

Michael Monkenbusch

List of Publications by Year in descending order

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216
papers

5,931
citations

57758

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docs citations

218
times ranked

3580
citing authors

#	ARTICLE	IF	CITATIONS
1	Cooperative Chain Dynamics of Tracer Chains in Highly Entangled Polyethylene Melts. <i>Physical Review Letters</i> , 2021, 126, 187801.	7.8	14
2	Structure and dynamics of large ring polymers. <i>Journal of Rheology</i> , 2021, 65, 713-727.	2.6	7
3	Non-Gaussian and Cooperative Dynamics of Entanglement Strands in Polymer Melts. <i>Macromolecules</i> , 2021, 54, 11384-11391.	4.8	10
4	Self-Similar Dynamics of Large Polymer Rings: A Neutron Spin Echo Study. <i>Physical Review Letters</i> , 2020, 125, 238004.	7.8	16
5	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
6	Tube Dilution 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
7	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
8	Fluctuation suppression in microgels by polymer electrolytes. <i>Structural Dynamics</i> , 2020, 7, 034302.	2.3	1
9	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.	7.8	8
10	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
11	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
12	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
13	Direct Assessment of Tube Dilution in Entangled Polymers. <i>Physical Review Letters</i> , 2019, 122, 088001.	7.8	21
14	Efficient data extraction from neutron time-of-flight spin-echo raw data. <i>Journal of Applied Crystallography</i> , 2019, 52, 1022-1034.	4.5	19
15	DrSPINE: Data reduction for SPIN echo experiments. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	2
16	Lightweight fast rotating Fermi-chopper, proof of principle for a scalable array chopper. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 908, 298-308.	1.6	5
17	Fractal diffusion in high temperature polymer electrolyte fuel cell membranes. <i>Journal of Chemical Physics</i> , 2018, 148, 204906.	3.0	8
18	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

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19	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
20	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
21	New tools for grazing incidence neutron scattering experiments open perspectives to study nano-scale tribology mechanisms. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017, 871, 72-76.	1.6	20
22	Polymer Chain Conformation and Dynamical Confinement in a Model One-Component Nanocomposite. <i>Physical Review Letters</i> , 2017, 119, 047801.	7.8	28
23	Nanoscale rheology at solid-complex fluid interfaces. <i>Scientific Reports</i> , 2017, 7, 4417.	3.3	21
24	Instrument developments and recent scientific highlights at the J-NSE. <i>Journal of Physics: Conference Series</i> , 2017, 862, 012009.	0.4	3
25	ESSENSE: Ultra high resolution spectroscopy for the ESS. <i>Journal of Physics: Conference Series</i> , 2016, 746, 012006.	0.4	1
26	Nanoscale Motion of Soft Nanoparticles in Unentangled and Entangled Polymer Matrices. <i>Physical Review Letters</i> , 2016, 117, 147803.	7.8	32
27	Molecular View on Supramolecular Chain and Association Dynamics. <i>Physical Review Letters</i> , 2016, 117, 147802.	7.8	19
28	Fast internal dynamics in alcohol dehydrogenase. <i>Journal of Chemical Physics</i> , 2015, 143, 075101.	3.0	28
29	DrSPINE – New approach to data reduction and analysis for neutron spin echo experiments from pulsed and reactor sources. <i>EPJ Web of Conferences</i> , 2015, 83, 03020.	0.3	1
30	Optimized superconducting coils for a high-resolution neutron spin-echo spectrometer at the European Spallation Source, ESS. <i>Measurement Science and Technology</i> , 2015, 26, 035501.	2.6	10
31	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
32	Grazing incidence neutron spin echo spectroscopy: instrumentation aspects and scientific opportunities. <i>Journal of Physics: Conference Series</i> , 2014, 528, 012025.	0.4	8
33	Polymer enrichment decelerates surfactant membranes near interfaces. <i>Physical Review E</i> , 2014, 89, 042303.	2.1	16
34	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
35	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
36	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

