Angel Alegria

List of Publications by Year
in descending order

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Version: 2024-02-01

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	Preparation and characterization of nonâ€vulcanized natural rubberâ€based cocoa pod husk composites. Journal of Applied Polymer Science, 2022, 139, 51464.	1.3	2
2	Intra- vs Intermolecular Cross-Links in Poly(methyl methacrylate) Networks Containing Enamine Bonds. Macromolecules, 2022, 55, 3627-3636.	2.2	3
3	Fabrication and nanoscale properties of PEDOT:PSS conducting polymer nanospheres. Soft Matter, 2022, 18, 4554-4564.	1.2	1
4	Gold nanoparticles endowed with low-temperature colloidal stability by cyclic polyethylene glycol in ethanol. Soft Matter, 2021, 17, 7792-7801.	1.2	7
5	Non-Einstein Rheology in Segmented Polyurethane Nanocomposites. Macromolecules, 2021, 54, 2783-2796.	2.2	4
6	Phase Transitions in Poly(vinylidene fluoride)/Polymethylene-Based Diblock Copolymers and Blends. Polymers, 2021, 13, 2442.	2.0	8
7	Reconfigurable artificial microswimmers with internal feedback. Nature Communications, 2021, 12, 4762.	5.8	34
8	Rheological and thermal properties of purified raw natural rubber. Journal of Rubber Research (Kuala) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.4	1
9	Poly(ethylene oxide) Melt Intercalation in Graphite Oxide: Sensitivity to Topology, Cyclic versus Linear Chains. Macromolecules, 2020, 53, 406-416.	2.2	8
10	Modeling the high frequency mechanical relaxation of simplified industrial polymer mixtures using dielectric relaxation results. Polymer, 2020, 187, 122051.	1.8	6
11	Water dynamics and self-assembly of single-chain nanoparticles in concentrated solutions. Soft Matter, 2020, 16, 9738-9745.	1.2	4
12	Effect of Paclitaxel in the Water Dynamics of MCF-7 Breast Cancer Cells Revealed by Dielectric Spectroscopy. ACS Omega, 2020, 5, 18602-18607.	1.6	4
13	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.	2.2	9
14	Poly(alkylene 2,5-furanoate)s thin films: Morphology, crystallinity and nanomechanical properties. Polymer, 2020, 204, 122825.	1.8	17
15	Increasing the temperature range of dipolar glass polymers through copolymerization: A first approach to dipolar glass copolymers. Polymer, 2020, 203, 122765.	1.8	9
16	Concentration Fluctuations and Nanosegregation in a Simplified Industrial Blend with Large Dynamic Asymmetry. Macromolecules, 2020, 53, 7150-7160.	2.2	6
17	Partition of Coating Agents between Nanoparticle Interfaces and the Polymer in Nanocomposites. Macromolecules, 2020, 53, 8083-8094.	2.2	2
18	Evidence of Nanostructure Development from the Molecular Dynamics of Poly(pentamethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	2.2	18

