

# Juan Colmenero

## List of Publications by Year in descending order

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437  
papers

15,908  
citations

17776

65  
h-index

37326

100  
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440  
all docs

440  
docs citations

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times ranked

8657  
citing authors

#	ARTICLE	IF	CITATIONS
1	Disentangling Component Dynamics in an All-Polymer Nanocomposite Based on Single-Chain Nanoparticles by Quasielastic Neutron Scattering. <i>Macromolecules</i> , 2022, 55, 2320-2332.	2.2	5
2	Disentangling Self-Atomic Motions in Polyisobutylene by Molecular Dynamics Simulations. <i>Polymers</i> , 2021, 13, 670.	2.0	1
3	Reaching the Ideal Glass in Polymer Spheres: Thermodynamics and Vibrational Density of States. <i>Physical Review Letters</i> , 2021, 126, 118004.	2.9	19
4	Dynamic Processes and Mechanisms Involved in Relaxations of Single-Chain Nano-Particle Melts. <i>Polymers</i> , 2021, 13, 2316.	2.0	5
5	Advances in the Multi-Orthogonal Folding of Single Polymer Chains into Single-Chain Nanoparticles. <i>Polymers</i> , 2021, 13, 293.	2.0	10
6	Collective Motions and Mechanical Response of a Bulk of Single-Chain Nano-Particles Synthesized by Click-Chemistry. <i>Polymers</i> , 2021, 13, 50.	2.0	7
7	Unraveling the coherent dynamic structure factor of liquid water at the mesoscale by molecular dynamics simulations. <i>Journal of Chemical Physics</i> , 2021, 155, 244509.	1.2	11
8	Modeling the high frequency mechanical relaxation of simplified industrial polymer mixtures using dielectric relaxation results. <i>Polymer</i> , 2020, 187, 122051.	1.8	6
9	Water dynamics and self-assembly of single-chain nanoparticles in concentrated solutions. <i>Soft Matter</i> , 2020, 16, 9738-9745.	1.2	4
10	Concentration Fluctuations and Nanosegregation in a Simplified Industrial Blend with Large Dynamic Asymmetry. <i>Macromolecules</i> , 2020, 53, 7150-7160.	2.2	6
11	Structure and Dynamics of Irreversible Single-Chain Nanoparticles in Dilute Solution. A Neutron Scattering Investigation. <i>Macromolecules</i> , 2020, 53, 8068-8082.	2.2	7
12	Insight into the Structure and Dynamics of Polymers by Neutron Scattering Combined with Atomistic Molecular Dynamics Simulations. <i>Polymers</i> , 2020, 12, 3067.	2.0	17
13	Signature of hydrogen bonding association in the dielectric signal of polyalcohols. <i>Journal of Molecular Liquids</i> , 2020, 318, 114215.	2.3	4
14	Insights into the non-exponential behavior of the dielectric Debye-like relaxation in monoalcohols. <i>Journal of Molecular Liquids</i> , 2020, 312, 113441.	2.3	8
15	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. <i>Macromolecules</i> , 2020, 53, 5919-5936.	2.2	8
16	Single-chain nanoparticles: opportunities provided by internal and external confinement. <i>Materials Horizons</i> , 2020, 7, 2292-2313.	6.4	72
17	Melts of single-chain nanoparticles: A neutron scattering investigation. <i>Journal of Applied Physics</i> , 2020, 127, .	1.1	11
18	Coherent structural relaxation of water from meso- to intermolecular scales measured using neutron spectroscopy with polarization analysis. <i>Physical Review Research</i> , 2020, 2, .	1.3	26

