

Dieter Richter

List of Publications by Year in descending order

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650
papers

24,386
citations

6613
79
h-index

18130
120
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661
all docs

661
docs citations

661
times ranked

10310
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of molecular weight on the distribution of segmental relaxation in polymer grafted nanoparticles. <i>Physical Review Materials</i> , 2022, 6, .	2.4	8
2	Quasielastic neutron scattering reveals the temperature dependent rotational dynamics of densely grafted oleic acid. <i>Journal of Chemical Physics</i> , 2022, 156, 164908.	3.0	0
3	Structure and Dynamics of Ribonuclease A during Thermal Unfolding: The Failure of the Zimm Model. <i>Journal of Physical Chemistry B</i> , 2021, 125, 780-788.	2.6	3
4	Cooperative Chain Dynamics of Tracer Chains in Highly Entangled Polyethylene Melts. <i>Physical Review Letters</i> , 2021, 126, 187801.	7.8	14
5	Structure and dynamics of large ring polymers. <i>Journal of Rheology</i> , 2021, 65, 713-727.	2.6	7
6	Nanosecond structural dynamics of intrinsically disordered β^2 -casein micelles by neutron spectroscopy. <i>Biophysical Journal</i> , 2021, 120, 5408-5420.	0.5	2
7	Structural and Dynamical Roles of Bound Polymer Chains in Rubber Reinforcement. <i>Macromolecules</i> , 2021, 54, 11032-11046.	4.8	17
8	Non-Gaussian and Cooperative Dynamics of Entanglement Strands in Polymer Melts. <i>Macromolecules</i> , 2021, 54, 11384-11391.	4.8	10
9	Reduced Internal Friction by Osmolyte Interaction in Intrinsically Disordered Myelin Basic Protein. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 292-296.	4.6	10
10	Amphiphilic Comb Polymers as New Additives in Bicontinuous Microemulsions. <i>Nanomaterials</i> , 2020, 10, 2410.	4.1	4
11	Self-Similar Dynamics of Large Polymer Rings: A Neutron Spin Echo Study. <i>Physical Review Letters</i> , 2020, 125, 238004.	7.8	16
12	Self-Similar Polymer Ring Conformations Based on Elementary Loops: A Direct Observation by SANS. <i>ACS Macro Letters</i> , 2020, 9, 507-511.	4.8	20
13	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.	4.8	8
14	A practical method to account for random phase approximation effects on the dynamic scattering of multi-component polymer systems. <i>Journal of Chemical Physics</i> , 2020, 152, 054901.	3.0	6
15	Direct Observation of Dynamic Tube Dilation in Entangled Polymer Blends: A Combination of Neutron Scattering and Dielectric Techniques. <i>Physical Review Letters</i> , 2019, 123, 187802.	7.8	8
16	Polymer dynamics under confinement. <i>Soft Matter</i> , 2019, 15, 7316-7349.	2.7	54
17	Localised contacts lead to nanosecond hinge motions in dimeric bovine serum albumin. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 18477-18485.	2.8	9
18	A better view through new glasses: Developments at the Jülich neutron spin echo spectrometers. <i>Physica B: Condensed Matter</i> , 2019, 562, 9-12.	2.7	4