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37	Prompt $\hat{\Gamma}^3$ radiation measured with a NaI scintillation detector: a beam monitor for neutron scattering instruments which needs no space in the beam. <i>Journal of Physics: Conference Series</i> , 2014, 528, 012038.	0.4	0
38	Experimental determination of bending rigidity and saddle splay modulus in bicontinuous microemulsions. <i>Soft Matter</i> , 2013, 9, 2308.	2.7	39
39	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
40	Direct Observation of Nonaffine Tube Deformation in Strained Polymer Networks. <i>Physical Review Letters</i> , 2013, 110, 196002.	7.8	27
41	Effect of Nanoconfinement on Polymer Dynamics: Surface Layers and Interphases. <i>Physical Review Letters</i> , 2013, 110, 108303.	7.8	154
42	Publisher's Note: Effect of Nanoconfinement on Polymer Dynamics: Surface Layers and Interphases [<i>Phys. Rev. Lett.</i> 110 (2013), 108303]. <i>Physical Review Letters</i> , 2013, 110, .	7.8	16
43	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
44	Acceleration of membrane dynamics adjacent to a wall. <i>Physical Review E</i> , 2012, 85, 041408.	2.1	35
45	Scattering depth correction of evanescent waves in inelastic neutron scattering using a neutron prism. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012, 686, 71-74.	1.6	10
46	Neutron Scattering. , 2012, , 331-361.		1
47	The spin-echo spectrometer at the Spallation Neutron Source (SNS). <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012, 696, 85-99.	1.6	85
48	Structure and dynamics of balanced supercritical CO ₂ -microemulsions. <i>Soft Matter</i> , 2012, 8, 797-807.	2.7	24
49	Soft fluctuating surfactant membranes in supercritical CO ₂ -microemulsions. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 3022-3025.	2.8	20
50	Exploring internal protein dynamics by neutron spin echo spectroscopy. <i>Soft Matter</i> , 2011, 7, 1299-1307.	2.7	41
51	Microstructure and morphology of self-assembling multiblock poly(ethylene-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
52	Design, construction, and performance of a magnetically shielded room for a neutron spin echo spectrometer. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 644, 40-47.	1.6	5
53	Observation of Protein Domain Motions by Neutron Spectroscopy. <i>ChemPhysChem</i> , 2010, 11, 1188-1194.	2.1	7
54	Dynamical Properties of Decorated Lamellar Microemulsions in the Brush Regime. <i>Zeitschrift Fur Physikalische Chemie</i> , 2010, 224, 243-251.	2.8	2

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55	Large Domain Fluctuations on 50-ns Timescale Enable Catalytic Activity in Phosphoglycerate Kinase. Biophysical Journal, 2010, 99, 2309-2317.	0.5	62
56	Molecular Observation of Branch Point Motion in Star Polymer Melts. Macromolecules, 2010, 43, 518-524.	4.8	27
57	Direct Observation of Confined Single Chain Dynamics by Neutron Scattering. Physical Review Letters, 2010, 104, 197801.	7.8	123
58	Polymer dynamics under soft confinement in a self-assembled system. Soft Matter, 2010, 6, 1559.	2.7	32
59	Design, Manufacturing and Performance of a Pair of Superconducting Solenoids for a Neutron Spin-Echo Spectrometer at the SNS. IEEE Transactions on Applied Superconductivity, 2009, 19, 1320-1323.	1.7	3
60	Structural Observation and Kinetic Pathway in the Formation of Polymeric Micelles. Physical Review Letters, 2009, 102, 188301.	7.8	84
61	Investigation of the temperature rise due to eddy currents in large chopper disks operated at polarized neutron beamlines. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 594, 228-231.	1.6	1
62	Polymer dynamics from synthetic polymers to proteins. Pramana - Journal of Physics, 2008, 71, 729-738.	1.8	0
63	Layout and performance of the polarizing guide system for the J-NSE spectrometer at the FRM II. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 586, 90-94.	1.6	11
64	Tailored instrumentation for long-pulse neutron spallation sources. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 589, 34-46.	1.6	29
65	The JCNS neutron spin-echo spectrometer J-NSE at the FRM II. Measurement Science and Technology, 2008, 19, 034022.	2.6	46
66	Cooperative Dynamics in Homopolymer Melts: A Comparison of Theoretical Predictions with Neutron Spin Echo Experiments. Journal of Physical Chemistry B, 2008, 112, 16220-16229.	2.6	64
67	Direct Observation of Correlated Interdomain Motion in Alcohol Dehydrogenase. Physical Review Letters, 2008, 101, 138102.	7.8	75
68	Polymer Dynamics from Synthetic to Biological Macromolecules. AIP Conference Proceedings, 2008, , .	0.4	0
69	Evidence for two disparate spin dynamic regimes within Fe-substituted $\text{La}_{0.7}\text{Pb}_{0.3}(\text{Mn}_{1-x}\text{Fe}_x)\text{O}_{3(0.5x+0.2)}$ colossal magnetoresistive manganites: Neutron spin-echo measurements. Physical Review B, 2007, 76, .	3.2	4
70	Polymer Chain Dynamics in a Random Environment: Heterogeneous Mobilities. Physical Review Letters, 2007, 98, 168301.	7.8	53
71	Neutron spin echo study of the dynamics of micellar solutions of randomly sulphonated polystyrene. Polymer, 2007, 48, 3930-3934.	3.8	3
72	Design of a Pair of Superconducting Solenoids for a Neutron Spin-Echo Spectrometer at the SNS. IEEE Transactions on Applied Superconductivity, 2007, 17, 1209-1212.	1.7	3

