

Juan Colmenero

List of Publications by Year in descending order

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437
papers

15,908
citations

15504

65
h-index

32842

100
g-index

440
all docs

440
docs citations

440
times ranked

7681
citing authors

#	ARTICLE	IF	CITATIONS
1	Relationship between the time-domain Kohlrausch-Williams-Watts and frequency-domain Havriliak-Negami relaxation functions. <i>Physical Review B</i> , 1991, 44, 7306-7312.	3.2	632
2	Merging of the $\hat{\Gamma}_{\pm}$ and $\hat{\Gamma}^2$ relaxations in polybutadiene: A neutron spin echo and dielectric study. <i>Physical Review E</i> , 1996, 54, 3853-3869.	2.1	257
3	Physical aging in polymers and polymer nanocomposites: recent results and open questions. <i>Soft Matter</i> , 2013, 9, 8619.	2.7	206
4	Interconnection between frequency-domain Havriliak-Negami and time-domain Kohlrausch-Williams-Watts relaxation functions. <i>Physical Review B</i> , 1993, 47, 125-130.	3.2	203
5	Dynamics of Water Intercalated in Graphite Oxide. <i>Journal of Physical Chemistry C</i> , 2010, 114, 2604-2612.	3.1	202
6	Crossover from Debye to non-Debye dynamical behavior of the $\hat{\Gamma}_{\pm}$ relaxation observed by quasielastic neutron scattering in a glass-forming polymer. <i>Physical Review Letters</i> , 1993, 71, 2603-2606.	7.8	194
7	Neutron scattering study of the picosecond dynamics of polybutadiene and polyisoprene. <i>Physical Review E</i> , 1995, 52, 781-795.	2.1	192
8	Observation of the Component Dynamics in a Miscible Polymer Blend by Dielectric and Mechanical Spectroscopies. <i>Macromolecules</i> , 1994, 27, 4486-4492.	4.8	186
9	The merging of the dielectric $\hat{\Gamma}_{\pm}$ - and $\hat{\Gamma}^2$ -relaxations in poly-(methyl methacrylate). <i>Journal of Chemical Physics</i> , 1998, 109, 7546-7555.	3.0	176
10	Tg depression and invariant segmental dynamics in polystyrene thin films. <i>Soft Matter</i> , 2012, 8, 5119.	2.7	173
11	Crystallization of Al ₂₃ Te ₇₇ glasses. <i>Journal of Non-Crystalline Solids</i> , 1979, 30, 263-271.	3.1	172
12	Correlation between non-Debye behavior and Qbehavior of the $\hat{\Gamma}_{\pm}$ relaxation in glass-forming polymeric systems. <i>Physical Review Letters</i> , 1992, 69, 478-481.	7.8	169
13	Direct Evidence of Two Equilibration Mechanisms in Glassy Polymers. <i>Physical Review Letters</i> , 2013, 111, 095701.	7.8	166
14	Dynamics of Glass-Forming Polymers: "Homogeneous" versus "Heterogeneous" Scenario. <i>Physical Review Letters</i> , 1998, 81, 590-593.	7.8	160
15	Segmental dynamics in miscible polymer blends: recent results and open questions. <i>Soft Matter</i> , 2007, 3, 1474.	2.7	159
16	Effect of Nanoconfinement on Polymer Dynamics: Surface Layers and Interphases. <i>Physical Review Letters</i> , 2013, 110, 108303.	7.8	154
17	How Far Are Single-Chain Polymer Nanoparticles in Solution from the Globular State?. <i>ACS Macro Letters</i> , 2014, 3, 767-772.	4.8	152
18	Neutron Spin Echo in Polymer Systems. , 2005, , .		142