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19	J-NSE-Phoenix, a neutron spin-echo spectrometer with optimized superconducting precession coils at the MLZ in Garching. <i>Review of Scientific Instruments</i> , 2019, 90, 043107.	1.3	34
20	Structure and Dynamics of Intrinsically Disordered and Unfolded Proteins: Investigations using Small-Angle Scattering and Neutron Spin-Echo Spectroscopy. <i>Biophysical Journal</i> , 2019, 116, 490a-491a.	0.5	0
21	Direct Assessment of Tube Dilation in Entangled Polymers. <i>Physical Review Letters</i> , 2019, 122, 088001.	7.8	21
22	Proton diffusion in the catalytic layer for high temperature polymer electrolyte fuel cells. <i>RSC Advances</i> , 2019, 9, 37768-37777.	3.6	6
23	Neutron protein crystallography at the Heinz Maier-Leibnitz Zentrum (MLZ): new developments and recent application examples. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2019, 75, e134-e134.	0.1	0
24	Relevance of Internal Friction and Structural Constraints for the Dynamics of Denatured Bovine Serum Albumin. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 2469-2473.	4.6	29
25	Small angle neutron scattering study on the morphology of imidazolium-based grafted anion-conducting fuel cell membranes. <i>Physica B: Condensed Matter</i> , 2018, 551, 203-207.	2.7	6
26	The Role of the Functionality in the Branch Point Motion in Symmetric Star Polymers: A Combined Study by Simulations and Neutron Spin Echo Spectroscopy. <i>Macromolecules</i> , 2018, 51, 242-253.	4.8	14
27	Reverse relationships of water uptake and alkaline durability with hydrophilicity of imidazolium-based grafted anion-exchange membranes. <i>Soft Matter</i> , 2018, 14, 9118-9131.	2.7	12
28	Influence of PEGylation on Domain Dynamics of Phosphoglycerate Kinase: PEG Acts Like Entropic Spring for the Protein. <i>Bioconjugate Chemistry</i> , 2018, 29, 1950-1960.	3.6	16
29	Fractal diffusion in high temperature polymer electrolyte fuel cell membranes. <i>Journal of Chemical Physics</i> , 2018, 148, 204906.	3.0	8
30	Chemically defined, ultrasoft PDMS elastomers with selectable elasticity for mechanobiology. <i>PLoS ONE</i> , 2018, 13, e0195180.	2.5	17
31	Neutron protein crystallography at the Heinz Meier-Leibnitz Zentrum (MLZ): new developments and recent application examples. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2018, 74, e177-e177.	0.1	0
32	Importance of Compact Random Walks for the Rheology of Transient Networks. <i>ACS Macro Letters</i> , 2017, 6, 73-77.	4.8	45
33	Description of poly(ethylenepropylene) confined in nanopores by a modified Rouse model. <i>Journal of Chemical Physics</i> , 2017, 146, 203309.	3.0	1
34	Internal structure and phase transition behavior of stimuli-responsive microgels in PEG melts. <i>Soft Matter</i> , 2017, 13, 2738-2748.	2.7	9
35	Microscopic Structure, Conformation, and Dynamics of Ring and Linear Poly(ethylene oxide) Melts from Detailed Atomistic Molecular Dynamics Simulations: Dependence on Chain Length and Direct Comparison with Experimental Data. <i>Macromolecules</i> , 2017, 50, 2565-2584.	4.8	50
36	Polymer dynamics under cylindrical confinement featuring a locally repulsive surface: A quasielastic neutron scattering study. <i>Journal of Chemical Physics</i> , 2017, 146, 203306.	3.0	13

