

Juan Colmenero

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

429
papers

14,231
citations

63
h-index

94
g-index

440
ext. papers

15,009
ext. citations

4.2
avg. IF

6.52
L-index

#	Paper	IF	Citations
429	Disentangling Component Dynamics in an All-Polymer Nanocomposite Based on Single-Chain Nanoparticles by Quasielastic Neutron Scattering.. <i>Macromolecules</i> , 2022 , 55, 2320-2332	5.5	0
428	Reaching the Ideal Glass in Polymer Spheres: Thermodynamics and Vibrational Density of States. <i>Physical Review Letters</i> , 2021 , 126, 118004	7.4	7
427	Dynamic Processes and Mechanisms Involved in Relaxations of Single-Chain Nano-Particle Melts. <i>Polymers</i> , 2021 , 13,	4.5	2
426	Disentangling Self-Atomic Motions in Polyisobutylene by Molecular Dynamics Simulations. <i>Polymers</i> , 2021 , 13,	4.5	1
425	Advances in the Multi-Orthogonal Folding of Single Polymer Chains into Single-Chain Nanoparticles. <i>Polymers</i> , 2021 , 13,	4.5	4
424	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	3.9	0
423	Insight into the Structure and Dynamics of Polymers by Neutron Scattering Combined with Atomistic Molecular Dynamics Simulations. <i>Polymers</i> , 2020 , 12,	4.5	8
422	Signature of hydrogen bonding association in the dielectric signal of polyalcohols. <i>Journal of Molecular Liquids</i> , 2020 , 318, 114215	6	0
421	Insights into the non-exponential behavior of the dielectric Debye-like relaxation in monoalcohols. <i>Journal of Molecular Liquids</i> , 2020 , 312, 113441	6	2
420	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	5.5	4
419	Single-chain nanoparticles: opportunities provided by internal and external confinement. <i>Materials Horizons</i> , 2020 , 7, 2292-2313	14.4	39
418	Melts of single-chain nanoparticles: A neutron scattering investigation. <i>Journal of Applied Physics</i> , 2020 , 127, 044305	2.5	7
417	Coherent structural relaxation of water from meso- to intermolecular scales measured using neutron spectroscopy with polarization analysis. <i>Physical Review Research</i> , 2020 , 2,	3.9	8
416	Collective Motions and Mechanical Response of a Bulk of Single-Chain Nano-Particles Synthesized by Click-Chemistry. <i>Polymers</i> , 2020 , 13,	4.5	4
415	Modeling the high frequency mechanical relaxation of simplified industrial polymer mixtures using dielectric relaxation results. <i>Polymer</i> , 2020 , 187, 122051	3.9	2
414	Water dynamics and self-assembly of single-chain nanoparticles in concentrated solutions. <i>Soft Matter</i> , 2020 , 16, 9738-9745	3.6	1
413	Concentration Fluctuations and Nanosegregation in a Simplified Industrial Blend with Large Dynamic Asymmetry. <i>Macromolecules</i> , 2020 , 53, 7150-7160	5.5	2

412	Structure and Dynamics of Irreversible Single-Chain Nanoparticles in Dilute Solution. A Neutron Scattering Investigation. <i>Macromolecules</i> , 2020 , 53, 8068-8082	5.5	3
411	Mesoscale Dynamics in Melts of Single-Chain Polymeric Nanoparticles. <i>Macromolecules</i> , 2019 , 52, 6935-6942	5.5	14
410	Effect of Molecular Crowding on Conformation and Interactions of Single-Chain Nanoparticles. <i>Macromolecules</i> , 2019 , 52, 4295-4305	5.5	14
409	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,	4.5	7
408	Brushes of elastic single-chain nanoparticles on flat surfaces. <i>Polymer</i> , 2019 , 169, 207-214	3.9	4
407	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	2.6	2
406	Facile Access to Completely Deuterated Single-Chain Nanoparticles Enabled by Intramolecular Azide Photodecomposition. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1900046	4.8	12
405	Direct Observation of Dynamic Tube Dilution in Entangled Polymer Blends: A Combination of Neutron Scattering and Dielectric Techniques. <i>Physical Review Letters</i> , 2019 , 123, 187802	7.4	4
404	Crowding the Environment of Single-Chain Nanoparticles: A Combined Study by SANS and Simulations. <i>Macromolecules</i> , 2018 , 51, 1573-1585	5.5	27
403	Effect of chain stiffness on the structure of single-chain polymer nanoparticles. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 034001	1.8	12
402	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	0.6	1
401	Local Domain Size in Single-Chain Polymer Nanoparticles. <i>ACS Omega</i> , 2018 , 3, 8648-8654	3.9	12
400	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	5.5	9
399	Ultrafiltration of single-chain polymer nanoparticles through nanopores and nanoslits. <i>Polymer</i> , 2018 , 148, 61-67	3.9	8
398	Multimodal character of shear viscosity response in hydrogen bonded liquids. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 27758-27765	3.6	11
397	Folding Single Chains to Single-Chain Nanoparticles via Reversible Interactions: What Size Reduction Can One Expect?. <i>Macromolecules</i> , 2017 , 50, 1732-1739	5.5	41
396	The Role of the Topological Constraints in the Chain Dynamics in All-Polymer Nanocomposites. <i>Macromolecules</i> , 2017 , 50, 1719-1731	5.5	28
395	On the non-exponentiality of the dielectric Debye-like relaxation of monoalcohols. <i>Journal of Chemical Physics</i> , 2017 , 146, 114502	3.9	20