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19	Effect of Blending on the PVME Dynamics. A Dielectric, NMR, and QENS Investigation. <i>Macromolecules</i> , 1999, 32, 4065-4078.	4.8	134
20	Metallo-Folded Single-Chain Nanoparticles with Catalytic Selectivity. <i>ACS Macro Letters</i> , 2014, 3, 439-443.	4.8	130
21	Endowing Single-Chain Polymer Nanoparticles with Enzyme-Mimetic Activity. <i>ACS Macro Letters</i> , 2013, 2, 775-779.	4.8	129
22	Universal features of water dynamics in solutions of hydrophilic polymers, biopolymers, and small glass-forming materials. <i>Physical Review E</i> , 2008, 77, 031803.	2.1	127
23	Direct Observation of Confined Single Chain Dynamics by Neutron Scattering. <i>Physical Review Letters</i> , 2010, 104, 197801.	7.8	123
24	Effect of nanostructure on the thermal glass transition and physical aging in polymer materials. <i>Progress in Polymer Science</i> , 2016, 54-55, 128-147.	24.7	123
25	Self-motion and the $\hat{\tau}$ relaxation in a simulated glass-forming polymer: Crossover from Gaussian to non-Gaussian dynamic behavior. <i>Physical Review E</i> , 2002, 65, 041804.	2.1	121
26	α -Relaxation in the Glass Transition Range of Amorphous Polymers. 1. Temperature Behavior across the Glass transition. <i>Macromolecules</i> , 1995, 28, 1516-1527.	4.8	120
27	Molecular Motions in Polyisobutylene: A Neutron Spin-Echo and Dielectric Investigation. <i>Macromolecules</i> , 1998, 31, 1133-1143.	4.8	110
28	Effects of losartan on hepatic expression of nonphagocytic NADPH oxidase and fibrogenic genes in patients with chronic hepatitis C. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 297, G726-G734.	3.4	110
29	Michael-Nanocarriers Mimicking Transient-Binding Disordered Proteins. <i>ACS Macro Letters</i> , 2013, 2, 491-495.	4.8	106
30	Dynamics of the $\hat{\tau}$ relaxation of a glass-forming polymeric system: Dielectric, mechanical, nuclear-magnetic-resonance, and neutron-scattering studies. <i>Physical Review B</i> , 1991, 44, 7321-7329.	3.2	104
31	Segmental Dynamics in Poly(vinylethylene)/Polyisoprene Miscible Blends Revisited. A Neutron Scattering and Broad-Band Dielectric Spectroscopy Investigation. <i>Macromolecules</i> , 1999, 32, 7572-7581.	4.8	104
32	Permanent adsorption of organic solvents in graphite oxide and its effect on the thermal exfoliation. <i>Carbon</i> , 2010, 48, 1079-1087.	10.3	103
33	Dielectric Investigation of the Low-Temperature Water Dynamics in the Poly(vinyl methyl ether)/H ₂ O System. <i>Macromolecules</i> , 2005, 38, 7056-7063.	4.8	100
34	Sorption and desorption behavior of water and organic solvents from graphite oxide. <i>Carbon</i> , 2010, 48, 3277-3286.	10.3	97
35	Continuous cooling approximation for the formation of a glass. <i>Journal of Non-Crystalline Solids</i> , 1981, 46, 277-287.	3.1	96
36	Enthalpy Recovery of Glassy Polymers: Dramatic Deviations from the Extrapolated Liquidlike Behavior. <i>Macromolecules</i> , 2011, 44, 8333-8342.	4.8	95