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19	Signature of hydrogen bonding association in the dielectric signal of polyalcohols. Journal of Molecular Liquids, 2020, 318, 114215.	2.3	4
20	High Lithium Conductivity of Miscible Poly(ethylene oxide)/Methacrylic Sulfonamide Anionic Polyelectrolyte Polymer Blends. Macromolecules, 2020, 53, 4442-4453.	2.2	22
21	How Does Microstructural Design Affect the Dynamics and Rheology of Segmented Polyurethanes?. Macromolecules, 2020, 53, 5381-5398.	2.2	18
22	Insights into the non-exponential behavior of the dielectric Debye-like relaxation in monoalcohols. Journal of Molecular Liquids, 2020, 312, 113441.	2.3	8
23	Resolving Segmental Polymer Dynamics in Nanocomposites by Incoherent Neutron Spinâ€“Echo Spectroscopy. ACS Macro Letters, 2020, 9, 910-916.	2.3	9
24	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.	1.2	8
25	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.	2.0	7
26	Broadband Dielectric Spectroscopy Study of Biobased Poly(alkylene 2,5-furanoate)sâ€™ Molecular Dynamics. Polymers, 2020, 12, 1355.	2.0	24
27	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.	2.2	8
28	Single-chain nanoparticles: opportunities provided by internal and external confinement. Materials Horizons, 2020, 7, 2292-2313.	6.4	72
29	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.	0.7	4
30	Direct Observation of Dynamic Tube Dilation in Entangled Polymer Blends: A Combination of Neutron Scattering and Dielectric Techniques. Physical Review Letters, 2019, 123, 187802.	2.9	8
31	How Confinement Affects the Nucleation, Crystallization, and Dielectric Relaxation of Poly(butylene) Tj ETQq1 1 0.784314 rgBT /Over 2019, 35, 15168-15179.	1.6	15
32	Glassy Dynamics of an All-Polymer Nanocomposite Based on Polystyrene Single-Chain Nanoparticles. Macromolecules, 2019, 52, 6868-6877.	2.2	13
33	Mesoscale Dynamics in Melts of Single-Chain Polymeric Nanoparticles. Macromolecules, 2019, 52, 6935-6942.	2.2	17
34	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.	3.9	5
35	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.	2.0	8
36	New poly(itaconate)s with bulky pendant groups as candidates for â€œall-polymerâ€•dielectrics. Reactive and Functional Polymers, 2019, 140, 1-13.	2.0	10

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37	Facile Access to Completely Deuterated Singleâ€Chain Nanoparticles Enabled by Intramolecular Azide Photodecomposition. Macromolecular Rapid Communications, 2019, 40, 1900046.	2.0	15
38	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	2.2	4
39	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
40	Differences between Isotropic and Self-Nucleated PCL Melts Detected by Dielectric Experiments. Macromolecules, 2018, 51, 3663-3671.	2.2	56
41	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.	2.2	16
42	Effect of hydrogen bonding on the physicochemical and rheological features of chemically modified phenoxy. Polymer, 2018, 159, 12-22.	1.8	7
43	Polyitaconates: A New Family of â€œAll-Polymerâ€•Dielectrics. ACS Applied Materials & Interfaces, 2018, 10, 38476-38492.	4.0	28
44	Multimodal character of shear viscosity response in hydrogen bonded liquids. Physical Chemistry Chemical Physics, 2018, 20, 27758-27765.	1.3	19
45	Applying Polymer Blend Dynamics Concepts to a Simplified Industrial System. A Combined Effort by Dielectric Spectroscopy and Neutron Scattering. Macromolecules, 2018, 51, 6692-6706.	2.2	11
46	The Complex Amorphous Phase in Poly(butylene succinate-ran-butylene azelate) Isodimorphic Copolyesters. Macromolecules, 2017, 50, 1569-1578.	2.2	34
47	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
48	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.	1.3	9
49	On the non-exponentiality of the dielectric Debye-like relaxation of monoalcohols. Journal of Chemical Physics, 2017, 146, 114502.	1.2	22
50	Complex nonequilibrium dynamics of stacked polystyrene films deep in the glassy state. Journal of Chemical Physics, 2017, 146, 203312.	1.2	33
51	Reaching the ideal glass transition by aging polymer films. Physical Chemistry Chemical Physics, 2017, 19, 961-965.	1.3	44
52	Supramolecular Self-Assembly of Monocarboxydecyl-Terminated Dimethylsiloxane Oligomer. Macromolecules, 2017, 50, 8688-8697.	2.2	7
53	Molecular dynamics of fully biobased poly(butylene 2,5-furanoate) as revealed by broadband dielectric spectroscopy. Polymer, 2017, 128, 24-30.	1.8	58
54	Ionic transport in the amorphous phase of semicrystalline polyethylene oxide thin films. Soft Matter, 2017, 13, 5597-5603.	1.2	8

