

Dieter Richter

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7525373/dieter-richter-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

634
papers

21,813
citations

74
h-index

114
g-index

661
ext. papers

22,885
ext. citations

3.9
avg, IF

6.43
L-index

#	Paper	IF	Citations
634	Influence of molecular weight on the distribution of segmental relaxation in polymer grafted nanoparticles. <i>Physical Review Materials</i> , 2022 , 6,	3.2	3
633	Quasielastic neutron scattering reveals the temperature dependent rotational dynamics of densely grafted oleic acid.. <i>Journal of Chemical Physics</i> , 2022 , 156, 164908	3.9	
632	Nanosecond structural dynamics of intrinsically disordered β -casein micelles by neutron spectroscopy. <i>Biophysical Journal</i> , 2021 , 120, 5408-5420	2.9	
631	Cooperative Chain Dynamics of Tracer Chains in Highly Entangled Polyethylene Melts. <i>Physical Review Letters</i> , 2021 , 126, 187801	7.4	4
630	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	3.4	0
629	Structure and dynamics of large ring polymers. <i>Journal of Rheology</i> , 2021 , 65, 713-727	4.1	2
628	Non-Gaussian and Cooperative Dynamics of Entanglement Strands in Polymer Melts. <i>Macromolecules</i> , 2021 , 54, 11384-11391	5.5	1
627	Self-Similar Polymer Ring Conformations Based on Elementary Loops: A Direct Observation by SANS. <i>ACS Macro Letters</i> , 2020 , 9, 507-511	6.6	12
626	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
625	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	3.9	2
624	Reduced Internal Friction by Osmolyte Interaction in Intrinsically Disordered Myelin Basic Protein. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 292-296	6.4	5
623	Self-Similar Dynamics of Large Polymer Rings: A Neutron Spin Echo Study. <i>Physical Review Letters</i> , 2020 , 125, 238004	7.4	6
622	Polymer dynamics under confinement. <i>Soft Matter</i> , 2019 , 15, 7316-7349	3.6	35
621	Localised contacts lead to nanosecond hinge motions in dimeric bovine serum albumin. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 18477-18485	3.6	6
620	A better view through new glasses: Developments at the Jülich neutron spin echo spectrometers. <i>Physica B: Condensed Matter</i> , 2019 , 562, 9-12	2.8	3
619	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	1.7	23
618	Direct Assessment of Tube Dilation in Entangled Polymers. <i>Physical Review Letters</i> , 2019 , 122, 088001	7.4	13

617	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
616	Proton diffusion in the catalytic layer for high temperature polymer electrolyte fuel cells.. <i>RSC Advances</i> , 2019 , 9, 37768-37777	3.7	5
615	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	6.4	23
614	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	2.8	6
613	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	5.5	10
612	Neutronen für die Analyse von Wasserstoff in Festkörpern. <i>Vakuum in Forschung Und Praxis</i> , 2018 , 30, 41-47	0.3	1
611	Fractal diffusion in high temperature polymer electrolyte fuel cell membranes. <i>Journal of Chemical Physics</i> , 2018 , 148, 204906	3.9	5
610	Chemically defined, ultrasoft PDMS elastomers with selectable elasticity for mechanobiology. <i>PLoS ONE</i> , 2018 , 13, e0195180	3.7	11
609	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	3.6	10
608	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	6.3	13
607	Importance of Compact Random Walks for the Rheology of Transient Networks. <i>ACS Macro Letters</i> , 2017 , 6, 73-77	6.6	33
606	Description of poly(ethylenepropylene) confined in nanopores by a modified Rouse model. <i>Journal of Chemical Physics</i> , 2017 , 146, 203309	3.9	
605	Internal structure and phase transition behavior of stimuli-responsive microgels in PEG melts. <i>Soft Matter</i> , 2017 , 13, 2738-2748	3.6	8
604	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	5.5	36
603	Polymer dynamics under cylindrical confinement featuring a locally repulsive surface: A quasielastic neutron scattering study. <i>Journal of Chemical Physics</i> , 2017 , 146, 203306	3.9	12
602	A Small-Angle Neutron Scattering Study of a Soft Model Nanofiller in an Athermal Melt. <i>Macromolecules</i> , 2017 , 50, 4733-4741	5.5	6
601	Influence of morphology on physical properties of poly(2,5-benzimidazole) membranes. <i>Journal of Membrane Science</i> , 2017 , 533, 342-350	9.6	11
600	The microscopic origin of the rheology in supramolecular entangled polymer networks. <i>Journal of Rheology</i> , 2017 , 61, 1211-1226	4.1	30

599	Melt dynamics of supramolecular comb polymers: Viscoelastic and dielectric response. <i>Journal of Rheology</i> , 2017 , 61, 1185-1196	4.1	14
598	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	3.6	15
597	Polymer Chain Conformation and Dynamical Confinement in a Model One-Component Nanocomposite. <i>Physical Review Letters</i> , 2017 , 119, 047801	7.4	21
596	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	5.5	16
595	The Initiation Mechanism of Butadiene Polymerization in Aliphatic Hydrocarbons: A Full Mechanistic Approach. <i>Macromolecules</i> , 2016 , 49, 5397-5406	5.5	3
594	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	0	11
593	Molecular View on Supramolecular Chain and Association Dynamics. <i>Physical Review Letters</i> , 2016 , 117, 147802	7.4	15
592	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
591	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, 1567-78	3.6	23
590	Protein Entrapment in Polymeric Mesh: Diffusion in Crowded Environment with Fast Process on Short Scales. <i>Macromolecules</i> , 2016 , 49, 1941-1949	5.5	17
589	Electrostatic Effects on the Internal Dynamics of Redox-Sensitive Microgel Systems. <i>Macromolecules</i> , 2016 , 49, 1911-1917	5.5	12
588	Elucidation of the morphology of the hydrocarbon multi-block copolymer electrolyte membranes for proton exchange fuel cells. <i>Polymer</i> , 2016 , 86, 157-167	3.9	11
587	Monomeric Amyloid Beta Peptide in Hexafluoroisopropanol Detected by Small Angle Neutron Scattering. <i>PLoS ONE</i> , 2016 , 11, e0150267	3.7	25
586	Molecular Exchange Kinetics of Micelles: Corona Chain Length Dependence. <i>ACS Macro Letters</i> , 2016 , 5, 884-888	6.6	30
585	Fast antibody fragment motion: flexible linkers act as entropic spring. <i>Scientific Reports</i> , 2016 , 6, 22148	4.9	20
584	Branch Point Withdrawal in Elongational Startup Flow by Time-Resolved Small Angle Neutron Scattering. <i>Macromolecules</i> , 2016 , 49, 4330-4339	5.5	9
583	Small angle neutron scattering data of polymer electrolyte membranes partially swollen in water. <i>Data in Brief</i> , 2016 , 7, 599-603	1.2	
582	Sacrificial bonds enhance toughness of dual polybutadiene networks. <i>Polymer</i> , 2016 , 87, 123-128	3.9	50