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37	Dynamical and Structural Aspects of the Cold Crystallization of Poly(dimethylsiloxane) (PDMS). <i>Macromolecules</i> , 2008, 41, 1364-1376.	4.8	94
38	Non-Gaussian Nature of the β -Relaxation of Glass-Forming Polyisoprene. <i>Physical Review Letters</i> , 2002, 89, 245701.	7.8	92
39	Dynamics of poly(ethylene oxide) in a blend with poly(methyl methacrylate): A quasielastic neutron scattering and molecular dynamics simulations study. <i>Physical Review E</i> , 2005, 72, 031808.	2.1	92
40	Relaxation scenarios in a mixture of large and small spheres: Dependence on the size disparity. <i>Journal of Chemical Physics</i> , 2006, 125, 164507.	3.0	91
41	Anomalous dynamic arrest in a mixture of large and small particles. <i>Physical Review E</i> , 2006, 74, 021409.	2.1	90
42	Physical aging of polystyrene/gold nanocomposites and its relation to the calorimetric Tg depression. <i>Soft Matter</i> , 2011, 7, 3607.	2.7	89
43	Dielectric Study of Hydration Water in Silica Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2012, 116, 24340-24349.	3.1	89
44	Advantages of Orthogonal Folding of Single Polymer Chains to Soft Nanoparticles. <i>Macromolecules</i> , 2013, 46, 9748-9759.	4.8	89
45	Study of the Dynamic Structure Factor in the β -Relaxation Regime of Polybutadiene. <i>Physical Review Letters</i> , 1996, 76, 1872-1875.	7.8	88
46	Enthalpy Recovery in Nanometer to Micrometer Thick Polystyrene Films. <i>Macromolecules</i> , 2012, 45, 5296-5306.	4.8	86
47	Out of equilibrium dynamics of poly(vinyl methyl ether) segments in miscible poly(styrene)-poly(vinyl methyl ether) blends. <i>Physical Review E</i> , 2007, 75, 031801.	2.1	84
48	Structural Observation and Kinetic Pathway in the Formation of Polymeric Micelles. <i>Physical Review Letters</i> , 2009, 102, 188301.	7.8	84
49	Experimental evidence by neutron scattering of a crossover from Gaussian to non-Gaussian behavior in the β relaxation of polyisoprene. <i>Physical Review E</i> , 2003, 67, 051802.	2.1	82
50	Design and Preparation of Single-Walled Carbon Nanotube Nanocarriers Mimicking Disordered Proteins for Combined Delivery of Dermal Bioactive Cargos. <i>Macromolecular Rapid Communications</i> , 2013, 34, 1681-1686.	3.9	82
51	Intermediate length scale dynamics of polyisobutylene. <i>Physical Review E</i> , 2002, 65, 051803.	2.1	80
52	Methyl Group Dynamics in Poly(vinyl methyl ether). A Rotation Rate Distribution Model. <i>Macromolecules</i> , 1994, 27, 3282-3288.	4.8	78
53	Dielectric relaxation in PMMA revisited. <i>Journal of Non-Crystalline Solids</i> , 1998, 235-237, 580-583.	3.1	78
54	From Rouse dynamics to local relaxation: A neutron spin echo study on polyisobutylene melts. <i>Journal of Chemical Physics</i> , 1999, 111, 6107-6120.	3.0	78

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55	Merging of the Dielectric $\hat{\epsilon}^{\prime}$ and $\hat{\epsilon}^{\prime\prime}$ Relaxations in Glass-Forming Polymers. <i>Macromolecules</i> , 2001, 34, 503-513.	4.8	77
56	Efficient Route to Compact Single-Chain Nanoparticles: Photoactivated Synthesis via Thiol- α -Yne Coupling Reaction. <i>Macromolecules</i> , 2014, 47, 8270-8280.	4.8	77
57	Neutron scattering investigations on methyl group dynamics in polymers. <i>Progress in Polymer Science</i> , 2005, 30, 1147-1184.	24.7	75
58	Segmental Dynamics in Miscible Polymer Blends: Modeling the Combined Effects of Chain Connectivity and Concentration Fluctuations. <i>Macromolecules</i> , 2003, 36, 7280-7288.	4.8	74
59	Determination of the nanoscale dielectric constant by means of a double pass method using electrostatic force microscopy. <i>Journal of Applied Physics</i> , 2009, 106, .	2.5	73
60	Study of the dynamics of poly(ethylene oxide) by combining molecular dynamic simulations and neutron scattering experiments. <i>Journal of Chemical Physics</i> , 2009, 130, 094908.	3.0	73
61	Secondary and Segmental Relaxation in Polybutadienes of Varying Microstructure: Dielectric Relaxation Results. <i>Macromolecules</i> , 1996, 29, 129-134.	4.8	72
62	Accelerated physical aging in PMMA/silica nanocomposites. <i>Soft Matter</i> , 2010, 6, 3306.	2.7	72
63	Single-chain nanoparticles: opportunities provided by internal and external confinement. <i>Materials Horizons</i> , 2020, 7, 2292-2313.	12.2	72
64	Quantum Rotational Tunneling of Methyl Groups in Polymers. <i>Physical Review Letters</i> , 1998, 80, 2350-2353.	7.8	70
65	Crossover from Independent to Cooperative Segmental Dynamics in Polymers: Experimental Realization in Poly(Vinyl Chloride). <i>Physical Review Letters</i> , 1997, 78, 1928-1931.	7.8	69
66	Quantitative Study of Chain Connectivity Inducing Effective Glass Transition Temperatures in Miscible Polymer Blends. <i>Macromolecules</i> , 2002, 35, 5587-5590.	4.8	67
67	Study of the Two-Component Segmental Dynamics of Poly(vinylethylene)/Polyisoprene Miscible Blends. <i>Macromolecules</i> , 1997, 30, 597-604.	4.8	66
68	$\hat{\epsilon}^{\prime}$ -Relaxation in the Glass-Transition Range of Amorphous Polymers. 2. Influence of Physical Aging on the Dielectric Relaxation. <i>Macromolecules</i> , 1997, 30, 3881-3887.	4.8	66
69	A Versatile α -Click Chemistry Precursor of Functional Polystyrene Nanoparticles. <i>Advanced Materials</i> , 2010, 22, 3038-3041.	21.0	66
70	Route to calculate the length scale for the glass transition in polymers. <i>Physical Review E</i> , 2007, 76, 011514.	2.1	65
71	Anomalous relaxation of self-assembled alkyl nanodomains in high-order poly(n-alkyl methacrylates). <i>Soft Matter</i> , 2008, 4, 1792.	2.7	65
72	Dielectric relaxation of polymers: segmental dynamics under structural constraints. <i>Soft Matter</i> , 2016, 12, 7709-7725.	2.7	64