394	Complex nonequilibrium dynamics of stacked polystyrene films deep in the glassy state. <i>Journal of Chemical Physics</i> , 2017 , 146, 203312	3.9	27
393	Reaching the ideal glass transition by aging polymer films. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 961-965	3.6	30
392	Structure and Dynamics of Systems Based on Single-Chain Polymer Nano-Particles Investigated by Scattering Techniques 2017 , 129-181		0
391	Supramolecular Self-Assembly of Monocarboxydecyl-Terminated Dimethylsiloxane Oligomer. <i>Macromolecules</i> , 2017 , 50, 8688-8697	5.5	7
390	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	3.6	6
389	Size of Elastic Single-Chain Nanoparticles in Solution and on Surfaces. <i>Macromolecules</i> , 2017 , 50, 6323-6334	3.3	19
388	An unexpected route to aldehyde-decorated single-chain nanoparticles from azides. <i>Polymer Chemistry</i> , 2016 , 7, 6570-6574	4.9	12
387	Dielectric Susceptibility of Liquid Water: Microscopic Insights from Coherent and Incoherent Neutron Scattering. <i>Physical Review Letters</i> , 2016 , 117, 185501	7.4	42
386	Tunable slow dynamics in a new class of soft colloids. <i>Soft Matter</i> , 2016 , 12, 9039-9046	3.6	11
385	Universal Trend of the Non-Exponential Rouse Mode Relaxation in Glass-Forming Polymer Systems: Experimental Facts, MD-Simulation Results and a Theoretical Approach Based on a Generalized Langevin Equation. <i>MRS Advances</i> , 2016 , 1, 1903-1913	0.7	1
384	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	3.1	10
383	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	5.5	6
382	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, 838-44	6.4	54
381	Single Chain Dynamic Structure Factor of Linear Polymers in an All-Polymer Nano-Composite. <i>Macromolecules</i> , 2016 , 49, 2354-2364	5.5	34
380	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	29.6	102
379	Cooling Rate Dependent Glass Transition in Thin Polymer Films and in Bulk 2016 , 403-431		19
378	A Solvent-Based Strategy for Tuning the Internal Structure of Metallo-Folded Single-Chain Nanoparticles. <i>Macromolecular Rapid Communications</i> , 2016 , 37, 1060-5	4.8	34
377	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	3.9	5

376	Dielectric relaxation analysis of hybrid acrylic-polyurethane gels. <i>Materials Today Communications</i> , 2016 , 8, 100-107	2.5	1
375	Dynamics and Structure of Poly(ethylene oxide) Intercalated in the Nanopores of Resorcinol-Formaldehyde Resin Nanoparticles. <i>Macromolecules</i> , 2016 , 49, 5704-5713	5.5	8
374	Structure and dynamics of single-chain nano-particles in solution. <i>Polymer</i> , 2016 , 105, 532-544	3.9	36
373	Dielectric relaxation of polymers: segmental dynamics under structural constraints. <i>Soft Matter</i> , 2016 , 12, 7709-25	3.6	49
372	Dielectric relaxations of Acrylic-Polyurethane hybrid materials. <i>Polymer</i> , 2015 , 74, 21-29	3.9	8
371	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, 5614-8	3.6	3
370	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	5.5	14
369	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	3.9	14
368	Simulation guided design of globular single-chain nanoparticles by tuning the solvent quality. <i>Soft Matter</i> , 2015 , 11, 1369-75	3.6	48
367	Non-exponential Rouse correlators and generalized magnitudes probing chain dynamics. <i>Journal of Non-Crystalline Solids</i> , 2015 , 407, 302-308	3.9	4
366	Dynamics of tetrahydrofuran as minority component in a mixture with poly(2-(dimethylamino)ethyl methacrylate): A neutron scattering and dielectric spectroscopy investigation. <i>Journal of Chemical Physics</i> , 2015 , 143, 094505	3.9	3
365	Efficient Synthesis of Single-Chain Globules Mimicking the Morphology and Polymerase Activity of Metalloenzymes. <i>Macromolecular Rapid Communications</i> , 2015 , 36, 1592-7	4.8	41
364	Collective dynamics of glass-forming polymers at intermediate length scales. <i>EPJ Web of Conferences</i> , 2015 , 83, 01001	0.3	8
363	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	1.8	24
362	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, 184305	2.5	12
361	Collective Features in Polyisobutylene. A Study of the Static and Dynamic Structure Factor by Molecular Dynamics Simulations. <i>Macromolecules</i> , 2014 , 47, 447-459	5.5	14
360	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, 9454-9	3.6	13
359	Multi-orthogonal folding of single polymer chains into soft nanoparticles. <i>Soft Matter</i> , 2014 , 10, 4813-213.6	3.6	38

