, 45, 1676-1687.	2.2	61
51	Molecular dynamics of fully biobased poly(butylene 2,5-furanoate) as revealed by broadband dielectric spectroscopy. Polymer, 2017, 128, 24-30.	1.8	58
52	Relationship between dynamics and thermodynamics in glass-forming polymers. Europhysics Letters, 2005, 70, 614-620.	0.7	57
53	Broadband dielectric investigation on poly(vinyl pyrrolidone) and its water mixtures. Journal of Chemical Physics, 2008, 128, 044901.	1.2	57
54	Hydration and Dynamic State of Nanoconfined Polymer Layers Govern Toughness in Nacreâ€mimetic Nanocomposites. Advanced Materials, 2013, 25, 5055-5059.	11.1	57

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55	Multiple phase and dielectric transitions on a novel multi-sensitive [TPrA][M(dca)₃] (M:) Tj ETQq1 1 0.784314 rgBT /Ove Journal of Materials Chemistry C, 2016, 4, 4889-4898.	2.7	57
56	Dielectric spectroscopy in the GHz region on fully hydrated zwitterionic amino acids. Physical Chemistry Chemical Physics, 2012, 14, 11352.	1.3	56
57	Differences between Isotropic and Self-Nucleated PCL Melts Detected by Dielectric Experiments. Macromolecules, 2018, 51, 3663-3671.	2.2	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.	2.9	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.	1.1	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.	1.5	54
61	Methyl Group Dynamics in Poly(vinyl acetate):â€‰ A Neutron Scattering Study. Macromolecules, 1998, 31, 3985-3993.	2.2	54
62	Nanodielectric mapping of a model polystyrene-poly(vinyl acetate) blend by electrostatic force microscopy. Physical Review E, 2010, 81, 010801.	0.8	53
63	Detailed correspondences between dielectric and mechanical relaxations in poly(vinylethylene). Macromolecules, 1994, 27, 407-410.	2.2	52
64	Combining configurational entropy and self-concentration to describe the component dynamics in miscible polymer blends. Journal of Chemical Physics, 2005, 123, 144908.	1.2	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.	1.5	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.	2.2	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.	0.7	50
68	Dielectric investigation of the temperature dependence of the nonexponentiality of the dynamics of polymer melts. Physical Review E, 1999, 59, 6888-6895.	0.8	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.	2.2	49
70	Effect of hydration on the dielectric properties of C-S-H gel. Journal of Chemical Physics, 2011, 134, 034509.	1.2	49
71	Imaging dielectric relaxation in nanostructured polymers by frequency modulation electrostatic force microscopy. Applied Physics Letters, 2010, 96, 213110.	1.5	47
72	Heterogeneity of the Segmental Dynamics of Poly(dimethylsiloxane) in a Diblock Lamellar Mesophase:Â Dielectric Relaxation Investigations. Macromolecules, 2004, 37, 7808-7817.	2.2	46

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73	Polymers under extreme two-dimensional confinement: Poly(ethylene oxide) in graphite oxide. Soft Matter, 2011, 7, 7173.	1.2	46
74	Investigation of Water Diffusion Mechanisms in Relation to Polymer Relaxations in Polyamides. Macromolecules, 2015, 48, 5730-5741.	2.2	46
75	Switching in Al-As-Te glass system. Journal of Non-Crystalline Solids, 1983, 58, 17-25.	1.5	45
76	New secondary relaxation in polymeric glasses: A possible common feature of the glassy state. Physical Review B, 1987, 35, 3995-4000.	1.1	45
77	Single Component Dynamics in Miscible Poly(vinyl methyl ether)/Polystyrene Blends under Hydrostatic Pressure. Macromolecules, 2007, 40, 3246-3255.	2.2	45
78	Reaching the ideal glass transition by aging polymer films. Physical Chemistry Chemical Physics, 2017, 19, 961-965.	1.3	44
79	A thermodynamic approach to the fragility of glass-forming polymers. Journal of Chemical Physics, 2006, 124, 024906.	1.2	43
80	Segmental and Normal Mode Relaxation of Poly(alkylene oxide)s Studied by Dielectric Spectroscopy and Rheology. Macromolecules, 2010, 43, 4968-4977.	2.2	43
81	Temperatureâ^'Pressure Equivalence for the Component Segmental Dynamics of a Miscible Polymer Blend. Macromolecules, 2002, 35, 2030-2035.	2.2	42
82	Dynamics of Amorphous and Semicrystalline 1,4-trans-Poly(isoprene) by Dielectric Spectroscopy. Macromolecules, 2008, 41, 8669-8676.	2.2	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.	1.8	42
84	Non-Debye dielectric relaxation around the liquid-glass transition of a glass-forming polymer. Physical Review B, 1993, 47, 14857-14865.	1.1	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.	2.2	41
86	Two-Dimensional Subnanometer Confinement of Ethylene Glycol and Poly(ethylene oxide) by Neutron Spectroscopy: Molecular Size Effects. Macromolecules, 2012, 45, 3137-3144.	2.2	41
87	On the interpretation of the TSDC results in the study of the Î±-relaxation of amorphous polymers. Polymer, 1996, 37, 2915-2923.	1.8	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.	2.3	38
89	On the temperature dependence of the nonexponentiality in glass-forming liquids. Journal of Chemical Physics, 2009, 130, 124902.	1.2	36
90	A new method for obtaining distributions of relaxation times from frequency relaxation spectra. Journal of Chemical Physics, 1995, 103, 798-806.	1.2	35