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73	Concentrated Solutions of Single-Chain Nanoparticles: A Simple Model for Intrinsically Disordered Proteins under Crowding Conditions. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 838-844.	4.6	64
74	Enthalpy Recovery of PMMA/Silica Nanocomposites. <i>Macromolecules</i> , 2010, 43, 7594-7603.	4.8	63
75	Enhanced physical aging of polymer nanocomposites: The key role of the area to volume ratio. <i>Polymer</i> , 2012, 53, 1362-1372.	3.8	63
76	Heterogeneous dynamics of poly(vinyl acetate) far above T _g : A combined study by dielectric spectroscopy and quasielastic neutron scattering. <i>Journal of Chemical Physics</i> , 2005, 122, 244909.	3.0	62
77	Neutron scattering study of the dynamics of a polymer melt under nanoscopic confinement. <i>Journal of Chemical Physics</i> , 2009, 131, 174901.	3.0	62
78	Equilibrium Chain Exchange Kinetics of Diblock Copolymer Micelles: Effect of Morphology. <i>Macromolecules</i> , 2011, 44, 6145-6154.	4.8	62
79	Free volume holes diffusion to describe physical aging in poly(methyl methacrylate)/silica nanocomposites. <i>Journal of Chemical Physics</i> , 2011, 135, 014901.	3.0	62
80	Dynamics of Water Absorbed in Polyamides. <i>Macromolecules</i> , 2012, 45, 1676-1687.	4.8	61
81	Origin of Dynamic Heterogeneities in Miscible Polymer Blends: A Quasielastic Neutron Scattering Study. <i>Physical Review Letters</i> , 2000, 85, 772-775.	7.8	59
82	Simulation guided design of globular single-chain nanoparticles by tuning the solvent quality. <i>Soft Matter</i> , 2015, 11, 1369-1375.	2.7	58
83	Relationship between dynamics and thermodynamics in glass-forming polymers. <i>Europhysics Letters</i> , 2005, 70, 614-620.	2.0	57
84	Broadband dielectric investigation on poly(vinyl pyrrolidone) and its water mixtures. <i>Journal of Chemical Physics</i> , 2008, 128, 044901.	3.0	57
85	Dynamic Confinement Effects in Polymer Blends. A Quasielastic Neutron Scattering Study of the Dynamics of Poly(ethylene oxide) in a Blend with Poly(vinyl acetate). <i>Macromolecules</i> , 2006, 39, 3007-3018.	4.8	56
86	Dielectric spectroscopy in the GHz region on fully hydrated zwitterionic amino acids. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 11352.	2.8	56
87	Recent progress on polymer dynamics by neutron scattering: From simple polymers to complex materials. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2013, 51, 87-113.	2.1	56
88	Comment on "Pressure Dependence of Fragile-to-Strong Transition and a Possible Second Critical Point in Supercooled Confined Water". <i>Physical Review Letters</i> , 2006, 97, 189802; discussion 189803.	7.8	55
89	Dielectric Susceptibility of Liquid Water: Microscopic Insights from Coherent and Incoherent Neutron Scattering. <i>Physical Review Letters</i> , 2016, 117, 185501.	7.8	55
90	Study of the τ_1 and τ_2 relaxations on a commercial poly(vinyl chloride) by thermally stimulated creep and depolarization current techniques. <i>Journal of Applied Physics</i> , 1986, 59, 3829-3834.	2.5	54