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55	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.	1.3	7
56	Cooling Rate Dependent Glass Transition in Thin Polymer Films and in Bulk. , 2016, , 403-431.		21
57	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.	1.2	5
58	Dielectric relaxation analysis of hybrid acrylicâ€“polyurethane gels. Materials Today Communications, 2016, 8, 100-107.	0.9	1
59	Dynamics and Structure of Poly(ethylene oxide) Intercalated in the Nanopores of Resorcinolâ€“Formaldehyde Resin Nanoparticles. Macromolecules, 2016, 49, 5704-5713.	2.2	8
60	Dielectric relaxation of polymers: segmental dynamics under structural constraints. Soft Matter, 2016, 12, 7709-7725.	1.2	64
61	An unexpected route to aldehyde-decorated single-chain nanoparticles from azides. Polymer Chemistry, 2016, 7, 6570-6574.	1.9	12
62	Multiple phase and dielectric transitions on a novel multi-sensitive [TPrA][M(dca)₃] (M:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Journal of Materials Chemistry C, 2016, 4, 4889-4898.	2.7	57
63	Dielectric spectroscopy of ionic microgel suspensions. Soft Matter, 2016, 12, 9705-9727.	1.2	25
64	Network dynamics in nanofilled polymers. Nature Communications, 2016, 7, 11368.	5.8	180
65	A Useful Methodology for Determining the Compaction Degree of Singleâ€Chain Nanoparticles by Conventional SEC. Particle and Particle Systems Characterization, 2016, 33, 373-381.	1.2	10
66	Dielectric Relaxations in Poly(glycidyl phenyl ether): Effects of Microstructure and Cyclic Topology. Macromolecules, 2016, 49, 1060-1069.	2.2	22
67	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
68	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.	1.2	4
69	Zwitterionic Ring-Opening Copolymerization of Tetrahydrofuran and Glycidyl Phenyl Ether with B(C₆F₅)₃. Macromolecules, 2015, 48, 1664-1672.	2.2	29
70	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.	1.9	70
71	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
72	Dielectric relaxations of Acrylic-Polyurethane hybrid materials. Polymer, 2015, 74, 21-29.	1.8	10

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73	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.	2.2	16
74	Dielectric relaxation of 2-ethyl-1-hexanol around the glass transition by thermally stimulated depolarization currents. Journal of Chemical Physics, 2015, 142, 214504.	1.2	15
75	Depercolation of aggregates upon polymer grafting in simplified industrial nanocomposites studied with dielectric spectroscopy. Polymer, 2015, 73, 131-138.	1.8	35
76	Investigation of Water Diffusion Mechanisms in Relation to Polymer Relaxations in Polyamides. Macromolecules, 2015, 48, 5730-5741.	2.2	46
77	Intercalation and Confinement of Poly(ethylene oxide) in Porous Carbon Nanoparticles with Controlled Morphologies. Macromolecules, 2014, 47, 8729-8737.	2.2	12
78	Polymer Chain Dynamics: Evidence of Nonexponential Mode Relaxation Using Thermally Stimulated Depolarization Current Techniques. Physical Review Letters, 2014, 113, 078302.	2.9	25
79	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.	2.3	12
80	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
81	Dielectric spectroscopy at the nanoscale by atomic force microscopy: A simple model linking materials properties and experimental response. Journal of Applied Physics, 2014, 115, .	1.1	15
82	Component dynamics in nanostructured PI-PDMS diblock copolymers with PI segregated in lamellas, cylinders, and spheres. Colloid and Polymer Science, 2014, 292, 1863-1876.	1.0	13
83	AFM based dielectric spectroscopy: Extended frequency range through excitation of cantilever higher eigenmodes. Ultramicroscopy, 2014, 146, 55-61.	0.8	9
84	Dynamic study of polystyrene-block-poly(4-vinylpyridine) copolymer in bulk and confined in cylindrical nanopores. Polymer, 2014, 55, 4057-4066.	1.8	19
85	Thermal Stability of Polymers Confined in Graphite Oxide. Macromolecules, 2013, 46, 1890-1898.	2.2	32
86	Direct Evidence of Two Equilibration Mechanisms in Glassy Polymers. Physical Review Letters, 2013, 111, 095701.	2.9	166
87	Physical aging in polymers and polymer nanocomposites: recent results and open questions. Soft Matter, 2013, 9, 8619.	1.2	206
88	Confinement of poly(ethylene oxide) in the nanometer-scale pores of resins and carbon nanoparticles. Soft Matter, 2013, 9, 10960.	1.2	13
89	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
90	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.	2.2	11