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19	Direct Observation of Dynamic Tube Dilatation in Entangled Polymer Blends: A Combination of Neutron Scattering and Dielectric Techniques. <i>Physical Review Letters</i> , 2019, 123, 187802.	2.9	8
20	Mesoscale Dynamics in Melts of Single-Chain Polymeric Nanoparticles. <i>Macromolecules</i> , 2019, 52, 6935-6942.	2.2	17
21	Effect of Molecular Crowding on Conformation and Interactions of Single-Chain Nanoparticles. <i>Macromolecules</i> , 2019, 52, 4295-4305.	2.2	16
22	Glass-Transition Dynamics of Mixtures of Linear Poly(vinyl methyl ether) with Single-Chain Polymer Nanoparticles: Evidence of a New Type of Nanocomposite Materials. <i>Polymers</i> , 2019, 11, 533.	2.0	8
23	Brushes of elastic single-chain nanoparticles on flat surfaces. <i>Polymer</i> , 2019, 169, 207-214.	1.8	6
24	Polymer chain diffusion in polymer blends: A theoretical interpretation based on a memory function formalism. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 1239-1245.	2.4	2
25	Facile Access to Completely Deuterated Single-Chain Nanoparticles Enabled by Intramolecular Azide Photodecomposition. <i>Macromolecular Rapid Communications</i> , 2019, 40, 1900046.	2.0	15
26	Crowding the Environment of Single-Chain Nanoparticles: A Combined Study by SANS and Simulations. <i>Macromolecules</i> , 2018, 51, 1573-1585.	2.2	31
27	Effect of chain stiffness on the structure of single-chain polymer nanoparticles. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 034001.	0.7	15
28	Multimodal character of shear viscosity response in hydrogen bonded liquids. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 27758-27765.	1.3	19
29	Relaxation Processes in Liquids and Glass-Forming Systems: What Can We Learn by Comparing Neutron Scattering and Dielectric Spectroscopy Results?. <i>Advances in Dielectrics</i> , 2018, , 247-277.	1.2	1
30	Local Domain Size in Single-Chain Polymer Nanoparticles. <i>ACS Omega</i> , 2018, 3, 8648-8654.	1.6	17
31	Applying Polymer Blend Dynamics Concepts to a Simplified Industrial System. A Combined Effort by Dielectric Spectroscopy and Neutron Scattering. <i>Macromolecules</i> , 2018, 51, 6692-6706.	2.2	11
32	Ultrafiltration of single-chain polymer nanoparticles through nanopores and nanoslits. <i>Polymer</i> , 2018, 148, 61-67.	1.8	9
33	Folding Single Chains to Single-Chain Nanoparticles via Reversible Interactions: What Size Reduction Can One Expect?. <i>Macromolecules</i> , 2017, 50, 1732-1739.	2.2	49
34	The Role of the Topological Constraints in the Chain Dynamics in All-Polymer Nanocomposites. <i>Macromolecules</i> , 2017, 50, 1719-1731.	2.2	31
35	On the non-exponentiality of the dielectric Debye-like relaxation of monoalcohols. <i>Journal of Chemical Physics</i> , 2017, 146, 114502.	1.2	22
36	Complex nonequilibrium dynamics of stacked polystyrene films deep in the glassy state. <i>Journal of Chemical Physics</i> , 2017, 146, 203312.	1.2	33