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37	A Small-Angle Neutron Scattering Study of a Soft Model Nanofiller in an Athermal Melt. <i>Macromolecules</i> , 2017, 50, 4733-4741.	4.8	7
38	Influence of morphology on physical properties of poly(2,5-benzimidazole) membranes. <i>Journal of Membrane Science</i> , 2017, 533, 342-350.	8.2	13
39	The microscopic origin of the rheology in supramolecular entangled polymer networks. <i>Journal of Rheology</i> , 2017, 61, 1211-1226.	2.6	36
40	Melt dynamics of supramolecular comb polymers: Viscoelastic and dielectric response. <i>Journal of Rheology</i> , 2017, 61, 1185-1196.	2.6	17
41	Imidazolium-based anion exchange membranes for alkaline anion fuel cells: (2) elucidation of the ionic structure and its impact on conducting properties. <i>Soft Matter</i> , 2017, 13, 8463-8473.	2.7	16
42	Polymer Chain Conformation and Dynamical Confinement in a Model One-Component Nanocomposite. <i>Physical Review Letters</i> , 2017, 119, 047801.	7.8	28
43	Direct Observation of Two Distinct Diffusive Modes for Polymer Rings in Linear Polymer Matrices by Pulsed Field Gradient (PFG) NMR. <i>Macromolecules</i> , 2017, 50, 9482-9493.	4.8	22
44	Monomeric Amyloid Beta Peptide in Hexafluoroisopropanol Detected by Small Angle Neutron Scattering. <i>PLoS ONE</i> , 2016, 11, e0150267.	2.5	31
45	Molecular Exchange Kinetics of Micelles: Corona Chain Length Dependence. <i>ACS Macro Letters</i> , 2016, 5, 884-888.	4.8	34
46	Fast antibody fragment motion: flexible linkers act as entropic spring. <i>Scientific Reports</i> , 2016, 6, 22148.	3.3	30
47	Branch Point Withdrawal in Elongational Startup Flow by Time-Resolved Small Angle Neutron Scattering. <i>Macromolecules</i> , 2016, 49, 4330-4339.	4.8	9
48	Small angle neutron scattering data of polymer electrolyte membranes partially swollen in water. <i>Data in Brief</i> , 2016, 7, 599-603.	1.0	0
49	Sacrificial bonds enhance toughness of dual polybutadiene networks. <i>Polymer</i> , 2016, 87, 123-128.	3.8	63
50	Dynamic Structure Factor of Core-Shell Microgels: A Neutron Scattering and Mesoscale Hydrodynamic Simulation Study. <i>Macromolecules</i> , 2016, 49, 3608-3618.	4.8	23
51	Influence of chain topology on polymer crystallization: poly(ethylene oxide) (PEO) rings vs. linear chains. <i>Soft Matter</i> , 2016, 12, 8124-8134.	2.7	63
52	Mixtures of polymer architectures: Probing the structure and dynamics with neutron scattering. <i>Polymer</i> , 2016, 105, 378-392.	3.8	7
53	Nanoscale Motion of Soft Nanoparticles in Unentangled and Entangled Polymer Matrices. <i>Physical Review Letters</i> , 2016, 117, 147803.	7.8	32
54	Hydrogen Bonding in a Reversible Comb Polymer Architecture: A Microscopic and Macroscopic Investigation. <i>Macromolecules</i> , 2016, 49, 5692-5703.	4.8	21

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55	The Initiation Mechanism of Butadiene Polymerization in Aliphatic Hydrocarbons: A Full Mechanistic Approach. <i>Macromolecules</i> , 2016, 49, 5397-5406.	4.8	3
56	Structure and domain dynamics of human lactoferrin in solution and the influence of Fe(III)-ion ligand binding. <i>BMC Biophysics</i> , 2016, 9, 7.	4.4	19
57	Molecular View on Supramolecular Chain and Association Dynamics. <i>Physical Review Letters</i> , 2016, 117, 147802.	7.8	19
58	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.	4.8	6
59	Imidazolium-based anion exchange membranes for alkaline anion fuel cells: elucidation of the morphology and the interplay between the morphology and properties. <i>Soft Matter</i> , 2016, 12, 1567-1578.	2.7	26
60	Protein Entrapment in Polymeric Mesh: Diffusion in Crowded Environment with Fast Process on Short Scales. <i>Macromolecules</i> , 2016, 49, 1941-1949.	4.8	20
61	Electrostatic Effects on the Internal Dynamics of Redox-Sensitive Microgel Systems. <i>Macromolecules</i> , 2016, 49, 1911-1917.	4.8	13
62	Elucidation of the morphology of the hydrocarbon multi-block copolymer electrolyte membranes for proton exchange fuel cells. <i>Polymer</i> , 2016, 86, 157-167.	3.8	13
63	Neutron macromolecular crystallography at the FRM II - or: what can neutrons do for you. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2016, 72, s229-s229.	0.1	0
64	Sensing Polymer Chain Dynamics through Ring Topology: A Neutron Spin Echo Study. <i>Physical Review Letters</i> , 2015, 115, 148302.	7.8	53
65	Validity of the Stokes-Einstein Relation in Soft Colloids up to the Glass Transition. <i>Physical Review Letters</i> , 2015, 115, 128302.	7.8	35
66	Fast internal dynamics in alcohol dehydrogenase. <i>Journal of Chemical Physics</i> , 2015, 143, 075101.	3.0	28
67	Polymer dynamics in nanoconfinement: Interfaces and interphases. <i>EPJ Web of Conferences</i> , 2015, 83, 02009.	0.3	16
68	Neutron macromolecular crystallography at the FRM II - the neutron single-crystal diffractometer BIODIFF. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2015, 71, s497-s497.	0.1	0
69	Morphology of crystalline/amorphous olefin block copolymers in solution characterized by small-angle neutron scattering and microscopy. <i>Journal of Applied Crystallography</i> , 2015, 48, 1860-1869.	4.5	7
70	Tuning the instrument resolution using chopper and time of flight at the small-angle neutron scattering diffractometer KWS-2. <i>Journal of Applied Crystallography</i> , 2015, 48, 1849-1859.	4.5	24
71	Interfaces modify the undulation spectrum of bicontinuous microemulsions. <i>EPJ Web of Conferences</i> , 2015, 83, 02006.	0.3	1
72	Effect of Core Crystallization and Conformational Entropy on the Molecular Exchange Kinetics of Polymeric Micelles. <i>ACS Macro Letters</i> , 2015, 4, 651-655.	4.8	31