581	Dynamic Structure Factor of CoreShell Microgels: A Neutron Scattering and Mesoscale Hydrodynamic Simulation Study. <i>Macromolecules</i> , 2016 , 49, 3608-3618	5.5	21
580	Influence of chain topology on polymer crystallization: poly(ethylene oxide) (PEO) rings vs. linear chains. <i>Soft Matter</i> , 2016 , 12, 8124-8134	3.6	45
579	Mixtures of polymer architectures: Probing the structure and dynamics with neutron scattering. <i>Polymer</i> , 2016 , 105, 378-392	3.9	7
578	Nanoscale Motion of Soft Nanoparticles in Unentangled and Entangled Polymer Matrices. <i>Physical Review Letters</i> , 2016 , 117, 147803	7.4	28
577	Hydrogen Bonding in a Reversible Comb Polymer Architecture: A Microscopic and Macroscopic Investigation. <i>Macromolecules</i> , 2016 , 49, 5692-5703	5.5	16
576	KWS-1 high-resolution small-angle neutron scattering instrument at JCNS: current state. <i>Journal of Applied Crystallography</i> , 2015 , 48, 61-70	3.8	107
575	Dynamic phase diagram of soft nanocolloids. <i>Nanoscale</i> , 2015 , 7, 13924-34	7.7	37
574	Asymmetric polymers in bicontinuous microemulsions and their accretion to the bending of the membrane. <i>Colloid and Polymer Science</i> , 2015 , 293, 1253-1265	2.4	6
573	How hydrophobically modified chitosans are stabilized by biocompatible lipid aggregates. <i>Journal of Colloid and Interface Science</i> , 2015 , 452, 160-168	9.3	12
572	Studying the concentration dependence of the aggregation number of a micellar model system by SANS. <i>Soft Matter</i> , 2015 , 11, 4208-17	3.6	18
571	Celebrating Soft Matter's 10th Anniversary: Topology matters: structure and dynamics of ring polymers. <i>Soft Matter</i> , 2015 , 11, 8535-49	3.6	59
570	Consequences of Increasing Packing Length on the Dynamics of Polymer Melts. <i>Macromolecules</i> , 2015 , 48, 6638-6645	5.5	20
569	Diffusion of Isobutane in Silicalite: A Neutron SpinEcho and Molecular Dynamics Simulation Study. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 26999-27006	3.8	19
568	Long wavelength undulations dominate dynamics in large surfactant membrane patches. <i>Nanoscale</i> , 2015 , 7, 2578-86	7.7	9
567	Sensing Polymer Chain Dynamics through Ring Topology: A Neutron Spin Echo Study. <i>Physical Review Letters</i> , 2015 , 115, 148302	7.4	44
566	Validity of the Stokes-Einstein Relation in Soft Colloids up to the Glass Transition. <i>Physical Review Letters</i> , 2015 , 115, 128302	7.4	30
565	Fast internal dynamics in alcohol dehydrogenase. <i>Journal of Chemical Physics</i> , 2015 , 143, 075101	3.9	25
564	Polymer dynamics in nanoconfinement: Interfaces and interphases. <i>EPJ Web of Conferences</i> , 2015 , 83, 02009	0.3	16

563	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	3.8	7
562	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	3.8	18
561	Interfaces modify the undulation spectrum of bicontinuous microemulsions. <i>EPJ Web of Conferences</i> , 2015 , 83, 02006	0.3	1
560	Effect of Core Crystallization and Conformational Entropy on the Molecular Exchange Kinetics of Polymeric Micelles. <i>ACS Macro Letters</i> , 2015 , 4, 651-655	6.6	28
559	Influence of the Solvent Quality on Ring Polymer Dimensions. <i>Macromolecules</i> , 2015 , 48, 1598-1605	5.5	44
558	Association Behavior, Diffusion, and Viscosity of End-Functionalized Supramolecular Poly(ethylene glycol) in the Melt State. <i>Macromolecules</i> , 2015 , 48, 8933-8946	5.5	22
557	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	3.9	10
556	Internal nanosecond dynamics in the intrinsically disordered myelin basic protein. <i>Journal of the American Chemical Society</i> , 2014 , 136, 6987-94	16.4	71
555	Compact structure and non-Gaussian dynamics of ring polymer melts. <i>Soft Matter</i> , 2014 , 10, 3649-55	3.6	49
554	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, 6926-30	3.6	5
553	Surfactant or block copolymer micelles? Structural properties of a series of well-defined n-alkyl-PEO micelles in water studied by SANS. <i>Soft Matter</i> , 2014 , 10, 5212-20	3.6	33
552	Anchoring vs bridging: new findings on polymer additives in bicontinuous microemulsions. <i>Langmuir</i> , 2014 , 30, 1500-5	4	8
551	Structure and dynamics of a compact state of a multidomain protein, the mercuric ion reductase. <i>Biophysical Journal</i> , 2014 , 107, 393-400	2.9	16
550	Conosolvency Effects on the Structure and Dynamics of Microgels. <i>Macromolecules</i> , 2014 , 47, 5982-5988	3.5	35
549	Slow internal protein dynamics in solution. <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 503103	1.8	22
548	Grazing incidence neutron spin echo spectroscopy: instrumentation aspects and scientific opportunities. <i>Journal of Physics: Conference Series</i> , 2014 , 528, 012025	0.3	6
547	Polymer enrichment decelerates surfactant membranes near interfaces. <i>Physical Review E</i> , 2014 , 89, 042303	2.4	15
546	Molecular scale dynamics of large ring polymers. <i>Physical Review Letters</i> , 2014 , 113, 168302	7.4	64

545	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	6.7	10
544	Experimental determination of bending rigidity and saddle splay modulus in bicontinuous microemulsions. <i>Soft Matter</i> , 2013 , 9, 2308	3.6	29
543	Rheology and Anomalous Flow Properties of Poly(ethylene-alt-propylene)Silica Nanocomposites. <i>Macromolecules</i> , 2013 , 46, 6263-6272	5.5	38
542	Polymers in 2-D confinement. <i>Soft Matter</i> , 2013 , 9, 10484	3.6	7
541	Viscosity of ring polymer melts. <i>ACS Macro Letters</i> , 2013 , 2, 874-878	6.6	107
540	Anomalous chain diffusion in unentangled model polymer nanocomposites. <i>Soft Matter</i> , 2013 , 9, 4336	3.6	45
539	Relating structure and flow of soft colloids. <i>European Physical Journal: Special Topics</i> , 2013 , 222, 2757-2773	7	
538	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
537	Microscopic dynamics of polyethylene glycol chains interacting with silica nanoparticles. <i>Physical Review Letters</i> , 2013 , 110, 178001	7.4	81
536	Direct observation of the formation of surfactant micelles under nonisothermal conditions by synchrotron SAXS. <i>Journal of the American Chemical Society</i> , 2013 , 135, 7214-22	16.4	58
535	Direct observation of nonaffine tube deformation in strained polymer networks. <i>Physical Review Letters</i> , 2013 , 110, 196002	7.4	20
534	Effect of nanoconfinement on polymer dynamics: surface layers and interphases. <i>Physical Review Letters</i> , 2013 , 110, 108303	7.4	133
533	Structure and Dynamics of Polymer Chains 2013 , 113-137		
532	Microscopic Relaxation Processes in Branched-Linear Polymer Blends by Rheo-SANS. <i>Macromolecules</i> , 2013 , 46, 9122-9133	5.5	19
531	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
530	Confinement effects in block copolymer modified bicontinuous microemulsions. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 5623-32	3.4	12
529	Molecular Approach to Supramolecular Polymer Assembly by Small Angle Neutron Scattering. <i>Macromolecules</i> , 2013 , 46, 9446-9454	5.5	24
528	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	6.6	38