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37	Reaching the ideal glass transition by aging polymer films. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 961-965.	1.3	44
38	Supramolecular Self-Assembly of Monocarboxydecyl-Terminated Dimethylsiloxane Oligomer. <i>Macromolecules</i> , 2017, 50, 8688-8697.	2.2	7
39	Investigation of the dynamics of aqueous proline solutions using neutron scattering and molecular dynamics simulations. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 27739-27754.	1.3	10
40	Size of Elastic Single-Chain Nanoparticles in Solution and on Surfaces. <i>Macromolecules</i> , 2017, 50, 6323-6331.	2.2	23
41	Cooling Rate Dependent Glass Transition in Thin Polymer Films and in Bulk. , 2016, , 403-431.		21
42	A Solvent-Based Strategy for Tuning the Internal Structure of Metallo-Folded Single-Chain Nanoparticles. <i>Macromolecular Rapid Communications</i> , 2016, 37, 1060-1065.	2.0	39
43	Structure and component dynamics in binary mixtures of poly(2-(dimethylamino)ethyl methacrylate) with water and tetrahydrofuran: A diffraction, calorimetric, and dielectric spectroscopy study. <i>Journal of Chemical Physics</i> , 2016, 144, 154903.	1.2	5
44	Dielectric relaxation analysis of hybrid acrylic-polyurethane gels. <i>Materials Today Communications</i> , 2016, 8, 100-107.	0.9	1
45	Dynamics and Structure of Poly(ethylene oxide) Intercalated in the Nanopores of Resorcinol-Formaldehyde Resin Nanoparticles. <i>Macromolecules</i> , 2016, 49, 5704-5713.	2.2	8
46	Structure and dynamics of single-chain nano-particles in solution. <i>Polymer</i> , 2016, 105, 532-544.	1.8	44
47	Dielectric relaxation of polymers: segmental dynamics under structural constraints. <i>Soft Matter</i> , 2016, 12, 7709-7725.	1.2	64
48	An unexpected route to aldehyde-decorated single-chain nanoparticles from azides. <i>Polymer Chemistry</i> , 2016, 7, 6570-6574.	1.9	12
49	Dielectric Susceptibility of Liquid Water: Microscopic Insights from Coherent and Incoherent Neutron Scattering. <i>Physical Review Letters</i> , 2016, 117, 185501.	2.9	55
50	Tunable slow dynamics in a new class of soft colloids. <i>Soft Matter</i> , 2016, 12, 9039-9046.	1.2	12
51	Universal Trend of the Non-Exponential Rouse Mode Relaxation in Glass-Forming Polymers Systems: Experimental Facts, MD-Simulation Results and a Theoretical Approach Based on a Generalized Langevin Equation. <i>MRS Advances</i> , 2016, 1, 1903-1913.	0.5	1
52	A Useful Methodology for Determining the Compaction Degree of Single-Chain Nanoparticles by Conventional SEC. <i>Particle and Particle Systems Characterization</i> , 2016, 33, 373-381.	1.2	10
53	Role of Dynamic Asymmetry on the Collective Dynamics of Comblike Polymers: Insights from Neutron Spin-Echo Experiments and Coarse-Grained Molecular Dynamics Simulations. <i>Macromolecules</i> , 2016, 49, 4989-5000.	2.2	6
54	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.	2.1	64

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55	Single Chain Dynamic Structure Factor of Linear Polymers in an All-Polymer Nano-Composite. <i>Macromolecules</i> , 2016, 49, 2354-2364.	2.2	36
56	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.	11.8	123
57	Dynamics of tetrahydrofuran as minority component in a mixture with poly(2-(dimethylamino)ethyl) Tj ETQq1 1 0.784314 rgBT /Over <i>Physics</i> , 2015, 143, 094505.	1.2	4
58	Efficient Synthesis of Single-Chain Globules Mimicking the Morphology and Polymerase Activity of Metalloenzymes. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1592-1597.	2.0	52
59	Collective dynamics of glass-forming polymers at intermediate length scales. <i>EPJ Web of Conferences</i> , 2015, 83, 01001.	0.1	8
60	Are polymers standard glass-forming systems? The role of intramolecular barriers on the glass-transition phenomena of glass-forming polymers. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 103101.	0.7	32
61	Dielectric relaxations of Acrylic-Polyurethane hybrid materials. <i>Polymer</i> , 2015, 74, 21-29.	1.8	10
62	The universal trend of the non-exponential Rouse mode relaxation in polymer systems: a theoretical interpretation based on a generalized Langevin equation. <i>Soft Matter</i> , 2015, 11, 5614-5618.	1.2	3
63	Influence of Solvent on Poly(2-(Dimethylamino)Ethyl Methacrylate) Dynamics in Polymer-Concentrated Mixtures: A Combined Neutron Scattering, Dielectric Spectroscopy, and Calorimetric Study. <i>Macromolecules</i> , 2015, 48, 6724-6735.	2.2	16
64	Dielectric relaxation of 2-ethyl-1-hexanol around the glass transition by thermally stimulated depolarization currents. <i>Journal of Chemical Physics</i> , 2015, 142, 214504.	1.2	15
65	Simulation guided design of globular single-chain nanoparticles by tuning the solvent quality. <i>Soft Matter</i> , 2015, 11, 1369-1375.	1.2	58
66	Non-exponential Rouse correlators and generalized magnitudes probing chain dynamics. <i>Journal of Non-Crystalline Solids</i> , 2015, 407, 302-308.	1.5	6
67	Intercalation and Confinement of Poly(ethylene oxide) in Porous Carbon Nanoparticles with Controlled Morphologies. <i>Macromolecules</i> , 2014, 47, 8729-8737.	2.2	12
68	Neutron Spectroscopy as a Probe of Macromolecular Structure and Dynamics under Extreme Spatial Confinement. <i>Journal of Physics: Conference Series</i> , 2014, 549, 012009.	0.3	4
69	Polymer Chain Dynamics: Evidence of Nonexponential Mode Relaxation Using Thermally Stimulated Depolarization Current Techniques. <i>Physical Review Letters</i> , 2014, 113, 078302.	2.9	25
70	Chain Dynamics on Crossing the Glass Transition: Nonequilibrium Effects and Recovery of the Temperature Dependence of the Structural Relaxation. <i>ACS Macro Letters</i> , 2014, 3, 1215-1219.	2.3	12
71	Efficient Route to Compact Single-Chain Nanoparticles: Photoactivated Synthesis via Thiol-ene Coupling Reaction. <i>Macromolecules</i> , 2014, 47, 8270-8280.	2.2	77
72	Accounting for the thickness dependence of the Tg in supported PS films via the volume holes diffusion model. <i>Thermochimica Acta</i> , 2014, 575, 233-237.	1.2	33