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73	High resolution neutron spectroscopyâ€”a tool for the investigation of dynamics of polymers and soft matter. <i>Comptes Rendus Physique</i> , 2007, 8, 845-864.	0.9	20
74	Hydrodynamic effects in bicontinuous microemulsions measured by inelastic neutron scattering. <i>European Physical Journal E</i> , 2007, 22, 157-161.	1.6	19
75	Dynamic heterogeneity in hydrogen-bonded polymers. <i>Physical Review E</i> , 2006, 74, 031804.	2.1	6
76	Nonflexible Coils in Solution:â€” A Neutron Spin-Echo Investigation of Alkyl-Substituted Polynorbornenes in Tetrahydrofuran. <i>Macromolecules</i> , 2006, 39, 9473-9479.	4.8	10
77	Starlike dendrimers in solutions: Structural properties and internal dynamics. <i>Journal of Chemical Physics</i> , 2006, 125, 204908.	3.0	17
78	Plasticizer effect on the dynamics of polyvinylchloride studied by dielectric spectroscopy and quasielastic neutron scattering. <i>Journal of Chemical Physics</i> , 2006, 125, 154904.	3.0	17
79	Molecular Observation of Constraint Release in Polymer Melts. <i>Physical Review Letters</i> , 2006, 96, 238302.	7.8	36
80	Correction elements for ultra-high resolution NSE spectrometer. <i>Physica B: Condensed Matter</i> , 2005, 356, 234-238.	2.7	7
81	Contour length fluctuations in polymer melts: A direct molecular proof. <i>Europhysics Letters</i> , 2005, 72, 1039-1044.	2.0	33
82	Coupled protein domain motion in Taq polymerase revealed by neutron spin-echo spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 17646-17651.	7.1	97
83	The decisive influence of local chain dynamics on the overall dynamic structure factor close to the glass transition. <i>Europhysics Letters</i> , 2005, 71, 262-268.	2.0	13
84	Bending moduli of microemulsions; comparison of results from small angle neutron scattering and neutron spin-echo spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2005, 17, S2903-S2909.	1.8	34
85	Dynamic properties of microemulsions modified with homopolymers and diblock copolymers: The determination of bending moduli and renormalization effects. <i>Journal of Chemical Physics</i> , 2005, 122, 094908.	3.0	32
86	Dynamics of deuterated polystyrene-protonated butadiene diblock copolymer micelles by neutron spin echo. <i>Journal of Chemical Physics</i> , 2005, 122, 144905.	3.0	13
87	Aspects of Neutron Spin-echo Spectrometer Operation on a Pulsed Source. <i>Journal of Neutron Research</i> , 2005, 13, 63-66.	1.1	1
88	Scientific Reviews: Exploring Microemulsions with Small Angle Neutrons Scattering and Neutron Spin-Echo Spectroscopy. <i>Neutron News</i> , 2005, 16, 22-25.	0.2	0
89	Neutron Spin Echo in Polymer Systems. , 2005, , .		142
90	Neutron Spin Echo in Polymer Systems, Chapter 1. , 2005, , 1-221.		33