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91	End-to-End Vector Dynamics of Nonentangled Polymers in Lamellar Block Copolymer Melts: The Role of Junction Point Motion. Macromolecules, 2013, 46, 7477-7487.	2.2	11
92	Hydration and Dynamic State of Nanoconfined Polymer Layers Govern Toughness in Nacreâ€mimetic Nanocomposites. Advanced Materials, 2013, 25, 5055-5059.	11.1	57
93	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
94	Volume recovery of polystyrene/silica nanocomposites. Journal of Polymer Science, Part B: Polymer Physics, 2013, 51, 847-853.	2.4	15
95	Time dependence of the segmental relaxation time of poly(vinyl acetate)-silica nanocomposites. Physical Review E, 2012, 86, 041501.	0.8	34
96	Three-dimensional tomography of single charge inside dielectric materials using electrostatic force microscopy. Materials Research Society Symposia Proceedings, 2012, 1421, 1.	0.1	2
97	Anomalous molecular weight dependence of chain dynamics in unentangled polymer blends with strong dynamic asymmetry. Soft Matter, 2012, 8, 3739.	1.2	20
98	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
99	Dynamical behavior of highly concentrated trehalose water solutions: a dielectric spectroscopy study. Physical Chemistry Chemical Physics, 2012, 14, 2991.	1.3	9
100	Tg depression and invariant segmental dynamics in polystyrene thin films. Soft Matter, 2012, 8, 5119.	1.2	173
101	Easy-dispersible poly(glycidyl phenyl ether)-functionalized graphene sheets obtained by reaction of â€œlivingâ€•anionic polymer chains. Chemical Communications, 2012, 48, 2618.	2.2	12
102	Dielectric spectroscopy in the GHz region on fully hydrated zwitterionic amino acids. Physical Chemistry Chemical Physics, 2012, 14, 11352.	1.3	56
103	Enthalpy Recovery in Nanometer to Micrometer Thick Polystyrene Films. Macromolecules, 2012, 45, 5296-5306.	2.2	86
104	Unexpected PDMS Behavior in Segregated Cylindrical and Spherical Nanophases of PSâ€“PDMS Asymmetric Diblock Copolymers. Macromolecules, 2012, 45, 491-502.	2.2	17
105	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
106	Dynamics of Water Absorbed in Polyamides. Macromolecules, 2012, 45, 1676-1687.	2.2	61
107	Positron annihilation and relaxation dynamics from dielectric spectroscopy: poly(vinylmethylether). Journal of Physics Condensed Matter, 2012, 24, 155104.	0.7	13
108	Enhanced physical aging of polymer nanocomposites: The key role of the area to volume ratio. Polymer, 2012, 53, 1362-1372.	1.8	63