358	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	5.5	25
357	How Far Are Single-Chain Polymer Nanoparticles in Solution from the Globular State?. <i>ACS Macro Letters</i> , 2014 , 3, 767-772	6.6	127
356	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	5.5	17
355	Metallo-Folded Single-Chain Nanoparticles with Catalytic Selectivity.. <i>ACS Macro Letters</i> , 2014 , 3, 439-443	6.6	115
354	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	2.4	10
353	AFM based dielectric spectroscopy: extended frequency range through excitation of cantilever higher eigenmodes. <i>Ultramicroscopy</i> , 2014 , 146, 55-61	3.1	8
352	Dynamic study of polystyrene-block-poly(4-vinylpyridine) copolymer in bulk and confined in cylindrical nanopores. <i>Polymer</i> , 2014 , 55, 4057-4066	3.9	18
351	Intercalation and Confinement of Poly(ethylene oxide) in Porous Carbon Nanoparticles with Controlled Morphologies. <i>Macromolecules</i> , 2014 , 47, 8729-8737	5.5	11
350	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	3
349	Polymer chain dynamics: evidence of nonexponential mode relaxation using thermally stimulated depolarization current techniques. <i>Physical Review Letters</i> , 2014 , 113, 078302	7.4	23
348	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	6.6	11
347	Efficient Route to Compact Single-Chain Nanoparticles: Photoactivated Synthesis via Thiol-ene Coupling Reaction. <i>Macromolecules</i> , 2014 , 47, 8270-8280	5.5	69
346	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	2.9	29
345	Thermal Stability of Polymers Confined in Graphite Oxide. <i>Macromolecules</i> , 2013 , 46, 1890-1898	5.5	29
344	Direct evidence of two equilibration mechanisms in glassy polymers. <i>Physical Review Letters</i> , 2013 , 111, 095701	7.4	129
343	Endowing Single-Chain Polymer Nanoparticles with Enzyme-Mimetic Activity. <i>ACS Macro Letters</i> , 2013 , 2, 775-779	6.6	116
342	Physical aging in polymers and polymer nanocomposites: recent results and open questions. <i>Soft Matter</i> , 2013 , 9, 8619	3.6	159
341	Confinement of poly(ethylene oxide) in the nanometer-scale pores of resins and carbon nanoparticles. <i>Soft Matter</i> , 2013 , 9, 10960	3.6	13