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73	Dielectric spectroscopy at the nanoscale by atomic force microscopy: A simple model linking materials properties and experimental response. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	15
74	Collective Features in Polyisobutylene. A Study of the Static and Dynamic Structure Factor by Molecular Dynamics Simulations. <i>Macromolecules</i> , 2014, 47, 447-459.	2.2	15
75	Single-chain nanoparticles vs. star, hyperbranched and dendrimeric polymers: effect of the nanoscopic architecture on the flow properties of diluted solutions. <i>Soft Matter</i> , 2014, 10, 9454-9459.	1.2	13
76	Multi-orthogonal folding of single polymer chains into soft nanoparticles. <i>Soft Matter</i> , 2014, 10, 4813-4821.	1.2	43
77	Microscopic Dynamics in Nanocomposites of Poly(ethylene oxide) and Poly(methyl methacrylate) Soft Nanoparticles: A Quasi-Elastic Neutron Scattering Study. <i>Macromolecules</i> , 2014, 47, 304-315.	2.2	28
78	How Far Are Single-Chain Polymer Nanoparticles in Solution from the Globular State?. <i>ACS Macro Letters</i> , 2014, 3, 767-772.	2.3	152
79	Investigation of a Nanocomposite of 75 wt % Poly(methyl methacrylate) Nanoparticles with 25 wt % Poly(ethylene oxide) Linear Chains: A Quasielastic Neutron Scattering, Calorimetric, and WAXS Study. <i>Macromolecules</i> , 2014, 47, 3005-3016.	2.2	18
80	Metallo-Folded Single-Chain Nanoparticles with Catalytic Selectivity. <i>ACS Macro Letters</i> , 2014, 3, 439-443.	2.3	130
81	Component dynamics in nanostructured PI-PDMS diblock copolymers with PI segregated in lamellas, cylinders, and spheres. <i>Colloid and Polymer Science</i> , 2014, 292, 1863-1876.	1.0	13
82	AFM based dielectric spectroscopy: Extended frequency range through excitation of cantilever higher eigenmodes. <i>Ultramicroscopy</i> , 2014, 146, 55-61.	0.8	9
83	Dynamic study of polystyrene-block-poly(4-vinylpyridine) copolymer in bulk and confined in cylindrical nanopores. <i>Polymer</i> , 2014, 55, 4057-4066.	1.8	19
84	Thermal Stability of Polymers Confined in Graphite Oxide. <i>Macromolecules</i> , 2013, 46, 1890-1898.	2.2	32
85	Direct Evidence of Two Equilibration Mechanisms in Glassy Polymers. <i>Physical Review Letters</i> , 2013, 111, 095701.	2.9	166
86	Endowing Single-Chain Polymer Nanoparticles with Enzyme-Mimetic Activity. <i>ACS Macro Letters</i> , 2013, 2, 775-779.	2.3	129
87	Physical aging in polymers and polymer nanocomposites: recent results and open questions. <i>Soft Matter</i> , 2013, 9, 8619.	1.2	206
88	Confinement of poly(ethylene oxide) in the nanometer-scale pores of resins and carbon nanoparticles. <i>Soft Matter</i> , 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. <i>Macromolecules</i> , 2013, 46, 7932-7939.	2.2	35
90	Comment on "Unified explanation of the anomalous dynamic properties of highly asymmetric polymer blends" [J. Chem. Phys. 138, 054903 (2013)]. <i>Journal of Chemical Physics</i> , 2013, 138, 197101.	1.2	9