527	Kinetics of Block Copolymer Micelles Studied by Small-Angle Scattering Methods. <i>Advances in Polymer Science</i> , 2013 , 51-158	1.3	54
526	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,	7.4	15
525	Collective intermolecular motions dominate the picosecond dynamics of short polymer chains. <i>Physical Review Letters</i> , 2013 , 111, 173003	7.4	10
524	Neutron Spin-Echo and TOF Reveals Protein Dynamics in Solution. <i>Journal of the Physical Society of Japan</i> , 2013 , 82, SA016	1.5	3
523	Equilibrium exchange kinetics in n-alkylPEO polymeric micelles: single exponential relaxation and chain length dependence. <i>Soft Matter</i> , 2012 , 8, 623-626	3.6	67
522	Quasielastic Neutron Scattering Study on the Dynamics of Poly(alkylene oxide)s. <i>Macromolecules</i> , 2012 , 45, 4394-4405	5.5	34
521	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
520	Polymer dynamics in responsive microgels: influence of cononsolvency and microgel architecture. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 2762-8	3.6	49
519	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
518	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
517	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	1.2	10
516	Composition and Long-Range Density Fluctuations in PEO/PMMA Polymer Blends: A Result of Asymmetric Component Mobility. <i>Macromolecules</i> , 2012 , 45, 2035-2049	5.5	23
515	Neutron Scattering 2012 , 331-361		1
514	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	1.2	73
513	Advanced rheological characterization of soft colloidal model systems. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 464102	1.8	10
512	Structure and dynamics of balanced supercritical CO ₂ -microemulsions. <i>Soft Matter</i> , 2012 , 8, 797-807	3.6	22
511	Tailored Polymer Additives for Wax (Paraffin) Crystal Control 2012 ,		2
510	Functional domain motions in proteins on the ~1-100 ns timescale: comparison of neutron spin-echo spectroscopy of phosphoglycerate kinase with molecular-dynamics simulation. <i>Biophysical Journal</i> , 2012 , 102, 1108-17	2.9	36

509	SPHERES, Jülich's high-flux neutron backscattering spectrometer at FRM II. <i>Review of Scientific Instruments</i> , 2012 , 83, 075109	1.7	69
508	Acceleration of membrane dynamics adjacent to a wall. <i>Physical Review E</i> , 2012 , 85, 041408	2.4	32
507	Structural characterization of semicrystalline polymer morphologies by imaging-SANS. <i>Journal of Physics: Conference Series</i> , 2012 , 340, 012089	0.3	
506	Microemulsions as model fluids for enhanced oil recovery: dynamics adjacent to planar hydrophilic walls. <i>EPJ Web of Conferences</i> , 2012 , 33, 03005	0.3	3
505	Future Perspectives: Moving to Longer Length and Time Scales, from Polymers to Biological Macromolecules. <i>Neutron Scattering Applications and Techniques</i> , 2012 , 145-186		1
504	Viscosity Decrease and Reinforcement in Polymer/Bis(es)quioxane Composites. <i>Macromolecules</i> , 2011 , 44, 7820-7830	5.5	104
503	Unified Description of the Viscoelastic and Dielectric Global Chain Motion in Terms of the Tube Theory. <i>Macromolecules</i> , 2011 , 44, 7430-7437	5.5	22
502	Microscopic origin of the terminal relaxation time in polymer nanocomposites: an experimental precedent. <i>Soft Matter</i> , 2011 , 7, 7988	3.6	42
501	Neutron Spin Echo Spectroscopy 2011 , 147-182		2
500	Microstructure and morphology of self-assembling multiblock poly(ethylene-1-butene)-n copolymers in solution studied by wide-Q small-angle neutron scattering and microscopy. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011 , 49, 144-158	2.6	4
499	Soft fluctuating surfactant membranes in supercritical CO ₂ -microemulsions. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 3022-5	3.6	19
498	Structure and dynamics of polymer rings by neutron scattering: breakdown of the Rouse model. <i>Soft Matter</i> , 2011 , 7, 11169	3.6	55
497	Exploring internal protein dynamics by neutron spin echo spectroscopy. <i>Soft Matter</i> , 2011 , 7, 1299-1307	3.6	36
496	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
495	Chain Conformation of Poly(alkylene oxide)s Studied by Small-Angle Neutron Scattering. <i>Macromolecules</i> , 2011 , 44, 6077-6084	5.5	21
494	Dynamics of Entangled Chains in Polymer Nanocomposites. <i>Macromolecules</i> , 2011 , 44, 5857-5860	5.5	122
493	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
492	Equilibrium Chain Exchange Kinetics of Diblock Copolymer Micelles: Effect of Morphology. <i>Macromolecules</i> , 2011 , 44, 6145-6154	5.5	53

491	Ultrasoft colloid-polymer mixtures: structure and phase diagram. <i>Physical Review Letters</i> , 2011 , 106, 228301	7.4	39
490	Recent developments in polymer dynamics investigations of architecturally complex systems. <i>European Polymer Journal</i> , 2011 , 47, 474-485	5.2	13
489	Near-surface structure of a bicontinuous microemulsion with a transition region. <i>Physical Review E</i> , 2011 , 83, 030401	2.4	34
488	Dynamical Properties of Decorated Lamellar Microemulsions in the Brush Regime. <i>Zeitschrift Fur Physikalische Chemie</i> , 2010 , 224, 243-251	3.1	1
487	Synthesis of Polymer/Silica Hybrid Nanoparticles Using Anionic Polymerization Techniques. <i>Macromolecules</i> , 2010 , 43, 856-867	5.5	37
486	Large domain fluctuations on 50-ns timescale enable catalytic activity in phosphoglycerate kinase. <i>Biophysical Journal</i> , 2010 , 99, 2309-17	2.9	52
485	Dynamics in Poly(n-alkyl methacrylates): A Neutron Scattering, Calorimetric, and Dielectric Study. <i>Macromolecules</i> , 2010 , 43, 3107-3119	5.5	47
484	Segmental and Normal Mode Relaxation of Poly(alkylene oxide)s Studied by Dielectric Spectroscopy and Rheology. <i>Macromolecules</i> , 2010 , 43, 4968-4977	5.5	35
483	Conformations of Silica/Poly(ethylene/propylene) Nanocomposites. <i>Macromolecules</i> , 2010 , 43, 9837-9847	5.5	89
482	Polymer Dynamics in Nanochannels of Porous Silicon: A Neutron Spin Echo Study. <i>Macromolecules</i> , 2010 , 43, 8162-8169	5.5	31
481	Molecular Observation of Branch Point Motion in Star Polymer Melts. <i>Macromolecules</i> , 2010 , 43, 518-524	5.5	25
480	Chain Motion in Nonentangled Dynamically Asymmetric Polymer Blends: Comparison between Atomistic Simulations of PEO/PMMA and a Generic Bead/Spring Model. <i>Macromolecules</i> , 2010 , 43, 3036-3051	5.5	41
479	Evidence of a Sticky Boundary Layer in Nanochannels: A Neutron Spin Echo Study of n-Hexatriacontane and Poly(ethylene oxide) Confined in Porous Silicon. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 3116-3121	6.4	43
478	Free Volume of Interphases in Model Nanocomposites Studied by Positron Annihilation Lifetime Spectroscopy. <i>Macromolecules</i> , 2010 , 43, 10505-10511	5.5	45
477	Direct observation of confined single chain dynamics by neutron scattering. <i>Physical Review Letters</i> , 2010 , 104, 197801	7.4	115
476	Polymer dynamics under soft confinement in a self-assembled system. <i>Soft Matter</i> , 2010 , 6, 1559	3.6	31
475	Observation of protein domain motions by neutron spectroscopy. <i>ChemPhysChem</i> , 2010 , 11, 1188-94	3.2	7
474	Design, Manufacturing and Performance of a Pair of Superconducting Solenoids for a Neutron Spin-Echo Spectrometer at the SNS. <i>IEEE Transactions on Applied Superconductivity</i> , 2009 , 19, 1320-1323	1.8	3