340	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	5.5	30
339	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	3.9	9
338	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	3.9	24
337	Study of the Dynamic Heterogeneity in Poly(ethylene-ran-vinyl acetate) Copolymer by Using Broadband Dielectric Spectroscopy and Electrostatic Force Microscopy. <i>Macromolecules</i> , 2013 , 46, 7502-7512	5.5	11
336	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	5.5	9
335	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	5.5	1
334	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	2.6	47
333	Advantages of Orthogonal Folding of Single Polymer Chains to Soft Nanoparticles. <i>Macromolecules</i> , 2013 , 46, 9748-9759	5.5	78
332	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	3.9	37
331	Influence of Water and Filler Content on the Dielectric Response of Silica-Filled Rubber Compounds. <i>Macromolecules</i> , 2013 , 46, 2407-2416	5.5	40
330	"Michael" Nanocarriers Mimicking Transient-Binding Disordered Proteins.. <i>ACS Macro Letters</i> , 2013 , 2, 491-495	6.6	92
329	A Generalized Rouse Incoherent Scattering Function for Chain Dynamics of Unentangled Polymers in Dynamically Asymmetric Blends. <i>Macromolecules</i> , 2013 , 46, 5363-5370	5.5	10
328	Effect of nanoconfinement on polymer dynamics: surface layers and interphases. <i>Physical Review Letters</i> , 2013 , 110, 108303	7.4	133
327	Volume recovery of polystyrene/silica nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2013 , 51, 847-853	2.6	14
326	Dynamic Heterogeneity in Random and Gradient Copolymers: A Computational Investigation. <i>Macromolecules</i> , 2013 , 46, 5066-5079	5.5	26
325	Dynamics of Poly(butylene oxide) Well above the Glass Transition. A Fully Atomistic Molecular Dynamics Simulation Study. <i>Macromolecules</i> , 2013 , 46, 1678-1685	5.5	9
324	Design and preparation of single-chain nanocarriers mimicking disordered proteins for combined delivery of dermal bioactive cargos. <i>Macromolecular Rapid Communications</i> , 2013 , 34, 1681-6	4.8	68
323	Applicability of mode-coupling theory to polyisobutylene: a molecular dynamics simulation study. <i>Physical Review E</i> , 2013 , 88, 042302	2.4	12

322	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	3.9	3
321	Enhanced physical aging of polymer nanocomposites: The key role of the area to volume ratio. <i>Polymer</i> , 2012 , 53, 1362-1372	3.9	57
320	Tunable uptake of poly(ethylene oxide) by graphite-oxide-based materials. <i>Carbon</i> , 2012 , 50, 5232-5241	10.4	21
319	Anomalous molecular weight dependence of chain dynamics in unentangled polymer blends with strong dynamic asymmetry. <i>Soft Matter</i> , 2012 , 8, 3739	3.6	18
318	Quasielastic Neutron Scattering Study on the Dynamics of Poly(alkylene oxide)s. <i>Macromolecules</i> , 2012 , 45, 4394-4405	5.5	34
317	Single Chain Dynamic Structure Factor of Poly(ethylene oxide) in Dynamically Asymmetric Blends with Poly(methyl methacrylate). Neutron Scattering and Molecular Dynamics Simulations. <i>Macromolecules</i> , 2012 , 45, 536-542	5.5	33
316	Two-Dimensional Subnanometer Confinement of Ethylene Glycol and Poly(ethylene oxide) by Neutron Spectroscopy: Molecular Size Effects. <i>Macromolecules</i> , 2012 , 45, 3137-3144	5.5	39
315	Dynamical behavior of highly concentrated trehalose water solutions: a dielectric spectroscopy study. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 2991-6	3.6	9
314	T _g depression and invariant segmental dynamics in polystyrene thin films. <i>Soft Matter</i> , 2012 , 8, 5119	3.6	164
313	Easy-dispersible poly(glycidyl phenyl ether)-functionalized graphene sheets obtained by reaction of "living" anionic polymer chains. <i>Chemical Communications</i> , 2012 , 48, 2618-20	5.8	10
312	Dielectric spectroscopy in the GHz region on fully hydrated zwitterionic amino acids. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 11352-62	3.6	46
311	Enthalpy Recovery in Nanometer to Micrometer Thick Polystyrene Films. <i>Macromolecules</i> , 2012 , 45, 5296-5306	7.6	76
310	Unexpected PDMS Behavior in Segregated Cylindrical and Spherical Nanophases of PS/PDMS Asymmetric Diblock Copolymers. <i>Macromolecules</i> , 2012 , 45, 491-502	5.5	16
309	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	6.6	37
308	Dielectric Study of Hydration Water in Silica Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 24340-24349	3.8	70
307	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	5.5	28
306	Dynamics of Water Absorbed in Polyamides. <i>Macromolecules</i> , 2012 , 45, 1676-1687	5.5	55
305	Neutron Scattering and X-ray Investigation of the Structure and Dynamics of Poly(ethyl methacrylate). <i>Macromolecules</i> , 2012 , 45, 2522-2536	5.5	19