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73	Influence of the Solvent Quality on Ring Polymer Dimensions. <i>Macromolecules</i> , 2015, 48, 1598-1605.	4.8	48
74	Association Behavior, Diffusion, and Viscosity of End-Functionalized Supramolecular Poly(ethylene Terephthalate) Overlaid with 10 Tf 50	4.8	25
75	Nanocomposites composed of HEUR polymer and magnetite iron oxide nanoparticles: Structure and magnetic response of the hydrogel and dried state. <i>Polymer</i> , 2015, 60, 176-185.	3.8	10
76	KWS-1 high-resolution small-angle neutron scattering instrument at JCNS: current state. <i>Journal of Applied Crystallography</i> , 2015, 48, 61-70.	4.5	122
77	Dynamic phase diagram of soft nanocolloids. <i>Nanoscale</i> , 2015, 7, 13924-13934.	5.6	46
78	Asymmetric polymers in bicontinuous microemulsions and their accretion to the bending of the membrane. <i>Colloid and Polymer Science</i> , 2015, 293, 1253-1265.	2.1	7
79	How hydrophobically modified chitosans are stabilized by biocompatible lipid aggregates. <i>Journal of Colloid and Interface Science</i> , 2015, 452, 160-168.	9.4	13
80	Studying the concentration dependence of the aggregation number of a micellar model system by SANS. <i>Soft Matter</i> , 2015, 11, 4208-4217.	2.7	20
81	Celebrating Soft Matter's 10th Anniversary: Topology matters: structure and dynamics of ring polymers. <i>Soft Matter</i> , 2015, 11, 8535-8549.	2.7	70
82	Consequences of Increasing Packing Length on the Dynamics of Polymer Melts. <i>Macromolecules</i> , 2015, 48, 6638-6645.	4.8	23
83	Diffusion of Isobutane in Silicalite: A Neutron Spin Echo and Molecular Dynamics Simulation Study. <i>Journal of Physical Chemistry C</i> , 2015, 119, 26999-27006.	3.1	22
84	Long wavelength undulations dominate dynamics in large surfactant membrane patches. <i>Nanoscale</i> , 2015, 7, 2578-2586.	5.6	13
85	Slow internal protein dynamics in solution. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 503103.	1.8	30
86	Grazing incidence neutron spin echo spectroscopy: instrumentation aspects and scientific opportunities. <i>Journal of Physics: Conference Series</i> , 2014, 528, 012025.	0.4	8
87	Polymer enrichment decelerates surfactant membranes near interfaces. <i>Physical Review E</i> , 2014, 89, 042303.	2.1	16
88	Molecular Scale Dynamics of Large Ring Polymers. <i>Physical Review Letters</i> , 2014, 113, 168302.	7.8	70
89	Observing proton motion on the nanoscale in polymeric electrolyte membranes with quasielastic neutron scattering. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 21657-21662.	7.1	11
90	Internal Nanosecond Dynamics in the Intrinsically Disordered Myelin Basic Protein. <i>Journal of the American Chemical Society</i> , 2014, 136, 6987-6994.	13.7	87