473	Protein in action gefilmt. <i>Physik in Unserer Zeit</i> , 2009 , 40, 9-10	0.1	1
472	Structural Properties of Weakly Segregated PSBB Block Copolymer Micelles in n-Alkanes: Solvent Entropy Effects. <i>Macromolecules</i> , 2009 , 42, 2686-2695	5.5	26
471	Polymerization of 1-Octene by a Pyridylamidohafnium Catalyst: A SEC, 1H NMR and Small Angle Neutron Scattering Study. <i>Macromolecules</i> , 2009 , 42, 1083-1090	5.5	13
470	Neutron scattering study of the dynamics of a polymer melt under nanoscopic confinement. <i>Journal of Chemical Physics</i> , 2009 , 131, 174901	3.9	59
469	Study of the dynamics of poly(ethylene oxide) by combining molecular dynamic simulations and neutron scattering experiments. <i>Journal of Chemical Physics</i> , 2009 , 130, 094908	3.9	63
468	Structural observation and kinetic pathway in the formation of polymeric micelles. <i>Physical Review Letters</i> , 2009 , 102, 188301	7.4	74
467	Unexpected power-law stress relaxation of entangled ring polymers. <i>Nature Materials</i> , 2008 , 7, 997-1002	2.7	392
466	Atomic motions in the alphabeta-merging region of 1,4-polybutadiene: a molecular dynamics simulation study. <i>Journal of Chemical Physics</i> , 2008 , 128, 224905	3.9	23
465	The JCNS neutron spin-echo spectrometer J-NSE at the FRM II. <i>Measurement Science and Technology</i> , 2008 , 19, 034022	2	43
464	Anomalous relaxation of self-assembled alkyl nanodomains in high-order poly(n-alkyl methacrylates). <i>Soft Matter</i> , 2008 , 4, 1792	3.6	59
463	Inelastic neutron scattering study of a glass-forming liquid in soft confinement. <i>Soft Matter</i> , 2008 , 4, 522-533	3.6	24
462	Hydrophilic alcohol ethoxylates as efficiency boosters for microemulsions. <i>Langmuir</i> , 2008 , 24, 6036-43	4	20
461	Chain Dynamics and Viscoelastic Properties of Poly(ethylene oxide). <i>Macromolecules</i> , 2008 , 41, 4866-4873	2.5	72
460	Small-angle neutron scattering characterization of polyhydroxyalkanoates and their BioPEGylated hybrids in solution. <i>Biomacromolecules</i> , 2008 , 9, 314-20	6.9	16
459	Self-Concentration and Interfacial Fluctuation Effects on the Local Segmental Dynamics of Nanostructured Diblock Copolymer Melts. <i>Macromolecules</i> , 2008 , 41, 511-514	5.5	28
458	Cooperative dynamics in homopolymer melts: a comparison of theoretical predictions with neutron spin echo experiments. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 16220-9	3.4	54
457	SANS Investigation and Conductivity of Pure and Salt-Containing Poly(bismethoxyphosphazene). <i>Macromolecules</i> , 2008 , 41, 2212-2218	5.5	5
456	Shear induced structures of soft colloids: Rheo-SANS experiments on kinetically frozen PEPBEO diblock copolymer micelles. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 404206	1.8	16


455	Neutron scattering investigation of a diluted blend of poly(ethylene oxide) in polyethersulfone. <i>Journal of Chemical Physics</i> , 2008 , 128, 184901	3.9	12
454	Direct observation of correlated interdomain motion in alcohol dehydrogenase. <i>Physical Review Letters</i> , 2008 , 101, 138102	7.4	71
453	Effect of Nanoscopic Confinement on the Microscopic Dynamics of Glass-Forming Liquids and Polymers Studied by Inelastic Neutron Scattering. <i>AIP Conference Proceedings</i> , 2008 ,	0	12
452	Polymer dynamics from synthetic polymers to proteins 2008 , 71, 729-738		
451	Design of a Pair of Superconducting Solenoids for a Neutron Spin-Echo Spectrometer at the SNS. <i>IEEE Transactions on Applied Superconductivity</i> , 2007 , 17, 1209-1212	1.8	3
450	Analysis of Polymeric Methylaluminoxane (MAO) via Small Angle Neutron Scattering. <i>Macromolecules</i> , 2007 , 40, 4972-4981	5.5	26
449	SANS study of polymer-linked droplets. <i>Langmuir</i> , 2007 , 23, 9559-62	4	19
448	High resolution neutron spectroscopy tool for the investigation of dynamics of polymers and soft matter. <i>Comptes Rendus Physique</i> , 2007 , 8, 845-864	1.4	17
447	Probing lateral magnetic nanostructures by polarized GISANS. <i>Physica B: Condensed Matter</i> , 2007 , 397, 43-46	2.8	11
446	Polymer dynamics: from synthetic polymers to proteins. <i>Journal of Applied Crystallography</i> , 2007 , 40, s28-s33	3.8	2
445	Unraveling the equilibrium chain exchange kinetics of polymeric micelles using small-angle neutron scattering Architectural and topological effects. <i>Journal of Applied Crystallography</i> , 2007 , 40, s327-s331	3.8	31
444	Polymer-Driven Wax Crystal Control Using Partially Crystalline Polymeric Materials. <i>Advances in Polymer Science</i> , 2007 , 1-100	1.3	11
443	Hydrodynamic effects in bicontinuous microemulsions measured by inelastic neutron scattering. <i>European Physical Journal E</i> , 2007 , 22, 157-61	1.5	14
442	Polymer chain dynamics in a random environment: heterogeneous mobilities. <i>Physical Review Letters</i> , 2007 , 98, 168301	7.4	48
441	Asymmetric poly(ethylene-alt-propylene)-poly(ethylene oxide) micelles: a system with starlike morphology and interactions. <i>Physical Review E</i> , 2007 , 76, 041503	2.4	34
440	Star Polymers: Experiment, Theory, and Simulation. <i>Advances in Chemical Physics</i> , 2007 , 67-163		122
439	Neutron spin echo study of the dynamics of micellar solutions of randomly sulphonated polystyrene. <i>Polymer</i> , 2007 , 48, 3930-3934	3.9	2
438	Architecturally induced multiresponsive vesicles from well-defined polypeptides: formation of gene vehicles. <i>Biomacromolecules</i> , 2007 , 8, 2173-81	6.9	133