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91	The dynamics of the \hat{I}_1 - and \hat{I}_2 -relaxations in glass-forming polymers studied by quasielastic neutron scattering and dielectric spectroscopy. <i>Journal of Non-Crystalline Solids</i> , 1994, 172-174, 126-137.	3.1	54
92	Methyl Group Dynamics in Poly(vinyl acetate): A Neutron Scattering Study. <i>Macromolecules</i> , 1998, 31, 3985-3993.	4.8	54
93	Polymer Chain Dynamics in a Random Environment: Heterogeneous Mobilities. <i>Physical Review Letters</i> , 2007, 98, 168301.	7.8	53
94	Nanodielectric mapping of a model polystyrene-poly(vinyl acetate) blend by electrostatic force microscopy. <i>Physical Review E</i> , 2010, 81, 010801.	2.1	53
95	Dynamics in Poly(<i>n</i> -alkyl methacrylates): A Neutron Scattering, Calorimetric, and Dielectric Study. <i>Macromolecules</i> , 2010, 43, 3107-3119.	4.8	53
96	Detailed correspondences between dielectric and mechanical relaxations in poly(vinylethylene). <i>Macromolecules</i> , 1994, 27, 407-410.	4.8	52
97	Combining configurational entropy and self-concentration to describe the component dynamics in miscible polymer blends. <i>Journal of Chemical Physics</i> , 2005, 123, 144908.	3.0	52
98	Kinetic Study of the Graphite Oxide Reduction: Combined Structural and Gravimetric Experiments under Isothermal and Nonisothermal Conditions. <i>Journal of Physical Chemistry C</i> , 2010, 114, 21645-21651.	3.1	52
99	Efficient Synthesis of Single-Chain Globules Mimicking the Morphology and Polymerase Activity of Metalloenzymes. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1592-1597.	3.9	52
100	Interpretation of anomalous momentum transfer dependences of local chain motion of polymers observed by quasielastic incoherent neutron scattering experiments. <i>Macromolecules</i> , 1992, 25, 6727-6729.	4.8	51
101	Inelastic neutron scattering for investigating the dynamics of confined glass-forming liquids. <i>Journal of Non-Crystalline Solids</i> , 2005, 351, 2657-2667.	3.1	51
102	On the origin of the non-exponential behaviour of the α -relaxation in glass-forming polymers: incoherent neutron scattering and dielectric relaxation results. <i>Journal of Physics Condensed Matter</i> , 1999, 11, A363-A370.	1.8	50
103	Dielectric investigation of the temperature dependence of the nonexponentiality of the dynamics of polymer melts. <i>Physical Review E</i> , 1999, 59, 6888-6895.	2.1	50
104	On the Apparent SEC Molecular Weight and Polydispersity Reduction upon Intramolecular Collapse of Polydisperse Chains to Unimolecular Nanoparticles. <i>Macromolecules</i> , 2011, 44, 8644-8649.	4.8	49
105	Effect of hydration on the dielectric properties of C-S-H gel. <i>Journal of Chemical Physics</i> , 2011, 134, 034509.	3.0	49
106	Folding Single Chains to Single-Chain Nanoparticles via Reversible Interactions: What Size Reduction Can One Expect?. <i>Macromolecules</i> , 2017, 50, 1732-1739.	4.8	49
107	Imaging dielectric relaxation in nanostructured polymers by frequency modulation electrostatic force microscopy. <i>Applied Physics Letters</i> , 2010, 96, 213110.	3.3	47
108	Heterogeneity of the Segmental Dynamics of Poly(dimethylsiloxane) in a Diblock Lamellar Mesophase: Dielectric Relaxation Investigations. <i>Macromolecules</i> , 2004, 37, 7808-7817.	4.8	46