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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.	2.2	35
92	Physical aging in PMMA/silica nanocomposites: Enthalpy and dielectric relaxation. Journal of Non-Crystalline Solids, 2011, 357, 605-609.	1.5	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.	2.2	35
94	Depercolation of aggregates upon polymer grafting in simplified industrial nanocomposites studied with dielectric spectroscopy. Polymer, 2015, 73, 131-138.	1.8	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.	2.2	34
96	Time dependence of the segmental relaxation time of poly(vinyl acetate)-silica nanocomposites. Physical Review E, 2012, 86, 041501.	0.8	34
97	The Complex Amorphous Phase in Poly(butylene succinate-ran-butylene azelate) Isodimorphic Copolyesters. Macromolecules, 2017, 50, 1569-1578.	2.2	34
98	Reconfigurable artificial microswimmers with internal feedback. Nature Communications, 2021, 12, 4762.	5.8	34
99	Methyl Group Dynamics in Poly(methyl methacrylate):â€‰ From Quantum Tunneling to Classical Hopping. Macromolecules, 2001, 34, 4886-4896.	2.2	33
100	Heterogeneous structure of poly(vinyl chloride) as the origin of anomalous dynamical behavior. Journal of Chemical Physics, 2002, 117, 1336-1350.	1.2	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.	1.2	33
102	Complex nonequilibrium dynamics of stacked polystyrene films deep in the glassy state. Journal of Chemical Physics, 2017, 146, 203312.	1.2	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.	2.2	32
104	Thermal Stability of Polymers Confined in Graphite Oxide. Macromolecules, 2013, 46, 1890-1898.	2.2	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.	1.2	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.	1.5	30
107	Pressureâ^'Temperature Dependence of Polymer Segmental Dynamics. Comparison between the Adamâ^'Gibbs Approach and Density Scalings. Macromolecules, 2006, 39, 3931-3938.	2.2	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.	2.4	29

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109	On the Molecular Motions Originating from the Dielectric Î³-Relaxation of Bisphenol-A Polycarbonate. Macromolecules, 2006, 39, 2691-2699.	2.2	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.	1.5	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.	2.2	29
112	Zwitterionic Ring-Opening Copolymerization of Tetrahydrofuran and Glycidyl Phenyl Ether with B(C₆F₅)₃. Macromolecules, 2015, 48, 1664-1672.	2.2	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.	1.2	28
114	Self-Concentration and Interfacial Fluctuation Effects on the Local Segmental Dynamics of Nanostructured Diblock Copolymer Melts. Macromolecules, 2008, 41, 511-514.	2.2	28
115	Polyitaconates: A New Family of â€œAll-Polymerâ€•Dielectrics. ACS Applied Materials & Interfaces, 2018, 10, 38476-38492.	4.0	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.	0.7	27
117	Thermally stimulated depolarization current (TSDC) study of molecular motions in the glass-transition region of polyarylate (PAr). Polymer, 1986, 27, 1771-1776.	1.8	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.	1.5	27
119	Isotope effect on the rotational tunneling transitions of methyl groups in glassy polymers. Physical Review B, 1999, 59, 5983-5986.	1.1	27
120	Physical aging of poly(vinyl acetate). A thermally stimulated depolarization current investigation. Journal of Non-Crystalline Solids, 2001, 287, 237-241.	1.5	27
121	On the empirical functions describing the Î±-relaxation of glass-forming systems. Journal of Non-Crystalline Solids, 2001, 287, 246-251.	1.5	27
122	Sub-Tg dynamics in polycarbonate by neutron scattering and its relation with secondary Î³ relaxation. Journal of Chemical Physics, 2005, 123, 014907.	1.2	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.	1.5	25
124	Rouse-Model-Based Description of the Dielectric Relaxation of Nonentangled Linear 1,4-cis-Polyisoprene. Macromolecules, 2009, 42, 8492-8499.	2.2	25
125	Broadband nanodielectric spectroscopy by means of amplitude modulation electrostatic force microscopy (AM-EFM). Ultramicroscopy, 2011, 111, 1366-1369.	0.8	25
126	Polymer Chain Dynamics: Evidence of Nonexponential Mode Relaxation Using Thermally Stimulated Depolarization Current Techniques. Physical Review Letters, 2014, 113, 078302.	2.9	25