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109	Enthalpy Recovery of Glassy Polymers: Dramatic Deviations from the Extrapolated Liquidlike Behavior. Macromolecules, 2011, 44, 8333-8342.	2.2	95
110	Site-Dependent Segmental Dynamics Revealed Using Broadband Dielectric Spectroscopy on Well-Defined Functionalized Polystyrenes. Macromolecules, 2011, 44, 7810-7819.	2.2	9
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	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
113	Contrast inversion in electrostatic force microscopy imaging of trapped charges: tipâ€“sample distance and dielectric constant dependence. Nanotechnology, 2011, 22, 345702.	1.3	10
114	Physical aging of polystyrene/gold nanocomposites and its relation to the calorimetric Tg depression. Soft Matter, 2011, 7, 3607.	1.2	89
115	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
116	Physical aging in PMMA/silica nanocomposites: Enthalpy and dielectric relaxation. Journal of Non-Crystalline Solids, 2011, 357, 605-609.	1.5	35
117	Polymers under extreme two-dimensional confinement: Poly(ethylene oxide) in graphite oxide. Soft Matter, 2011, 7, 7173.	1.2	46
118	Revisiting the effects of organic solvents on the thermal reduction of graphite oxide. Thermochimica Acta, 2011, 526, 65-71.	1.2	10
119	Broadband nanodielectric spectroscopy by means of amplitude modulation electrostatic force microscopy (AM-EFM). Ultramicroscopy, 2011, 111, 1366-1369.	0.8	25
120	Broadband dielectric spectroscopy and calorimetric investigations of d-lyxose. Carbohydrate Research, 2011, 346, 2165-2172.	1.1	10
121	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.	2.4	5
122	Broadband Dielectric Spectroscopic, Calorimetric, and FTIRâ€ATR Investigations of <scp>D</scp>â€Arabinose Aqueous Solutions. ChemPhysChem, 2011, 12, 3624-3633.	1.0	9
123	On the use of electrostatic force microscopy as a quantitative subsurface characterization technique: A numerical study. Applied Physics Letters, 2011, 99, 023101.	1.5	16
124	Numerical study of the lateral resolution in electrostatic force microscopy for dielectric samples. Nanotechnology, 2011, 22, 285705.	1.3	18
125	Determining concentration depth profiles in fluorinated networks by means of electric force microscopy. Journal of Chemical Physics, 2011, 135, 064704.	1.2	4
126	Free volume holes diffusion to describe physical aging in poly(mehtyl methacrylate)/silica nanocomposites. Journal of Chemical Physics, 2011, 135, 014901.	1.2	62

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127	Effect of hydration on the dielectric properties of C-S-H gel. Journal of Chemical Physics, 2011, 134, 034509.	1.2	49
128	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
129	PDMS behaviour under confinement in strongly segregated mesophases of PS-PDMS diblock copolymers. European Physical Journal: Special Topics, 2010, 189, 257-261.	1.2	9
130	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
131	Nanoscale dielectric properties of insulating thin films: From single point measurements to quantitative images. Ultramicroscopy, 2010, 110, 634-638.	0.8	20
132	Permanent adsorption of organic solvents in graphite oxide and its effect on the thermal exfoliation. Carbon, 2010, 48, 1079-1087.	5.4	103
133	Sorption and desorption behavior of water and organic solvents from graphite oxide. Carbon, 2010, 48, 3277-3286.	5.4	97
134	Imaging dielectric relaxation in nanostructured polymers by frequency modulation electrostatic force microscopy. Applied Physics Letters, 2010, 96, 213110.	1.5	47
135	Nanodielectric mapping of a model polystyrene-poly(vinyl acetate) blend by electrostatic force microscopy. Physical Review E, 2010, 81, 010801.	0.8	53
136	Effect of silica particles concentration on the physical aging of PMMAâˆ•silica nanocomposites. AIP Conference Proceedings, 2010, , .	0.3	7
137	Comparison of Calorimetric and Dielectric Single Component Glass Transitions in PtBSâˆ’PI Blends. Macromolecules, 2010, 43, 6406-6413.	2.2	17
138	Enthalpy Recovery of PMMA/Silica Nanocomposites. Macromolecules, 2010, 43, 7594-7603.	2.2	63
139	Segmental and Normal Mode Relaxation of Poly(alkylene oxide)s Studied by Dielectric Spectroscopy and Rheology. Macromolecules, 2010, 43, 4968-4977.	2.2	43
140	Dielectric relaxation of various end-functionalized polystyrenes: Plastification effects versus specific dynamics. Journal of Non-Crystalline Solids, 2010, 356, 676-679.	1.5	12
141	Positron annihilation response and broadband dielectric spectroscopy: Poly(propylene glycol). Journal of Non-Crystalline Solids, 2010, 356, 782-786.	1.5	10
142	Water dynamics in poly(vinyl pyrrolidone)â€“water solution before and after isothermal crystallization. Journal of Non-Crystalline Solids, 2010, 356, 3037-3041.	1.5	12
143	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
144	Dynamics of Water Intercalated in Graphite Oxide. Journal of Physical Chemistry C, 2010, 114, 2604-2612.	1.5	202