304	Component dynamics in polyvinylpyrrolidone concentrated aqueous solutions. <i>Journal of Chemical Physics</i> , 2012 , 137, 084902	3.9	32
303	Heterogeneity of the Segmental Dynamics in Cylindrical and Spherical Phases of Diblock Copolymers. <i>Macromolecules</i> , 2012 , 45, 8841-8852	5.5	13
302	Polymer Rheology by Dielectric Spectroscopy 2012 ,		1
301	Positron annihilation and relaxation dynamics from dielectric spectroscopy: poly(vinylmethylether). <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 155104	1.8	11
300	Neutron scattering and molecular dynamics simulations: synergetic tools to unravel structure and dynamics in polymers. <i>Soft Matter</i> , 2012 , 8, 8257	3.6	32
299	Time dependence of the segmental relaxation time of poly(vinyl acetate)-silica nanocomposites. <i>Physical Review E</i> , 2012 , 86, 041501	2.4	28
298	Three-dimensional tomography of single charge inside dielectric materials using electrostatic force microscopy. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1421, 1		2
297	Complex polymers. <i>Neutron Scattering Applications and Techniques</i> , 2012 , 103-121		1
296	Physical aging of polystyrene/gold nanocomposites and its relation to the calorimetric Tg depression. <i>Soft Matter</i> , 2011 , 7, 3607	3.6	84
295	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	5.5	46
294	Physical aging in PMMA/silica nanocomposites: Enthalpy and dielectric relaxation. <i>Journal of Non-Crystalline Solids</i> , 2011 , 357, 605-609	3.9	34
293	Polymers under extreme two-dimensional confinement: Poly(ethylene oxide) in graphite oxide. <i>Soft Matter</i> , 2011 , 7, 7173	3.6	43
292	Revisiting the effects of organic solvents on the thermal reduction of graphite oxide. <i>Thermochimica Acta</i> , 2011 , 526, 65-71	2.9	9
291	Broadband nanodielectric spectroscopy by means of amplitude modulation electrostatic force microscopy (AM-EFM). <i>Ultramicroscopy</i> , 2011 , 111, 1366-9	3.1	24
290	Broadband dielectric spectroscopy and calorimetric investigations of D-lyxose. <i>Carbohydrate Research</i> , 2011 , 346, 2165-72	2.9	4
289	Compatibility studies of polystyrene and poly(vinyl acetate) blends using electrostatic force microscopy. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011 , 49, 1332-1338	2.6	4
288	A nanotechnology pathway to arresting phase separation in soft nanocomposites. <i>Macromolecular Rapid Communications</i> , 2011 , 32, 573-8	4.8	22
287	Broadband dielectric spectroscopic, calorimetric, and FTIR-ATR investigations of D-arabinose aqueous solutions. <i>ChemPhysChem</i> , 2011 , 12, 3624-33	3.2	6

286	Chain dynamics in nonentangled polymer melts: A first-principle approach for the role of intramolecular barriers. <i>Soft Matter</i> , 2011 , 7, 1364	3.6	9
285	Structural and thermodynamic aspects of the cylinder-to-sphere transition in amphiphilic diblock copolymer micelles. <i>Soft Matter</i> , 2011 , 7, 1491	3.6	33
284	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	3.9	13
283	Enthalpy Recovery of Glassy Polymers: Dramatic Deviations from the Extrapolated Liquidlike Behavior. <i>Macromolecules</i> , 2011 , 44, 8333-8342	5.5	77
282	Heterogeneity of the Segmental Dynamics in Lamellar Phases of Diblock Copolymers. <i>Macromolecules</i> , 2011 , 44, 6952-6961	5.5	31
281	Glassy Dynamics of Polystyrene by Quasielastic Neutron Scattering. <i>Macromolecules</i> , 2011 , 44, 3161-3168	5.5	18
280	Site-Dependent Segmental Dynamics Revealed Using Broadband Dielectric Spectroscopy on Well-Defined Functionalized Polystyrenes. <i>Macromolecules</i> , 2011 , 44, 7810-7819	5.5	9
279	Effect of Blending on the Chain Dynamics of the Low-T _g Component in Nonentangled and Dynamically Asymmetric Polymer Blends. <i>Macromolecules</i> , 2011 , 44, 3611-3621	5.5	27
278	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, 13817-27	3.4	13
277	Chain Dynamics of Unentangled Poly(ethylene-alt-propylene) Melts by Means of Neutron Scattering and Fully Atomistic Molecular Dynamics Simulations. <i>Macromolecules</i> , 2011 , 44, 3129-3139	5.5	13
276	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	5.5	25
275	Equilibrium Chain Exchange Kinetics of Diblock Copolymer Micelles: Effect of Morphology. <i>Macromolecules</i> , 2011 , 44, 6145-6154	5.5	53
274	Contrast inversion in electrostatic force microscopy imaging of trapped charges: tip-sample distance and dielectric constant dependence. <i>Nanotechnology</i> , 2011 , 22, 345702	3.4	9
273	On the use of electrostatic force microscopy as a quantitative subsurface characterization technique: A numerical study. <i>Applied Physics Letters</i> , 2011 , 99, 023101	3.4	15
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