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109	Is there a higher-order mode coupling transition in polymer blends?. Journal of Chemical Physics, 2006, 124, 184906.	3.0	46
110	Polymers under extreme two-dimensional confinement: Poly(ethylene oxide) in graphite oxide. Soft Matter, 2011, 7, 7173.	2.7	46
111	New secondary relaxation in polymeric glasses: A possible common feature of the glassy state. Physical Review B, 1987, 35, 3995-4000.	3.2	45
112	Local Structure of Syndiotactic Poly(methyl methacrylate). A Combined Study by Neutron Diffraction with Polarization Analysis and Atomistic Molecular Dynamics Simulations. Macromolecules, 2006, 39, 3947-3958.	4.8	45
113	Self- and Collective Dynamics of Syndiotactic Poly(methyl methacrylate). A Combined Study by Quasielastic Neutron Scattering and Atomistic Molecular Dynamics Simulations. Macromolecules, 2006, 39, 6260-6272.	4.8	45
114	Single Component Dynamics in Miscible Poly(vinyl methyl ether)/Polystyrene Blends under Hydrostatic Pressure. Macromolecules, 2007, 40, 3246-3255.	4.8	45
115	Investigation of the Dielectric $\hat{\Gamma}^2$ -Process in Polyisobutylene by Incoherent Quasielastic Neutron Scattering. Macromolecules, 1998, 31, 4926-4934.	4.8	44
116	Chain Motion in Nonentangled Dynamically Asymmetric Polymer Blends: Comparison between Atomistic Simulations of PEO/PMMA and a Generic Bead-Spring Model. Macromolecules, 2010, 43, 3036-3051.	4.8	44
117	Structure and dynamics of single-chain nano-particles in solution. Polymer, 2016, 105, 532-544.	3.8	44
118	Reaching the ideal glass transition by aging polymer films. Physical Chemistry Chemical Physics, 2017, 19, 961-965.	2.8	44
119	A thermodynamic approach to the fragility of glass-forming polymers. Journal of Chemical Physics, 2006, 124, 024906.	3.0	43
120	Dynamic Arrest in Polymer Melts: Competition between Packing and Intramolecular Barriers. Physical Review Letters, 2008, 101, 255701.	7.8	43
121	Segmental and Normal Mode Relaxation of Poly(alkylene oxide)s Studied by Dielectric Spectroscopy and Rheology. Macromolecules, 2010, 43, 4968-4977.	4.8	43
122	Multi-orthogonal folding of single polymer chains into soft nanoparticles. Soft Matter, 2014, 10, 4813-4821.	2.7	43
123	Temperature-Pressure Equivalence for the Component Segmental Dynamics of a Miscible Polymer Blend. Macromolecules, 2002, 35, 2030-2035.	4.8	42
124	Dynamics of Amorphous and Semicrystalline 1,4- <i>trans</i> -Poly(isoprene) by Dielectric Spectroscopy. Macromolecules, 2008, 41, 8669-8676.	4.8	42
125	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
126	Influence of Water and Filler Content on the Dielectric Response of Silica-Filled Rubber Compounds. Macromolecules, 2013, 46, 2407-2416.	4.8	42