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91	Modeling the collective relaxation time of glass-forming polymers at intermediate length scales: Application to polyisobutylene. <i>Journal of Chemical Physics</i> , 2013, 139, 044906.	1.2	26
92	Study of the Dynamic Heterogeneity in Poly(ethylene-vinyl acetate) Copolymer by Using Broadband Dielectric Spectroscopy and Electrostatic Force Microscopy. <i>Macromolecules</i> , 2013, 46, 7502-7512.	2.2	11
93	End-to-End Vector Dynamics of Nonentangled Polymers in Lamellar Block Copolymer Melts: The Role of Junction Point Motion. <i>Macromolecules</i> , 2013, 46, 7477-7487.	2.2	11
94	Reply to "Comment on 'A Generalized Rouse Incoherent Scattering Function for Chain Dynamics of Unentangled Polymers in Dynamically Asymmetric Blends'". <i>Macromolecules</i> , 2013, 46, 8056-8058.	2.2	2
95	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.	2.4	56
96	Advantages of Orthogonal Folding of Single Polymer Chains to Soft Nanoparticles. <i>Macromolecules</i> , 2013, 46, 9748-9759.	2.2	89
97	Local mechanical and dielectric behavior of the interacting polymer layer in silica nano-particles filled SBR by means of AFM-based methods. <i>Polymer</i> , 2013, 54, 4980-4986.	1.8	42
98	Influence of Water and Filler Content on the Dielectric Response of Silica-Filled Rubber Compounds. <i>Macromolecules</i> , 2013, 46, 2407-2416.	2.2	42
99	"Michael" Nanocarriers Mimicking Transient-Binding Disordered Proteins. <i>ACS Macro Letters</i> , 2013, 2, 491-495.	2.3	106
100	A Generalized Rouse Incoherent Scattering Function for Chain Dynamics of Unentangled Polymers in Dynamically Asymmetric Blends. <i>Macromolecules</i> , 2013, 46, 5363-5370.	2.2	12
101	Effect of Nanoconfinement on Polymer Dynamics: Surface Layers and Interphases. <i>Physical Review Letters</i> , 2013, 110, 108303.	2.9	154
102	Volume recovery of polystyrene/silica nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2013, 51, 847-853.	2.4	15
103	Dynamic Heterogeneity in Random and Gradient Copolymers: A Computational Investigation. <i>Macromolecules</i> , 2013, 46, 5066-5079.	2.2	32
104	Dynamics of Poly(butylene oxide) Well above the Glass Transition. A Fully Atomistic Molecular Dynamics Simulation Study. <i>Macromolecules</i> , 2013, 46, 1678-1685.	2.2	10
105	Design and Preparation of Single-Chain Nanocarriers Mimicking Disordered Proteins for Combined Delivery of Dermal Bioactive Cargos. <i>Macromolecular Rapid Communications</i> , 2013, 34, 1681-1686.	2.0	82
106	Applicability of mode-coupling theory to polyisobutylene: A molecular dynamics simulation study. <i>Physical Review E</i> , 2013, 88, 042302.	0.8	13
107	On the interactions between poly(ethylene oxide) and graphite oxide: A comparative study by different computational methods. <i>Journal of Chemical Physics</i> , 2013, 138, 094308.	1.2	7
108	Time dependence of the segmental relaxation time of poly(vinyl acetate)-silica nanocomposites. <i>Physical Review E</i> , 2012, 86, 041501.	0.8	34