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91	Self-Atomic Motions in Glass-Forming Polymers: Neutron Scattering and Molecular Dynamics Simulations Results. AIP Conference Proceedings, 2004, , .	0.4	0
92	Intermediate Length Scale Dynamics in Polymer Melts. AIP Conference Proceedings, 2004, , .	0.4	0
93	Direct observation of the crossover from $\hat{\Gamma}$ -relaxation to Rouse dynamics in a polymer melt. Europhysics Letters, 2004, 66, 239-245.	2.0	23
94	Diffusion of compact macromolecules through polymer meshes: mesh dynamics and probe dynamics. Physica B: Condensed Matter, 2004, 350, 76-78.	2.7	6
95	Hydrogen motions and the $\hat{\Gamma}$ -relaxation in glass-forming polymers: Molecular dynamics simulation and quasi-elastic neutron scattering results. Pramana - Journal of Physics, 2004, 63, 25-32.	1.8	13
96	Crossover from Rouse dynamics to the $\hat{\Gamma}$ -relaxation in poly (vinyl ethylene). Pramana - Journal of Physics, 2004, 63, 33-40.	1.8	3
97	The interaction mechanisms of triacontane paraffin with semi-crystalline poly(ethylene- \hat{a} butene) random copolymers in dilute solution studied with SANS. Physica B: Condensed Matter, 2004, 350, E927-E930.	2.7	2
98	Molecular observation of contour length fluctuations in polymer melts. Physica B: Condensed Matter, 2004, 350, 193-195.	2.7	1
99	Structural study of the influence of partially crystalline poly(ethylene butene) random copolymers on paraffin crystallization in dilute solutions. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 3113-3132.	2.1	13
100	The high-resolution neutron spin-echo spectrometer for the SNS with $\hat{\Gamma}_{s, \hat{a}} \approx 1 \hat{\Gamma} / 4$ s. Physica B: Condensed Matter, 2004, 350, 147-150.	2.7	26
101	Direct observation of the transition from free to constrained single segment motion in entangled polymer melts. Physica B: Condensed Matter, 2004, 350, 214-216.	2.7	3
102	Fluctuations of bare membranes and their modification on incorporation of polymers having equally spaced anchors. Physica B: Condensed Matter, 2004, 350, 217-219.	2.7	5
103	Concentration fluctuations in polymer gel investigated by neutron scattering: Static inhomogeneity in swollen gel. Journal of Chemical Physics, 2004, 121, 12721.	3.0	56
104	Neutron spin-echo spectrometer development for spallation sources. Physica B: Condensed Matter, 2003, 335, 153-156.	2.7	5
105	Intermediate length scale dynamics in glass forming polymers: coherent and incoherent quasielastic neutron scattering results on polyisobutylene. Chemical Physics, 2003, 292, 295-309.	1.9	21
106	Direct Observation of the Transition from Free to Constrained Single-Segment Motion in Entangled Polymer Melts. Physical Review Letters, 2003, 90, 058302.	7.8	80
107	Experimental evidence by neutron scattering of a crossover from Gaussian to non-Gaussian behavior in the $\hat{\Gamma}$ relaxation of polyisoprene. Physical Review E, 2003, 67, 051802.	2.1	82
108	Self-motion and the $\hat{\Gamma}$ -relaxation in glass-forming polymers. Molecular dynamic simulation and quasielastic neutron scattering results in polyisoprene. Journal of Physics Condensed Matter, 2003, 15, S1127-S1138.	1.8	18