437	Equilibrium exchange kinetics in PEPBEO block copolymer micelles. A time resolved SANS study. <i>Physica B: Condensed Matter</i> , 2006 , 385-386, 735-737	2.8	10
436	Synthesis and Rheological Properties of Poly(5-n-hexylnorbornene). <i>Macromolecular Chemistry and Physics</i> , 2006 , 207, 193-200	2.6	14
435	Starlike dendrimers in solutions: structural properties and internal dynamics. <i>Journal of Chemical Physics</i> , 2006 , 125, 204908	3.9	16
434	Plasticizer effect on the dynamics of polyvinylchloride studied by dielectric spectroscopy and quasielastic neutron scattering. <i>Journal of Chemical Physics</i> , 2006 , 125, 154904	3.9	15
433	Molecular observation of constraint release in polymer melts. <i>Physical Review Letters</i> , 2006 , 96, 238302	7.4	33
432	Logarithmic chain-exchange kinetics of diblock copolymer micelles. <i>Physical Review Letters</i> , 2006 , 96, 068302	7.4	102
431	A microscopic look at the reinforcement of silica-filled rubbers. <i>Journal of Chemical Physics</i> , 2006 , 124, 174908	3.9	38
430	Wax Crystallization from Solution in Hierarchical Morphology Templated by Random Poly(ethylene-co-butene) Self-assemblies. <i>Macromolecules</i> , 2006 , 39, 6142-6151	5.5	34
429	Quasielastic Neutron Scattering Study on the Effect of Blending on the Dynamics of Head-to-Head Poly(propylene) and Poly(ethylene-propylene). <i>Macromolecules</i> , 2006 , 39, 1060-1072	5.5	34
428	Local Structure of Syndiotactic Poly(methyl methacrylate). A Combined Study by Neutron Diffraction with Polarization Analysis and Atomistic Molecular Dynamics Simulations. <i>Macromolecules</i> , 2006 , 39, 3947-3958	5.5	44
427	Nonflexible Coils in Solution: A Neutron Spin-Echo Investigation of Alkyl-Substituted Polynorbornenes in Tetrahydrofuran. <i>Macromolecules</i> , 2006 , 39, 9473-9479	5.5	9
426	Equilibrium Chain Exchange Kinetics of Diblock Copolymer Micelles: Tuning and Logarithmic Relaxation. <i>Macromolecules</i> , 2006 , 39, 4566-4575	5.5	144
425	Self- and Collective Dynamics of Syndiotactic Poly(methyl methacrylate). A Combined Study by Quasielastic Neutron Scattering and Atomistic Molecular Dynamics Simulations. <i>Macromolecules</i> , 2006 , 39, 6260-6272	5.5	43
424	Neutron Spin Echo for the Exploration of Large Scale Macromolecular Dynamics. <i>Journal of the Physical Society of Japan</i> , 2006 , 75, 111004	1.5	4
423	Hierarchical structures formed by partially crystalline polymers in solution: from fundamentals to applications in a combined conventional, focusing and ultra-small-angle neutron scattering study. <i>Journal of Applied Crystallography</i> , 2006 , 40, s97-s100	3.8	2
422	SANS studies of confined diblock copolymers in microemulsions. <i>Physica B: Condensed Matter</i> , 2006 , 385-386, 738-741	2.8	6
421	Quantitative analysis of small angle neutron scattering data from montmorillonite dispersions. <i>Polymer</i> , 2006 , 47, 2147-2155	3.9	16
420	An in situ study of the t-butyllithium initiated polymerization of butadiene in d-heptane via small angle neutron scattering and ¹ H-NMR. <i>Journal of Chemical Physics</i> , 2005 , 122, 134906	3.9	24

4 ¹⁹	KWS-3: The New (Very) Small-Angle Neutron Scattering Instrument Based on Focusing-Mirror Optics. <i>Neutron News</i> , 2005 , 16, 18-21	0.4	18
4 ¹⁸	Partial Structure Factors in 1,4-Polybutadiene. A Combined Neutron Scattering and Molecular Dynamics Simulations Study. <i>Macromolecules</i> , 2005 , 38, 9847-9853	5.5	21
4 ¹⁷	Interaction of Paraffin Wax Gels with Ethylene/Vinyl Acetate Co-polymers. <i>Energy & Fuels</i> , 2005 , 19, 138-144	4.1	96
4 ¹⁶	Viscoelasticity and Microscopic Motion in Dense Polymer Systems 2005 , 513-553		1
4 ¹⁵	Correction elements for ultra-high resolution NSE spectrometer. <i>Physica B: Condensed Matter</i> , 2005 , 356, 234-238	2.8	7
4 ¹⁴	Contour length fluctuations in polymer melts: A direct molecular proof. <i>Europhysics Letters</i> , 2005 , 72, 1039-1044	1.6	29
4 ¹³	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, 17646-51	11.5	89
4 ¹²	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	1.6	13
4 ¹¹	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	27
4 ¹⁰	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	3.9	30
4 ⁰⁹	Dynamics of poly(ethylene oxide) in a blend with poly(methyl methacrylate): a quasielastic neutron scattering and molecular dynamics simulations study. <i>Physical Review E</i> , 2005 , 72, 031808	2.4	88
4 ⁰⁸	Starlike micelles with starlike interactions: a quantitative evaluation of structure factors and phase diagram. <i>Physical Review Letters</i> , 2005 , 94, 195504	7.4	63
4 ⁰⁷	Small angle neutron scattering observation of chain retraction after a large step deformation. <i>Physical Review Letters</i> , 2005 , 95, 166001	7.4	47
4 ⁰⁶	Dynamics of deuterated polystyrene-protonated butadiene diblock copolymer micelles by neutron spin echo. <i>Journal of Chemical Physics</i> , 2005 , 122, 144905	3.9	13
4 ⁰⁵	Neutron Spin Echo in Polymer Systems 2005 ,		119
4 ⁰⁴	Neutron Spin Echo in Polymer Systems 2005 , 1-221		27
4 ⁰³	Poly(ethylene-alt-propylene)/poly(ethylene oxide) diblock copolymer micelles: a colloidal model system with tunable softness. <i>Journal of Physics Condensed Matter</i> , 2004 , 16, S3821-S3834	1.8	21
4 ⁰²	Neutron scattering studies on the vibrational excitations and the structure of ordered niobium hydrides: the α phases. <i>Journal of Physics Condensed Matter</i> , 2004 , 16, 5205-5228	1.8	4

401	Hydrogen motions in the alpha-relaxation regime of poly(vinyl ethylene): a molecular dynamics simulation and neutron scattering study. <i>Journal of Chemical Physics</i> , 2004 , 121, 3282-94	3.9	25
400	Direct observation of the crossover from β -relaxation to Rouse dynamics in a polymer melt. <i>Europhysics Letters</i> , 2004 , 66, 239-245	1.6	22
399	Diffusion of compact macromolecules through polymer meshes: mesh dynamics and probe dynamics. <i>Physica B: Condensed Matter</i> , 2004 , 350, 76-78	2.8	5
398	Hydrogen motions and the β -relaxation in glass-forming polymers: Molecular dynamics simulation and quasi-elastic neutron scattering results 2004 , 63, 25-32		12
397	Crossover from Rouse dynamics to the β -relaxation in poly (vinyl ethylene) 2004 , 63, 33-40		3
396	Backscattering spectrometer RSSM for the FRM-II reactor in Munich. <i>Physica B: Condensed Matter</i> , 2004 , 350, E823-E825	2.8	2
395	Real-time SANS and $^1\text{H-NMR}$ studies during living anionic polymerization of butadiene in hydrocarbon media. <i>Physica B: Condensed Matter</i> , 2004 , 350, E921-E925	2.8	5
394	The interaction mechanisms of triacontane paraffin with semi-crystalline poly(ethylene-butene) random copolymers in dilute solution studied with SANS. <i>Physica B: Condensed Matter</i> , 2004 , 350, E927-E930	2.8	2
393	SANS studies of polymer efficiency boosting in microemulsions: block copolymers versus homopolymers. <i>Physica B: Condensed Matter</i> , 2004 , 350, E931-E933	2.8	5
392	Self-motion of protons in the β -relaxation of poly(vinyl ethylene): a neutron scattering and MD-simulation study. <i>Physica B: Condensed Matter</i> , 2004 , 350, E1091-E1093	2.8	1
391	Efficiency boosting and optional viscosity tuning in microemulsions studied by SANS. <i>Physica B: Condensed Matter</i> , 2004 , 350, 186-192	2.8	5
390	Molecular observation of contour length fluctuations in polymer melts. <i>Physica B: Condensed Matter</i> , 2004 , 350, 193-195	2.8	1
389	Structural study of the influence of partially crystalline poly(ethylene butene) random copolymers on paraffin crystallization in dilute solutions. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004 , 42, 3113-3132	2.6	10
388	KWS-3, the new focusing-mirror ultra small-angle neutron scattering instrument and reflectometer at Jülich. <i>Physica B: Condensed Matter</i> , 2004 , 350, E779-E781	2.8	21
387	Dynamics of confined glass-forming systems observed by neutron scattering. <i>Physica B: Condensed Matter</i> , 2004 , 350, E1115-E1118	2.8	11
386	The high-resolution neutron spin-echo spectrometer for the SNS with λ_{min} . <i>Physica B: Condensed Matter</i> , 2004 , 350, 147-150	2.8	25
385	Tuning of structure and kinetics of chain exchange in star-like PEP-PEO block copolymer micelles. <i>Physica B: Condensed Matter</i> , 2004 , 350, E909-E912	2.8	13
384	Direct observation of the transition from free to constrained single segment motion in entangled polymer melts. <i>Physica B: Condensed Matter</i> , 2004 , 350, 214-216	2.8	3