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109	Three-dimensional tomography of single charge inside dielectric materials using electrostatic force microscopy. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1421, 1.	0.1	2
110	Tunable uptake of poly(ethylene oxide) by graphite-oxide-based materials. <i>Carbon</i> , 2012, 50, 5232-5241.	5.4	22
111	Anomalous molecular weight dependence of chain dynamics in unentangled polymer blends with strong dynamic asymmetry. <i>Soft Matter</i> , 2012, 8, 3739.	1.2	20
112	Quasielastic Neutron Scattering Study on the Dynamics of Poly(alkylene oxide)s. <i>Macromolecules</i> , 2012, 45, 4394-4405.	2.2	40
113	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.	2.2	36
114	Two-Dimensional Subnanometer Confinement of Ethylene Glycol and Poly(ethylene oxide) by Neutron Spectroscopy: Molecular Size Effects. <i>Macromolecules</i> , 2012, 45, 3137-3144.	2.2	41
115	Dynamical behavior of highly concentrated trehalose water solutions: a dielectric spectroscopy study. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 2991.	1.3	9
116	Tg depression and invariant segmental dynamics in polystyrene thin films. <i>Soft Matter</i> , 2012, 8, 5119.	1.2	173
117	Easy-dispersible poly(glycidyl phenyl ether)-functionalized graphene sheets obtained by reaction of $\alpha$ -living anionic polymer chains. <i>Chemical Communications</i> , 2012, 48, 2618.	2.2	12
118	Dielectric spectroscopy in the GHz region on fully hydrated zwitterionic amino acids. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 11352.	1.3	56
119	Enthalpy Recovery in Nanometer to Micrometer Thick Polystyrene Films. <i>Macromolecules</i> , 2012, 45, 5296-5306.	2.2	86
120	Unexpected PDMS Behavior in Segregated Cylindrical and Spherical Nanophases of PS- <i>b</i> -PDMS Asymmetric Diblock Copolymers. <i>Macromolecules</i> , 2012, 45, 491-502.	2.2	17
121	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.	2.3	38
122	Dielectric Study of Hydration Water in Silica Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2012, 116, 24340-24349.	1.5	89
123	Short and Intermediate Range Order in Poly(alkylene oxide)s. A Neutron Diffraction and Molecular Dynamics Simulation Study. <i>Macromolecules</i> , 2012, 45, 7293-7303.	2.2	29
124	Dynamics of Water Absorbed in Polyamides. <i>Macromolecules</i> , 2012, 45, 1676-1687.	2.2	61
125	Neutron Scattering and X-ray Investigation of the Structure and Dynamics of Poly(ethyl) Tj ETQq1 1 0.784314 rgBT/Overlock 10 Tf 50 1	2.2	21
126	Component dynamics in polyvinylpyrrolidone concentrated aqueous solutions. <i>Journal of Chemical Physics</i> , 2012, 137, 084902.	1.2	36