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109	Chain expansion and chain localisation in the homogenous regime of blends of liquid low molar mass polysiloxanes as revealed by neutron scattering investigations. <i>E-Polymers</i> , 2003, 3, .	3.0	0
110	Neutron scattering study on the structure and dynamics of oriented lamellar phase microemulsions. <i>Physical Review E</i> , 2002, 66, 041504.	2.1	26
111	Molecular Observation of Contour-Length Fluctuations Limiting Topological Confinement in Polymer Melts. <i>Physical Review Letters</i> , 2002, 88, 058301.	7.8	93
112	Non-Gaussian Nature of the Relaxation of Glass-Forming Polyisoprene. <i>Physical Review Letters</i> , 2002, 89, 245701.	7.8	92
113	Direct observation of domain wall excitations in symmetric diblock copolymer melts at and above the order-disorder transition. <i>Europhysics Letters</i> , 2002, 58, 389-394.	2.0	7
114	Observation of Concentration Fluctuations in Polymer Gels Performed by Neutron Spin Echo. <i>Journal of Neutron Research</i> , 2002, 10, 155-162.	1.1	5
115	Neutron Spin Echo Study of Dynamics of Hydrophobically Modified Polymer-Doped Surfactant Bilayers. <i>Langmuir</i> , 2002, 18, 6-13.	3.5	20
116	Synthesis and Characterization of Model Cyclic Block Copolymers of Styrene and Butadiene. Comparison of the Aggregation Phenomena in Selective Solvents with Linear Diblock and Triblock Analogues. <i>Macromolecules</i> , 2002, 35, 5426-5437.	4.8	80
117	Dynamics of star-burst dendrimers in solution in relation to their structural properties. <i>Journal of Chemical Physics</i> , 2002, 117, 4047-4062.	3.0	126
118	Frozen concentration fluctuations in a poly(N-isopropyl acrylamide) gel studied by neutron spin echo and small-angle neutron scattering. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s399-s401.	2.3	13
119	Amphiphilic block copolymers as efficiency boosters in microemulsions: a SANS investigation of the role of polymers. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s392-s395.	2.3	10
120	Self and collective dynamics of ordered star polymer solutions. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s361-s363.	2.3	2
121	Neutron spin-echo investigation of the microemulsion dynamics. in bicontinuous, lamellar and droplet phases. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s414-s417.	2.3	4
122	Neutron scattering on partially deuterated polybutadiene. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s371-s373.	2.3	3
123	Growth process for fractal polymer aggregates formed by perfluorooctyltriethoxysilane. Time-resolved small-angle X-ray scattering spectra and the application of the unified equation. <i>Colloid and Polymer Science</i> , 2002, 280, 725-735.	2.1	11
124	Experimental aspects of polymer dynamics. <i>Polymer International</i> , 2002, 51, 1211-1218.	3.1	3
125	Soft Matter and Biology. <i>Lecture Notes in Physics</i> , 2002, , 246-267.	0.7	2
126	Dynamics of Glass Forming Polymers by Neutron Spin Echo. <i>Lecture Notes in Physics</i> , 2002, , 268-279.	0.7	2

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127	Dynamics of Hydrophobically Modified Polymer Doped Surfactant Bilayers: A Neutron Spin Echo Study. Lecture Notes in Physics, 2002, , 312-324.	0.7	0
128	Neutron Spin Echo Spectrometers of the Next Generation – Where Are the Limits?. Lecture Notes in Physics, 2002, , 201-212.	0.7	1
129	On the non-Gaussianity of chain motion in unentangled polymer melts. Journal of Chemical Physics, 2001, 114, 4285-4288.	3.0	89
130	Neutron scattering and the glass transition in polymers – present status and future opportunities. Journal of Non-Crystalline Solids, 2001, 287, 286-296.	3.1	14
131	Origin of Internal Viscosity Effects in Flexible Polymers: A Comparative Neutron Spin-Echo and Light Scattering Study on Poly(dimethylsiloxane) and Polyisobutylene. Macromolecules, 2001, 34, 1281-1290.	4.8	61
132	Neutron Scattering Investigations on the Statics and Dynamics of Polydimethyl- and Polyethylmethylsiloxane Melts. Macromolecular Chemistry and Physics, 2001, 202, 3334-3341.	2.2	3
133	Time-resolved SANS for the determination of unimer exchange kinetics in block copolymer micelles. Europhysics Letters, 2001, 55, 667-673.	2.0	95
134	Measuring bending rigidity and spatial renormalization in bicontinuous microemulsions. Europhysics Letters, 2001, 56, 683-689.	2.0	68
135	Effect of amphiphilic block copolymers on the structure and phase behavior of oil-water-surfactant mixtures. Journal of Chemical Physics, 2001, 115, 580-600.	3.0	108
136	Dynamics of bicontinuous microemulsion phases with and without amphiphilic block-copolymers. Journal of Chemical Physics, 2001, 115, 9563-9577.	3.0	86
137	Response to –Comment on –From Rouse dynamics to local relaxation: A neutron spin echo study on polyisobutylene melts– [J. Chem. Phys. 113, 11396 (2000)]. Journal of Chemical Physics, 2000, 113, 11398-11399.	3.0	8
138	Reptation in polyethylene-melts with different molecular weights. Physica B: Condensed Matter, 2000, 276-278, 337-338.	2.7	11
139	Aggregation behaviour of PE-PEP copolymers and the winterization of diesel fuel. Physica B: Condensed Matter, 2000, 276-278, 941-943.	2.7	28
140	A comparison of neutron scattering studies and computer simulations of polymer melts. Chemical Physics, 2000, 261, 61-74.	1.9	81
141	Micellization of amphiphilic diblock copolymers: Corona shape and mean-field to scaling crossover. Europhysics Letters, 2000, 51, 628-634.	2.0	76
142	Membrane Decoration by Amphiphilic Block Copolymers in Bicontinuous Microemulsions. Physical Review Letters, 2000, 85, 102-105.	7.8	83
143	Wax-Crystal Modification for Fuel Oils by Self-Aggregating Partially Crystallizable Hydrocarbon Block Copolymers. Energy & Fuels, 2000, 14, 419-430.	5.1	53
144	Neutron Spin-Echo Study of the Dynamic Behavior of Amphiphilic Diblock Copolymer Micelles in Aqueous Solution. Langmuir, 2000, 16, 9177-9185.	3.5	24