383	Fluctuations of bare membranes and their modification on incorporation of polymers having equally spaced anchors. <i>Physica B: Condensed Matter</i> , 2004 , 350, 217-219	2.8	5
382	Rheological Properties of 1,4-Polyisoprene over a Large Molecular Weight Range. <i>Macromolecules</i> , 2004 , 37, 8135-8144	5.5	82
381	Role of Interfacial Tension for the Structure of PEPPEO Polymeric Micelles. A Combined SANS and Pendant Drop Tensiometry Investigation. <i>Macromolecules</i> , 2004 , 37, 9984-9993	5.5	56
380	A SANS Study of the Self-Assembly in Solution of Syndiotactic Polypropylene Homopolymers, Syndiotactic Polypropylene-block-poly(ethylene-co-propylene) Diblock Copolymers, and an Alternating Atactic/Isotactic Multisegment Polypropylene. <i>Macromolecules</i> , 2004 , 37, 6962-6971	5.5	44
379	Small-Angle Neutron Scattering Study of the Relaxation of a Melt of Polybutadiene H-Polymers Following a Large Step Strain. <i>Macromolecules</i> , 2004 , 37, 5054-5064	5.5	31
378	Concentration fluctuations in polymer gel investigated by neutron scattering: static inhomogeneity in swollen gel. <i>Journal of Chemical Physics</i> , 2004 , 121, 12721-31	3.9	50
377	Microemulsion efficiency boosting and the complementary effect. 1. Structural properties. <i>Langmuir</i> , 2004 , 20, 10433-43	4	45
376	A New View of the Anionic Diene Polymerization Mechanism. <i>Macromolecular Symposia</i> , 2004 , 215, 1-15	0.8	22
375	New Frontiers in the Application of Neutron Scattering to Materials Science. <i>MRS Bulletin</i> , 2003 , 28, 903-906	0	0
374	Self-motion and the β -relaxation in glass-forming polymers. Molecular dynamic simulation and quasielastic neutron scattering results in polyisoprene. <i>Journal of Physics Condensed Matter</i> , 2003 , 15, S1127-S1138	1.8	17
373	Silica filled elastomers: polymer chain and filler characterization in the undeformed state by a SANS/SAXS approach. <i>Polymer</i> , 2003 , 44, 7505-7512	3.9	39
372	Neutron spin-echo spectrometer development for spallation sources. <i>Physica B: Condensed Matter</i> , 2003 , 335, 153-156	2.8	5
371	Polymer dynamics from large to small scales. <i>Journal of Applied Crystallography</i> , 2003 , 36, 389-396	3.8	2
370	Co-crystallization of poly(ethylene-butene) copolymers and paraffin molecules in decane studied with small-angle neutron scattering. <i>Journal of Applied Crystallography</i> , 2003 , 36, 995-999	3.8	9
369	Intermediate length scale dynamics in glass forming polymers: coherent and incoherent quasielastic neutron scattering results on polyisobutylene. <i>Chemical Physics</i> , 2003 , 292, 295-309	2.3	20
368	Partial Structure Factors of Polyisoprene: Neutron Scattering and Molecular Dynamics Simulation. <i>Macromolecules</i> , 2003 , 36, 238-248	5.5	28
367	Neutron Scattering Studies of Dynamics: A New Frontier in Materials Science. <i>MRS Bulletin</i> , 2003 , 28, 913-917	3.2	1
366	Direct observation of the transition from free to constrained single-segment motion in entangled polymer melts. <i>Physical Review Letters</i> , 2003 , 90, 058302	7.4	73

365	Experimental evidence by neutron scattering of a crossover from Gaussian to non-Gaussian behavior in the alpha relaxation of polyisoprene. <i>Physical Review E</i> , 2003 , 67, 051802	2.4	77
364	Polymer Dynamics by Dielectric Spectroscopy and Neutron Scattering  Comparison 2003 , 685-718		2
363	Partial structure factors in star polymer/colloid mixtures. <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 74, s355-s357	2.6	7
362	Relaxation of entangled model H-shaped polymers: a SANS investigation. <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 74, s380-s382	2.6	3
361	Polymer boosting effect in the droplet phase studied by small-angle neutron scattering. <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 74, s408-s410	2.6	11
360	Component dynamics in polymer blends: a combined QENS and dielectric spectroscopy investigation. <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 74, s442-s444	2.6	6
359	Micellization of symmetric PEP-PEO block copolymers in water: molecular weight dependence. <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 74, s499-s501	2.6	22
358	Crystallization of paraffin in decane in the presence of PEB-7 ethyleneButene random copolymers. <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 74, s411-s413	2.6	3
357	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	2.6	13
356	Composites reinforcement by rods: a SAS study. <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 74, s510-s512	2.6	
355	Silica-filled elastomers: polymer chain and filler characterization by a SANS-SAXS approach. <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 74, s513-s515	2.6	3
354	Status of the high-flux backscattering spectrometer RSSM for the FRM-II reactor in Munich. <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 74, s133-s135	2.6	8
353	The length-scale dependence of strain in networks by SANS. <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 74, s368-s370	2.6	2
352	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	2.6	9
351	Self and collective dynamics of ordered star polymer solutions. <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 74, s361-s363	2.6	2
350	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	2.6	3
349	The European spallation source. <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 74, s18-s22	2.6	2
348	Neutron scattering on partially deuterated polybutadiene. <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 74, s371-s373	2.6	3

347	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	2.4	9
346	An in situ rheological and SANS investigation of the crosslinking reaction of polyisoprene and dicumyl peroxide. <i>Rheologica Acta</i> , 2002 , 41, 475-482	2.3	5
345	Experimental aspects of polymer dynamics. <i>Polymer International</i> , 2002 , 51, 1211-1218	3.3	2
344	Melt-state polymer chain dimensions as a function of temperature. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2002 , 40, 1768-1776	2.6	35
343	Real time SANS study on head group self-assembly for lithium based anionic polymerizations. <i>Polymer</i> , 2002 , 43, 7101-7109	3.9	17
342	Filled elastomers: polymer chain and filler characterization by a SANSBAXS approach. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002 , 304, 230-234	3.3	17
341	Intermediate length scale dynamics of polyisobutylene. <i>Physical Review E</i> , 2002 , 65, 051803	2.4	77
340	Neutron scattering study on the structure and dynamics of oriented lamellar phase microemulsions. <i>Physical Review E</i> , 2002 , 66, 041504	2.4	22
339	Molecular observation of contour-length fluctuations limiting topological confinement in polymer melts. <i>Physical Review Letters</i> , 2002 , 88, 058301	7.4	82
338	Non-Gaussian nature of the alpha relaxation of glass-forming polyisoprene. <i>Physical Review Letters</i> , 2002 , 89, 245701	7.4	83
337	Heterogeneous structure of poly(vinyl chloride) as the origin of anomalous dynamical behavior. <i>Journal of Chemical Physics</i> , 2002 , 117, 1336-1350	3.9	28
336	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	1.6	7
335	Observation of Concentration Fluctuations in Polymer Gels Performed by Neutron Spin Echo. <i>Journal of Neutron Research</i> , 2002 , 10, 155-162	0.5	4
334	Self-Assembling Behavior in Decane Solution of Potential Wax Crystal Nucleators Based on Poly(co-olefins). <i>Macromolecules</i> , 2002 , 35, 861-870	5.5	26
333	Cocrystallization of a Poly(ethyleneButene) Random Copolymer with C24 in n-Decane. <i>Macromolecules</i> , 2002 , 35, 3762-3768	5.5	28
332	Neutron SpinEcho Study of Dynamics of Hydrophobically Modified Polymer-Doped Surfactant Bilayers. <i>Langmuir</i> , 2002 , 18, 6-13	4	18
331	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	5.5	73
330	Prediction of Melt State Poly(olefin) Rheological Properties: The Unsuspected Role of the Average Molecular Weight per Backbone Bond. <i>Macromolecules</i> , 2002 , 35, 10096-10101	5.5	97