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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.	1.3	25
128	Dielectric spectroscopy of ionic microgel suspensions. Soft Matter, 2016, 12, 9705-9727.	1.2	25
129	Dynamics of confined water in different environments. European Physical Journal: Special Topics, 2007, 141, 49-52.	1.2	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.	2.2	24
131	Broadband Dielectric Spectroscopy Study of Biobased Poly(alkylene 2,5-furanoate)sâ€™ Molecular Dynamics. Polymers, 2020, 12, 1355.	2.0	24
132	Describing the component dynamics in miscible polymer blends: Towards a fully predictive model. Journal of Chemical Physics, 2006, 124, 154904.	1.2	23
133	Dielectric relaxation of polychlorinated biphenyl/toluene mixtures: Component dynamics. Journal of Chemical Physics, 2008, 128, 224508.	1.2	23
134	Polymer Dynamics of Well-Defined, Chain-End-Functionalized Polystyrenes by Dielectric Spectroscopy. Macromolecules, 2009, 42, 8875-8881.	2.2	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.	2.2	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.	1.2	22
137	Dielectric Relaxations in Poly(glycidyl phenyl ether): Effects of Microstructure and Cyclic Topology. Macromolecules, 2016, 49, 1060-1069.	2.2	22
138	On the non-exponentiality of the dielectric Debye-like relaxation of monoalcohols. Journal of Chemical Physics, 2017, 146, 114502.	1.2	22
139	High Lithium Conductivity of Miscible Poly(ethylene oxide)/Methacrylic Sulfonamide Anionic Polyelectrolyte Polymer Blends. Macromolecules, 2020, 53, 4442-4453.	2.2	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.	1.2	20
142	Phenylene ring dynamics in bisphenol-A-polysulfone by neutron scattering. Journal of Chemical Physics, 2004, 120, 423-436.	1.2	20
143	Dielectric relaxations in ribose and deoxyribose supercooled water solutions. Journal of Chemical Physics, 2009, 131, 085102.	1.2	20
144	Nanoscale dielectric properties of insulating thin films: From single point measurements to quantitative images. Ultramicroscopy, 2010, 110, 634-638.	0.8	20

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145	Anomalous molecular weight dependence of chain dynamics in unentangled polymer blends with strong dynamic asymmetry. Soft Matter, 2012, 8, 3739.	1.2	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.	2.6	20
147	Miscibility and dielectric Î±-relaxation of PECH/PVME polymer blends. Journal of Non-Crystalline Solids, 1994, 172-174, 961-965.	1.5	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.	1.5	19
149	Positron-annihilation-lifetime response and broadband dielectric relaxation spectroscopy: Diethyl phthalate. Physical Review E, 2007, 76, 031503.	0.8	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.	1.2	19
151	Dynamic study of polystyrene-block-poly(4-vinylpyridine) copolymer in bulk and confined in cylindrical nanopores. Polymer, 2014, 55, 4057-4066.	1.8	19
152	Multimodal character of shear viscosity response in hydrogen bonded liquids. Physical Chemistry Chemical Physics, 2018, 20, 27758-27765.	1.3	19
153	Dielectric properties of polyarylate (PAr) around the glass transition. Polymer, 1985, 26, 913-917.	1.8	18
154	Numerical study of the lateral resolution in electrostatic force microscopy for dielectric samples. Nanotechnology, 2011, 22, 285705.	1.3	18
155	Evidence of Nanostructure Development from the Molecular Dynamics of Poly(pentamethylene) Tj ETQq1 1 0.784314 rgBT /Overlock	2.2	18
156	How Does Microstructural Design Affect the Dynamics and Rheology of Segmented Polyurethanes?. Macromolecules, 2020, 53, 5381-5398.	2.2	18
157	Plasticizer effect on the dynamics of polyvinylchloride studied by dielectric spectroscopy and quasielastic neutron scattering. Journal of Chemical Physics, 2006, 125, 154904.	1.2	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.	0.8	17
159	Dynamical heterogeneity in binary mixtures of low-molecular-weight glass formers. Physical Review E, 2009, 80, 041505.	0.8	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.	1.1	17
161	Comparison of Calorimetric and Dielectric Single Component Glass Transitions in PtBSâ^'PI Blends. Macromolecules, 2010, 43, 6406-6413.	2.2	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.	1.2	17

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163	Unexpected PDMS Behavior in Segregated Cylindrical and Spherical Nanophases of PSâ€“PDMS Asymmetric Diblock Copolymers. Macromolecules, 2012, 45, 491-502.	2.2	17
164	Mesoscale Dynamics in Melts of Single-Chain Polymeric Nanoparticles. Macromolecules, 2019, 52, 6935-6942.	2.2	17
165	Poly(alkylene 2,5-furanoate)s thin films: Morphology, crystallinity and nanomechanical properties. Polymer, 2020, 204, 122825.	1.8	17
166	Self-confined polymer dynamics in miscible binary blends. European Physical Journal E, 2003, 12, 127-130.	0.7	16
167	The dynamical behavior of hydrated glutathione: a model for proteinâ€“water interactions. Physical Chemistry Chemical Physics, 2010, 12, 10512.	1.3	16
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