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91	Compact structure and non-Gaussian dynamics of ring polymer melts. <i>Soft Matter</i> , 2014, 10, 3649-3655.	2.7	57
92	Bending elastic properties of a block copolymer-rich lamellar phase doped by a surfactant: a neutron spin-echo study. <i>Soft Matter</i> , 2014, 10, 6926-6930.	2.7	7
93	Surfactant or block copolymer micelles? Structural properties of a series of well-defined α -alkyl- ω -PEO micelles in water studied by SANS. <i>Soft Matter</i> , 2014, 10, 5212-5220.	2.7	33
94	Anchoring vs Bridging: New Findings on Polymer Additives in Bicontinuous Microemulsions. <i>Langmuir</i> , 2014, 30, 1500-1505.	3.5	11
95	Structure and Dynamics of a Compact State of a Multidomain Protein, the Mercuric Ion Reductase. <i>Biophysical Journal</i> , 2014, 107, 393-400.	0.5	19
96	Cononsolvency Effects on the Structure and Dynamics of Microgels. <i>Macromolecules</i> , 2014, 47, 5982-5988.	4.8	40
97	BioDiff - a neutron diffractometer for protein crystallography. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2014, 70, C1215-C1215.	0.1	0
98	Experimental determination of bending rigidity and saddle splay modulus in bicontinuous microemulsions. <i>Soft Matter</i> , 2013, 9, 2308.	2.7	39
99	Rheology and Anomalous Flow Properties of Poly(ethylene- α -propylene)- α -Silica Nanocomposites. <i>Macromolecules</i> , 2013, 46, 6263-6272.	4.8	44
100	Polymers in 2-D confinement. <i>Soft Matter</i> , 2013, 9, 10484.	2.7	7
101	Viscosity of Ring Polymer Melts. <i>ACS Macro Letters</i> , 2013, 2, 874-878.	4.8	134
102	Anomalous chain diffusion in unentangled model polymer nanocomposites. <i>Soft Matter</i> , 2013, 9, 4336.	2.7	49
103	Relating structure and flow of soft colloids. <i>European Physical Journal: Special Topics</i> , 2013, 222, 2757-2772.	2.6	8
104	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.	4.8	11
105	Microscopic Dynamics of Polyethylene Glycol Chains Interacting with Silica Nanoparticles. <i>Physical Review Letters</i> , 2013, 110, 178001.	7.8	91
106	Direct Observation of the Formation of Surfactant Micelles under Nonisothermal Conditions by Synchrotron SAXS. <i>Journal of the American Chemical Society</i> , 2013, 135, 7214-7222.	13.7	74
107	Direct Observation of Nonaffine Tube Deformation in Strained Polymer Networks. <i>Physical Review Letters</i> , 2013, 110, 196002.	7.8	27
108	Effect of Nanoconfinement on Polymer Dynamics: Surface Layers and Interphases. <i>Physical Review Letters</i> , 2013, 110, 108303.	7.8	154