329	Interaction of Paraffin Wax Gels with Random Crystalline/Amorphous Hydrocarbon Copolymers. <i>Macromolecules</i> , 2002 , 35, 7044-7053	5.5	98
328	Arm Relaxation in Deformed H-Polymers in Elongational Flow by SANS. <i>Macromolecules</i> , 2002 , 35, 6650-6664	5.5	35
327	Dynamics of star-burst dendrimers in solution in relation to their structural properties. <i>Journal of Chemical Physics</i> , 2002 , 117, 4047-4062	3.9	112
326	Inelastic neutron scattering experiments on the dynamics of a glass-forming material in mesoscopic confinement. <i>Journal of Non-Crystalline Solids</i> , 2002 , 307-310, 547-554	3.9	49
325	Partial structure factors of a simulated polymer melt. <i>Computational Materials Science</i> , 2002 , 25, 596-605	3.2	5
324	Dynamics of Hydrophobically Modified Polymer Doped Surfactant Bilayers: A Neutron Spin Echo Study. <i>Lecture Notes in Physics</i> , 2002 , 312-324	0.8	
323	Dynamics of Glass Forming Polymers by Neutron Spin Echo. <i>Lecture Notes in Physics</i> , 2002 , 268-279	0.8	2
322	Neutron Scattering Investigations on the Statics and Dynamics of Polydimethyl- and Polyethylmethylsiloxane Melts. <i>Macromolecular Chemistry and Physics</i> , 2001 , 202, 3334-3341	2.6	3
321	Phase separation in star-polymer-colloid mixtures. <i>Physical Review E</i> , 2001 , 64, 010401	2.4	37
320	Amphiphilic block copolymers in oil-water-surfactant mixtures: efficiency boosting, structure, phase behaviour and mechanism. <i>Journal of Physics Condensed Matter</i> , 2001 , 13, 9055-9074	1.8	22
319	Time-resolved SANS for the determination of unimer exchange kinetics in block copolymer micelles. <i>Europhysics Letters</i> , 2001 , 55, 667-673	1.6	84
318	Measuring bending rigidity and spatial renormalization in bicontinuous microemulsions. <i>Europhysics Letters</i> , 2001 , 56, 683-689	1.6	57
317	Effect of amphiphilic block copolymers on the structure and phase behavior of oil/water-surfactant mixtures. <i>Journal of Chemical Physics</i> , 2001 , 115, 580-600	3.9	91
316	Dynamics of bicontinuous microemulsion phases with and without amphiphilic block-copolymers. <i>Journal of Chemical Physics</i> , 2001 , 115, 9563-9577	3.9	75
315	On the non-Gaussianity of chain motion in unentangled polymer melts. <i>Journal of Chemical Physics</i> , 2001 , 114, 4285-4288	3.9	74
314	Neutron scattering and the glass transition in polymers [present status and future opportunities]. <i>Journal of Non-Crystalline Solids</i> , 2001 , 287, 286-296	3.9	11
313	Origin of Internal Viscosity Effects in Flexible Polymers: A Comparative Neutron Spin-Echo and Light Scattering Study on Poly(dimethylsiloxane) and Polyisobutylene. <i>Macromolecules</i> , 2001 , 34, 1281-1290	5.5	58
312	On the Length Scale Dependence of Microscopic Strain by SANS. <i>Macromolecules</i> , 2001 , 34, 2186-2194	5.5	26

311	Response to Comment on From Rouse dynamics to local relaxation: A neutron spin echo study on polyisobutylene melts [J. Chem. Phys. 113, 11396 (2000)]. <i>Journal of Chemical Physics</i> , 2000 , 113, 11398-11399 ⁶	3.9	6
310	The evaluation of polyethylene chain dimensions as a function of concentration in nonadecane. <i>Macromolecular Chemistry and Physics</i> , 2000 , 201, 500-504	2.6	13
309	The backscattering spectrometer for the FRM II reactor in Munich. <i>Physica B: Condensed Matter</i> , 2000 , 291, 310-313	2.8	2
308	X-ray space technology for focusing small-angle neutron scattering and neutron reflectometry. <i>Physica B: Condensed Matter</i> , 2000 , 283, 330-332	2.8	19
307	Phase space transformation used at the FRM II backscattering spectrometer: concepts and technical realization. <i>Physica B: Condensed Matter</i> , 2000 , 283, 361-364	2.8	4
306	Space technology from X-ray telescopes for focusing SANS and reflectometry. <i>Physica B: Condensed Matter</i> , 2000 , 276-278, 52-54	2.8	5
305	Neutron scattering in polymer physics. <i>Physica B: Condensed Matter</i> , 2000 , 276-278, 22-29	2.8	14
304	Reptation in polyethylene-melts with different molecular weights. <i>Physica B: Condensed Matter</i> , 2000 , 276-278, 337-338	2.8	10
303	Chain deformation in filled elastomers: a SANS approach. <i>Physica B: Condensed Matter</i> , 2000 , 276-278, 371-372	2.8	7
302	Aggregation behaviour of PEBEP copolymers and the winterization of diesel fuel. <i>Physica B: Condensed Matter</i> , 2000 , 276-278, 941-943	2.8	24
301	A comparison of neutron scattering studies and computer simulations of polymer melts. <i>Chemical Physics</i> , 2000 , 261, 61-74	2.3	69
300	Inelastic neutron scattering experiments on the fast dynamics of a glass forming liquid in mesoscopic confinements. <i>European Physical Journal Special Topics</i> , 2000 , 10, Pr7-83-Pr7-86		13
299	Comment on "What is the entanglement length in a polymer melt?" by M. Pütz, K. Kremer and G. S. Grest. <i>Europhysics Letters</i> , 2000 , 52, 719-720	1.6	8
298	Micellization of amphiphilic diblock copolymers: Corona shape and mean-field to scaling crossover. <i>Europhysics Letters</i> , 2000 , 51, 628-634	1.6	69
297	Origin of dynamic heterogeneities in miscible polymer blends: A quasielastic neutron scattering study. <i>Physical Review Letters</i> , 2000 , 85, 772-5	7.4	57
296	Membrane decoration by amphiphilic block copolymers in bicontinuous microemulsions. <i>Physical Review Letters</i> , 2000 , 85, 102-5	7.4	68
295	Wax-Crystal Modification for Fuel Oils by Self-Aggregating Partially Crystallizable Hydrocarbon Block Copolymers. <i>Energy & Fuels</i> , 2000 , 14, 419-430	4.1	47
294	Neutron Spin Echo Study of the Dynamic Behavior of Amphiphilic Diblock Copolymer Micelles in Aqueous Solution. <i>Langmuir</i> , 2000 , 16, 9177-9185	4	23