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127	Non-Debye dielectric relaxation around the liquid-glass transition of a glass-forming polymer. <i>Physical Review B</i> , 1993, 47, 14857-14865.	3.2	41
128	Carbon-carbon torsional barriers driving the fast dynamics in glass-forming polymers. <i>Physical Review B</i> , 1998, 57, 13508-13513.	3.2	41
129	Dynamic Confinement Effects in Polymer Blends. A Quasielastic Neutron Scattering Study of the Slow Component in the Blend Poly(vinyl acetate)/Poly(ethylene oxide). <i>Macromolecules</i> , 2007, 40, 4568-4577.	4.8	41
130	Two-Dimensional Subnanometer Confinement of Ethylene Glycol and Poly(ethylene oxide) by Neutron Spectroscopy: Molecular Size Effects. <i>Macromolecules</i> , 2012, 45, 3137-3144.	4.8	41
131	On the interpretation of the TSDC results in the study of the $\hat{\Gamma}$ -relaxation of amorphous polymers. <i>Polymer</i> , 1996, 37, 2915-2923.	3.8	40
132	Quasielastic Neutron Scattering Study on the Dynamics of Poly(alkylene oxide)s. <i>Macromolecules</i> , 2012, 45, 4394-4405.	4.8	40
133	A Solvent-Based Strategy for Tuning the Internal Structure of Metallo-Folded Single-Chain Nanoparticles. <i>Macromolecular Rapid Communications</i> , 2016, 37, 1060-1065.	3.9	39
134	Macromolecular Structure and Vibrational Dynamics of Confined Poly(ethylene oxide): From Subnanometer 2D-Intercalation into Graphite Oxide to Surface Adsorption onto Graphene Sheets. <i>ACS Macro Letters</i> , 2012, 1, 550-554.	4.8	38
135	Quasielastic neutron scattering study of hydrogen motions in an aqueous poly(vinyl methyl ether) solution. <i>Journal of Chemical Physics</i> , 2011, 134, 204906.	3.0	37
136	On the temperature dependence of the nonexponentiality in glass-forming liquids. <i>Journal of Chemical Physics</i> , 2009, 130, 124902.	3.0	36
137	Structural and thermodynamic aspects of the cylinder-to-sphere transition in amphiphilic diblock copolymer micelles. <i>Soft Matter</i> , 2011, 7, 1491.	2.7	36
138	Single Chain Dynamic Structure Factor of Poly(ethylene oxide) in Dynamically Asymmetric Blends with Poly(methyl methacrylate). <i>Neutron Scattering and Molecular Dynamics Simulations. Macromolecules</i> , 2012, 45, 536-542.	4.8	36
139	Component dynamics in polyvinylpyrrolidone concentrated aqueous solutions. <i>Journal of Chemical Physics</i> , 2012, 137, 084902.	3.0	36
140	Single Chain Dynamic Structure Factor of Linear Polymers in an All-Polymer Nano-Composite. <i>Macromolecules</i> , 2016, 49, 2354-2364.	4.8	36
141	A new method for obtaining distributions of relaxation times from frequency relaxation spectra. <i>Journal of Chemical Physics</i> , 1995, 103, 798-806.	3.0	35
142	Anomalous Dynamical Homogeneity of the Dielectric $\hat{\Gamma}$ -Relaxation in Miscible Polymer Blends of Poly(epichlorohydrin) and Poly(vinyl methyl ether). <i>Macromolecules</i> , 1995, 28, 8819-8823.	4.8	35
143	Physical aging in PMMA/silica nanocomposites: Enthalpy and dielectric relaxation. <i>Journal of Non-Crystalline Solids</i> , 2011, 357, 605-609.	3.1	35
144	Neutron scattering and molecular dynamics simulations: synergetic tools to unravel structure and dynamics in polymers. <i>Soft Matter</i> , 2012, 8, 8257.	2.7	35

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145	Chain Length Effects on the Dynamics of Poly(ethylene oxide) Confined in Graphite Oxide: A Broadband Dielectric Spectroscopy Study. <i>Macromolecules</i> , 2013, 46, 7932-7939.	4.8	35
146	Origin of the Distribution of Potential Barriers for Methyl Group Dynamics in Glassy Polymers: A Molecular Dynamics Simulation in Polyisoprene. <i>Macromolecules</i> , 2000, 33, 8077-8084.	4.8	34
147	Quasielastic Neutron Scattering Study on the Effect of Blending on the Dynamics of Head-to-Head Poly(propylene) and Poly(ethylene- <i>co</i> -propylene). <i>Macromolecules</i> , 2006, 39, 1060-1072.	4.8	34
148	Heterogeneity of the Segmental Dynamics in Lamellar Phases of Diblock Copolymers. <i>Macromolecules</i> , 2011, 44, 6952-6961.	4.8	34
149	Time dependence of the segmental relaxation time of poly(vinyl acetate)-silica nanocomposites. <i>Physical Review E</i> , 2012, 86, 041501.	2.1	34
150	Theoretical considerations concerning avrami transformations under non-isothermal conditions. <i>Thermochimica Acta</i> , 1980, 35, 381-384.	2.7	33
151	Methyl Group Dynamics in Poly(methyl methacrylate): From Quantum Tunneling to Classical Hopping. <i>Macromolecules</i> , 2001, 34, 4886-4896.	4.8	33
152	Heterogeneous structure of poly(vinyl chloride) as the origin of anomalous dynamical behavior. <i>Journal of Chemical Physics</i> , 2002, 117, 1336-1350.	3.0	33
153	Accounting for the thickness dependence of the T _g in supported PS films via the volume holes diffusion model. <i>Thermochimica Acta</i> , 2014, 575, 233-237.	2.7	33
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155	Neutron Spin Echo in Polymer Systems, Chapter 1. , 2005, , 1-221.		33
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