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109	Microscopic Relaxation Processes in Branched-Linear Polymer Blends by Rheo-SANS. <i>Macromolecules</i> , 2013, 46, 9122-9133.	4.8	21
110	Dynamics of Poly(butylene oxide) Well above the Glass Transition. A Fully Atomistic Molecular Dynamics Simulation Study. <i>Macromolecules</i> , 2013, 46, 1678-1685.	4.8	10
111	Confinement Effects in Block Copolymer Modified Bicontinuous Microemulsions. <i>Journal of Physical Chemistry B</i> , 2013, 117, 5623-5632.	2.6	16
112	Molecular Approach to Supramolecular Polymer Assembly by Small Angle Neutron Scattering. <i>Macromolecules</i> , 2013, 46, 9446-9454.	4.8	27
113	Kinetic Pathway of the Cylinder-to-Sphere Transition in Block Copolymer Micelles Observed in Situ by Time-Resolved Neutron and Synchrotron Scattering. <i>ACS Macro Letters</i> , 2013, 2, 1082-1087.	4.8	44
114	Kinetics of Block Copolymer Micelles Studied by Small-Angle Scattering Methods. <i>Advances in Polymer Science</i> , 2013, , 51-158.	0.8	60
115	Publisher's Note: Effect of Nanoconfinement on Polymer Dynamics: Surface Layers and Interphases [Phys. Rev. Lett. 110, 108303 (2013)]. <i>Physical Review Letters</i> , 2013, 110, .	7.8	16
116	Collective Intermolecular Motions Dominate the Picosecond Dynamics of Short Polymer Chains. <i>Physical Review Letters</i> , 2013, 111, 173003.	7.8	11
117	Neutron Spin-Echo and TOF Reveals Protein Dynamics in Solution. <i>Journal of the Physical Society of Japan</i> , 2013, 82, SA016.	1.6	3
118	First results from measurements at the new neutron diffractometer BioDiff. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2013, 69, s328-s328.	0.3	0
119	SPHERES, Jülich's high-flux neutron backscattering spectrometer at FRM II. <i>Review of Scientific Instruments</i> , 2012, 83, 075109.	1.3	76
120	Acceleration of membrane dynamics adjacent to a wall. <i>Physical Review E</i> , 2012, 85, 041408.	2.1	35
121	Structural characterization of semicrystalline polymer morphologies by imaging-SANS. <i>Journal of Physics: Conference Series</i> , 2012, 340, 012089.	0.4	0
122	Equilibrium exchange kinetics in n-alkyl-PEO polymeric micelles: single exponential relaxation and chain length dependence. <i>Soft Matter</i> , 2012, 8, 623-626.	2.7	76
123	Quasielastic Neutron Scattering Study on the Dynamics of Poly(alkylene oxide)s. <i>Macromolecules</i> , 2012, 45, 4394-4405.	4.8	40
124	Single Chain Dynamic Structure Factor of Poly(ethylene oxide) in Dynamically Asymmetric Blends with Poly(methyl methacrylate). <i>Neutron Scattering and Molecular Dynamics Simulations</i> . <i>Macromolecules</i> , 2012, 45, 536-542.	4.8	36
125	Polymer dynamics in responsive microgels: influence of cononsolvency and microgel architecture. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 2762.	2.8	53
126	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.	4.8	29