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127	Heterogeneity of the Segmental Dynamics in Cylindrical and Spherical Phases of Diblock Copolymers. <i>Macromolecules</i> , 2012, 45, 8841-8852.	2.2	15
128	Positron annihilation and relaxation dynamics from dielectric spectroscopy: poly(vinylmethylether). <i>Journal of Physics Condensed Matter</i> , 2012, 24, 155104.	0.7	13
129	Neutron scattering and molecular dynamics simulations: synergetic tools to unravel structure and dynamics in polymers. <i>Soft Matter</i> , 2012, 8, 8257.	1.2	35
130	Enhanced physical aging of polymer nanocomposites: The key role of the area to volume ratio. <i>Polymer</i> , 2012, 53, 1362-1372.	1.8	63
131	Complex polymers. <i>Neutron Scattering Applications and Techniques</i> , 2012, , 103-121.	0.2	1
132	Chain dynamics in nonentangled polymer melts: A first-principle approach for the role of intramolecular barriers. <i>Soft Matter</i> , 2011, 7, 1364.	1.2	9
133	International Soft Matter Conference 2010. <i>Soft Matter</i> , 2011, 7, 1245.	1.2	1
134	Structural and thermodynamic aspects of the cylinder-to-sphere transition in amphiphilic diblock copolymer micelles. <i>Soft Matter</i> , 2011, 7, 1491.	1.2	36
135	From caging to Rouse dynamics in polymer melts with intramolecular barriers: A critical test of the mode coupling theory. <i>Journal of Chemical Physics</i> , 2011, 134, 024523.	1.2	16
136	Enthalpy Recovery of Glassy Polymers: Dramatic Deviations from the Extrapolated Liquidlike Behavior. <i>Macromolecules</i> , 2011, 44, 8333-8342.	2.2	95
137	Heterogeneity of the Segmental Dynamics in Lamellar Phases of Diblock Copolymers. <i>Macromolecules</i> , 2011, 44, 6952-6961.	2.2	34
138	Glassy Dynamics of Polystyrene by Quasielastic Neutron Scattering. <i>Macromolecules</i> , 2011, 44, 3161-3168.	2.2	20
139	Site-Dependent Segmental Dynamics Revealed Using Broadband Dielectric Spectroscopy on Well-Defined Functionalized Polystyrenes. <i>Macromolecules</i> , 2011, 44, 7810-7819.	2.2	9
140	Effect of Blending on the Chain Dynamics of the $\alpha$ -Component in Nonentangled and Dynamically Asymmetric Polymer Blends. <i>Macromolecules</i> , 2011, 44, 3611-3621.	2.2	29
141	Dynamics of Water in Supercooled Aqueous Solutions of Poly(propylene glycol) As Studied by Broadband Dielectric Spectroscopy and Low-Temperature FTIR-ATR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2011, 115, 13817-13827.	1.2	17
142	Chain Dynamics of Unentangled Poly(ethylene- <i>alt</i> -propylene) Melts by Means of Neutron Scattering and Fully Atomistic Molecular Dynamics Simulations. <i>Macromolecules</i> , 2011, 44, 3129-3139.	2.2	16
143	Structure and Dynamics of Self-Assembled Comb Copolymers: Comparison between Simulations of a Generic Model and Neutron Scattering Experiments. <i>Macromolecules</i> , 2011, 44, 1695-1706.	2.2	27
144	Equilibrium Chain Exchange Kinetics of Diblock Copolymer Micelles: Effect of Morphology. <i>Macromolecules</i> , 2011, 44, 6145-6154.	2.2	62

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145	Contrast inversion in electrostatic force microscopy imaging of trapped charges: tip-sample distance and dielectric constant dependence. <i>Nanotechnology</i> , 2011, 22, 345702.	1.3	10
146	Dynamical Properties of Plasticizer in Polyvinyl Acetate. , 2011, , .		0
147	Physical aging of polystyrene/gold nanocomposites and its relation to the calorimetric Tg depression. <i>Soft Matter</i> , 2011, 7, 3607.	1.2	89
148	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.	2.2	49
149	Physical aging in PMMA/silica nanocomposites: Enthalpy and dielectric relaxation. <i>Journal of Non-Crystalline Solids</i> , 2011, 357, 605-609.	1.5	35
150	Polymers under extreme two-dimensional confinement: Poly(ethylene oxide) in graphite oxide. <i>Soft Matter</i> , 2011, 7, 7173.	1.2	46
151	Revisiting the effects of organic solvents on the thermal reduction of graphite oxide. <i>Thermochimica Acta</i> , 2011, 526, 65-71.	1.2	10
152	Broadband nanodielectric spectroscopy by means of amplitude modulation electrostatic force microscopy (AM-EFM). <i>Ultramicroscopy</i> , 2011, 111, 1366-1369.	0.8	25
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