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145	Accelerated physical aging in PMMA/silica nanocomposites. Soft Matter, 2010, 6, 3306.	1.2	72
146	The dynamical behavior of hydrated glutathione: a model for proteinâ€“water interactions. Physical Chemistry Chemical Physics, 2010, 12, 10512.	1.3	16
147	Dielectric properties of thin insulating layers measured by Electrostatic Force Microscopy. EPJ Applied Physics, 2010, 50, 10501.	0.3	5
148	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
149	High pressure dynamics of polymer/plasticizer mixtures. Journal of Chemical Physics, 2009, 131, 044906.	1.2	12
150	Dynamical heterogeneity in binary mixtures of low-molecular-weight glass formers. Physical Review E, 2009, 80, 041505.	0.8	17
151	Dielectric relaxations in ribose and deoxyribose supercooled water solutions. Journal of Chemical Physics, 2009, 131, 085102.	1.2	20
152	Rouse-Model-Based Description of the Dielectric Relaxation of Nonentangled Linear 1,4-cis-Polyisoprene. Macromolecules, 2009, 42, 8492-8499.	2.2	25
153	Polymer Dynamics of Well-Defined, Chain-End-Functionalized Polystyrenes by Dielectric Spectroscopy. Macromolecules, 2009, 42, 8875-8881.	2.2	23
154	On the temperature dependence of the nonexponentiality in glass-forming liquids. Journal of Chemical Physics, 2009, 130, 124902.	1.2	36
155	Hydration Water Dynamics in Solutions of Hydrophilic Polymers, Biopolymers and Other Glass Forming Materials by Dielectric Spectroscopy. AIP Conference Proceedings, 2008, , .	0.3	1
156	Dynamics of Amorphous and Semicrystalline 1,4-trans-Poly(isoprene) by Dielectric Spectroscopy. Macromolecules, 2008, 41, 8669-8676.	2.2	42
157	Miscible Polymer Blends with Large Dynamical Asymmetry:â€‰ A New Class of Solid-State Electrolytes?. Macromolecules, 2008, 41, 1565-1569.	2.2	7
158	Dynamical and Structural Aspects of the Cold Crystallization of Poly(dimethylsiloxane) (PDMS). Macromolecules, 2008, 41, 1364-1376.	2.2	94
159	Self-Concentration and Interfacial Fluctuation Effects on the Local Segmental Dynamics of Nanostructured Diblock Copolymer Melts. Macromolecules, 2008, 41, 511-514.	2.2	28
160	Broadband dielectric investigation on poly(vinyl pyrrolidone) and its water mixtures. Journal of Chemical Physics, 2008, 128, 044901.	1.2	57
161	Dielectric relaxation of polychlorinated biphenyl/toluene mixtures: Component dynamics. Journal of Chemical Physics, 2008, 128, 224508.	1.2	23
162	Comment on â€œVibrational and configurational parts of the specific heat at glass formationâ€• Physical Review B, 2008, 78, .	1.1	4

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163	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
164	Effect of stretching on the sub-Tgphenylene-ring dynamics of polycarbonate by neutron scattering. Physical Review E, 2008, 78, 021801.	0.8	7
165	Adam-Gibbs based model to describe the single component dynamics in miscible polymer blends under hydrostatic pressure. Journal of Chemical Physics, 2007, 127, 154907.	1.2	14
166	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
167	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
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