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127	Neutron Scattering and X-ray Investigation of the Structure and Dynamics of Poly(ethyl Tj ETQq1 1 0.784314 rgBT, /Overlock, 10 Tf 507	4.8	21
128	Scattering depth correction of evanescent waves in inelastic neutron scattering using a neutron prism. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 686, 71-74.	1.6	10
129	Composition and Long-Range Density Fluctuations in PEO/PMMA Polymer Blends: A Result of Asymmetric Component Mobility. Macromolecules, 2012, 45, 2035-2049.	4.8	25
130	Neutron Scattering. , 2012, , 331-361.		1
131	The spin-echo spectrometer at the Spallation Neutron Source (SNS). Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 696, 85-99.	1.6	85
132	Advanced rheological characterization of soft colloidal model systems. Journal of Physics Condensed Matter, 2012, 24, 464102.	1.8	10
133	Structure and dynamics of balanced supercritical CO ₂ -microemulsions. Soft Matter, 2012, 8, 797-807.	2.7	24
134	Tailored Polymer Additives for Wax (Paraffin) Crystal Control. , 2012, , .		2
135	Functional Domain Motions in Proteins on the ~ 100 ns Timescale: Comparison of Neutron Spin-Echo Spectroscopy of Phosphoglycerate Kinase with Molecular-Dynamics Simulation. Biophysical Journal, 2012, 102, 1108-1117.	0.5	42
136	Future Perspectives: Moving to Longer Length and Time Scales, from Polymers to Biological Macromolecules. Neutron Scattering Applications and Techniques, 2012, , 145-186.	0.2	1
137	Microemulsions as model fluids for enhanced oil recovery: dynamics adjacent to planar hydrophilic walls. EPJ Web of Conferences, 2012, 33, 03005.	0.3	3
138	Soft fluctuating surfactant membranes in supercritical CO ₂ -microemulsions. Physical Chemistry Chemical Physics, 2011, 13, 3022-3025.	2.8	20
139	International Soft Matter Conference 2010. Soft Matter, 2011, 7, 1245.	2.7	1
140	Structure and dynamics of polymer rings by neutron scattering: breakdown of the Rouse model. Soft Matter, 2011, 7, 11169.	2.7	66
141	Exploring internal protein dynamics by neutron spin echo spectroscopy. Soft Matter, 2011, 7, 1299-1307.	2.7	41
142	Structural and thermodynamic aspects of the cylinder-to-sphere transition in amphiphilic diblock copolymer micelles. Soft Matter, 2011, 7, 1491.	2.7	36
143	Chain Conformation of Poly(alkylene oxide)s Studied by Small-Angle Neutron Scattering. Macromolecules, 2011, 44, 6077-6084.	4.8	28
144	Dynamics of Entangled Chains in Polymer Nanocomposites. Macromolecules, 2011, 44, 5857-5860.	4.8	131

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145	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.	4.8	16
146	Equilibrium Chain Exchange Kinetics of Diblock Copolymer Micelles: Effect of Morphology. <i>Macromolecules</i> , 2011, 44, 6145-6154.	4.8	62
147	Ultrasoft Colloid-Polymer Mixtures: Structure and Phase Diagram. <i>Physical Review Letters</i> , 2011, 106, 228301.	7.8	44
148	Domain Fluctuations Enable Catalytic Activity in Phosphoglycerate Kinase?. <i>Biophysical Journal</i> , 2011, 100, 171a.	0.5	1
149	Viscosity Decrease and Reinforcement in Polymer-Silsesquioxane Composites. <i>Macromolecules</i> , 2011, 44, 7820-7830.	4.8	115
150	Unified Description of the Viscoelastic and Dielectric Global Chain Motion in Terms of the Tube Theory. <i>Macromolecules</i> , 2011, 44, 7430-7437.	4.8	25
151	Microscopic origin of the terminal relaxation time in polymer nanocomposites: an experimental precedent. <i>Soft Matter</i> , 2011, 7, 7988.	2.7	46
152	Microstructure and morphology of self-assembling multiblock poly(ethylene- <i>co</i> -butene) copolymers in solution studied by wide-angle neutron scattering and microscopy. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011, 49, 144-158.	2.1	6
153	Recent developments in polymer dynamics investigations of architecturally complex systems. <i>European Polymer Journal</i> , 2011, 47, 474-485.	5.4	14
154	Near-surface structure of a bicontinuous microemulsion with a transition region. <i>Physical Review E</i> , 2011, 83, 030401.	2.1	37
155	The new neutron single crystal diffractometer BioDiff for proteins at FRM II. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2011, 67, C484-C484.	0.3	0
156	Observation of Protein Domain Motions by Neutron Spectroscopy. <i>ChemPhysChem</i> , 2010, 11, 1188-1194.	2.1	7
157	Dynamical Properties of Decorated Lamellar Microemulsions in the Brush Regime. <i>Zeitschrift Fur Physikalische Chemie</i> , 2010, 224, 243-251.	2.8	2
158	Synthesis of Polymer/Silica Hybrid Nanoparticles Using Anionic Polymerization Techniques. <i>Macromolecules</i> , 2010, 43, 856-867.	4.8	42
159	Large Domain Fluctuations on 50-ns Timescale Enable Catalytic Activity in Phosphoglycerate Kinase. <i>Biophysical Journal</i> , 2010, 99, 2309-2317.	0.5	62
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