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145	Neither Gaussian chains nor hard spheres - star polymers seen as ultrasoft colloids. , 2000, , 88-92.		26
146	A neutron spin echo study of network of wormlike micelles. , 1999, , .		0
147	Space time observation of the β -process in polymers by quasielastic neutron scattering. Journal of Physics Condensed Matter, 1999, 11, A297-A306.	1.8	22
148	On the origin of the non-exponential behaviour of the β -relaxation in glass-forming polymers: incoherent neutron scattering and dielectric relaxation results. Journal of Physics Condensed Matter, 1999, 11, A363-A370.	1.8	50
149	Arbeet al.Reply:. Physical Review Letters, 1999, 82, 1336-1336.	7.8	19
150	From Rouse dynamics to local relaxation: A neutron spin echo study on polyisobutylene melts. Journal of Chemical Physics, 1999, 111, 6107-6120.	3.0	78
151	Neutron spin echo investigation of the concentration fluctuation dynamics in melts of diblock copolymers. Journal of Chemical Physics, 1999, 110, 10188-10202.	3.0	17
152	Improvement of neutron spin echo spectrometer at C2-2 of JRR3M. Journal of Physics and Chemistry of Solids, 1999, 60, 1599-1601.	4.0	16
153	Collective motions of a network of wormlike micelles. Journal of Physics and Chemistry of Solids, 1999, 60, 1371-1373.	4.0	18
154	Correction scheme for divergent beams in zero-field spin-echo spectrometers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 437, 455-458.	1.6	9
155	Molecular Dynamics of a 1,4-Polybutadiene Melt. Comparison of Experiment and Simulation. Macromolecules, 1999, 32, 8857-8865.	4.8	104
156	Intensity sharing between Brillouin and Umklapp scattering in glasses. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1999, 79, 2021-2026.	0.6	5
157	Neutron Spin Echo Spectroscopy at the NIST Center for Neutron Research. ACS Symposium Series, 1999, , 103-116.	0.5	43
158	Large scale motions in dense polymer systems. , 1999, , .		0
159	Investigation of the Dielectric $\hat{\beta}^2$ -Process in Polyisobutylene by Incoherent Quasielastic Neutron Scattering. Macromolecules, 1998, 31, 4926-4934.	4.8	44
160	Molecular Motions in Polyisobutylene: A Neutron Spin-Echo and Dielectric Investigation. Macromolecules, 1998, 31, 1133-1143.	4.8	110
161	Dynamics of Glass-Forming Polymers: "Homogeneous" versus "Heterogeneous" Scenario. Physical Review Letters, 1998, 81, 590-593.	7.8	160
162	Structure and lattice dynamics of dipolarly disordered 2,3-dimethylantracene crystals. Journal of Physics Condensed Matter, 1998, 10, 10879-10899.	1.8	4

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