293	The evaluation of polyethylene chain dimensions as a function of concentration in nonadecane 2000 , 201, 500		1
292	Neither Gaussian chains nor hard spheres - star polymers seen as ultrasoft colloids 2000 , 88-92		22
291	Design and optimisation of a backscattering spectrometer using a phase space transformation and super mirror guides. <i>Journal of Neutron Research</i> , 1999 , 8, 119-132	0.5	10
290	Space time observation of the α -process in polymers by quasielastic neutron scattering. <i>Journal of Physics Condensed Matter</i> , 1999 , 11, A297-A306	1.8	21
289	Excited-state vibrational tunnel splitting of hydrogen trapped by nitrogen in niobium. <i>Europhysics Letters</i> , 1999 , 48, 187-193	1.6	8
288	On the origin of the non-exponential behaviour of the α -relaxation in glass-forming polymers: incoherent neutron scattering and dielectric relaxation results. <i>Journal of Physics Condensed Matter</i> , 1999 , 11, A363-A370	1.8	46
287	Brillouin and Umklapp scattering in polybutadiene: comparison of neutron and x-ray scattering. <i>Physical Review E</i> , 1999 , 60, R2464-7	2.4	22
286	High-frequency dynamics of glass-forming polybutadiene. <i>Physical Review E</i> , 1999 , 59, 4470-4475	2.4	45
285	Spatial correlations in polycarbonates: Neutron scattering and simulation. <i>Journal of Chemical Physics</i> , 1999 , 110, 1819-1830	3.9	63
284	Polymer dynamics in bimodal polyethylene melts: A study with neutron spin echo spectroscopy and pulsed field gradient nuclear magnetic resonance. <i>Journal of Chemical Physics</i> , 1999 , 110, 10171-10187	3.9	12
283	Arbe et al. Reply:. <i>Physical Review Letters</i> , 1999 , 82, 1336-1336	7.4	17
282	Reply to Comment on Merging of the α and β relaxations in polybutadiene: A neutron spin echo and dielectric study <i>Physical Review E</i> , 1999 , 60, 1103-1105	2.4	31
281	From Rouse dynamics to local relaxation: A neutron spin echo study on polyisobutylene melts. <i>Journal of Chemical Physics</i> , 1999 , 111, 6107-6120	3.9	70
280	Neutron spin echo investigation of the concentration fluctuation dynamics in melts of diblock copolymers. <i>Journal of Chemical Physics</i> , 1999 , 110, 10188-10202	3.9	17
279	Improvement of neutron spin echo spectrometer at C2-2 of JRR3M. <i>Journal of Physics and Chemistry of Solids</i> , 1999 , 60, 1599-1601	3.9	14
278	The sub-neV resolution NSE spectrometer IN15 at the Institute Laue-Langevin. <i>Physica B: Condensed Matter</i> , 1999 , 266, 49-55	2.8	32
277	Collective motions of a network of wormlike micelles. <i>Journal of Physics and Chemistry of Solids</i> , 1999 , 60, 1371-1373	3.9	15
276	Segmental Dynamics in Poly(vinylethylene)/Polyisoprene Miscible Blends Revisited. A Neutron Scattering and Broad-Band Dielectric Spectroscopy Investigation. <i>Macromolecules</i> , 1999 , 32, 7572-7581	5.5	99

275	Molecular Dynamics of a 1,4-Polybutadiene Melt. Comparison of Experiment and Simulation. <i>Macromolecules</i> , 1999 , 32, 8857-8865	5.5	95
274	Effect of Blending on the PVME Dynamics. A Dielectric, NMR, and QENS Investigation. <i>Macromolecules</i> , 1999 , 32, 4065-4078	5.5	128
273	Self-Assembling Behavior of Butadienyllithium Headgroups in Benzene via SANS Measurements. <i>Macromolecules</i> , 1999 , 32, 5321-5329	5.5	26
272	Sphere to Rod Transition of Micelles Formed by Amphiphilic Diblock Copolymers of Vinyl Ethers in Aqueous Solution. <i>Macromolecules</i> , 1999 , 32, 697-703	5.5	61
271	Amphiphilic Block Copolymers as Efficiency Boosters for Microemulsions. <i>Langmuir</i> , 1999 , 15, 6707-6711	14	134
270	Matrix Chain Deformation in Reinforced Networks: a SANS Approach. <i>Macromolecules</i> , 1999 , 32, 5793-5802	62	
269	Intensity sharing between Brillouin and Umklapp scattering in glasses. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1999 , 79, 2021-2026		5
268	Fast-dynamics in plasticized poly(vinyl chloride). <i>Journal of Non-Crystalline Solids</i> , 1998 , 235-237, 169-173	9	4
267	Investigation of the Dielectric beta-Process in Polyisobutylene by Incoherent Quasielastic Neutron Scattering. <i>Macromolecules</i> , 1998 , 31, 4926-34	5.5	42
266	Molecular Motions in Polyisobutylene: A Neutron Spin-Echo and Dielectric Investigation. <i>Macromolecules</i> , 1998 , 31, 1133-1143	5.5	102
265	Self-Assembling Behavior of Living Polymers. <i>Macromolecules</i> , 1998 , 31, 4189-4197	5.5	45
264	Dynamics of Glass-Forming Polymers: Homogeneous versus Heterogeneous Scenario. <i>Physical Review Letters</i> , 1998 , 81, 590-593	7.4	148
263	Structure and lattice dynamics of dipolarly disordered 2,3-dimethylantracene crystals. <i>Journal of Physics Condensed Matter</i> , 1998 , 10, 10879-10899	1.8	3
262	Orientalional effects on low-energy modes in amorphous poly(ethylene terephthalate) fiber. <i>Journal of Chemical Physics</i> , 1998 , 109, 10456-10463	3.9	4
261	Clear Evidence of Reptation in Polyethylene from Neutron Spin-Echo Spectroscopy. <i>Physical Review Letters</i> , 1998 , 81, 124-127	7.4	120
260	Comment on 'Lozenge Contour Plots in Scattering from Polymer Networks'. <i>Physical Review Letters</i> , 1998 , 80, 5449-5449	7.4	6
259	Ordering phenomena of star polymer solutions approaching the β state. <i>Physical Review E</i> , 1998 , 58, 6299-6307	2.4	52
258	Chain Motion in an Unentangled Polyethylene Melt: A Critical Test of the Rouse Model by Molecular Dynamics Simulations and Neutron Spin Echo Spectroscopy. <i>Physical Review Letters</i> , 1998 , 80, 2346-2349	7.4	143

257	Neutron-scattering studies on the vibrational excitations and the structure of ordered niobium hydrides: The e phase. <i>Physical Review B</i> , 1998 , 57, 11115-11124	3.3	10
256	Star Polymers Viewed as Ultrasoft Colloidal Particles. <i>Physical Review Letters</i> , 1998 , 80, 4450-4453	7.4	426
255	Neutron scattering investigation of a macroscopic single crystal of a lyotropic L ₁ phase. <i>Europhysics Letters</i> , 1998 , 43, 135-140	1.6	3
254	Structure and dynamics of star polymers 1998 , 25-28		11
253	Dynamics of polybutadienes with different microstructures. 2. Dielectric response and comparisons with rheological behavior. <i>Journal of Chemical Physics</i> , 1997 , 107, 3645-3655	3.9	59
252	Local dynamics in a long-chain alkane melt from molecular dynamics simulations and neutron scattering experiments. <i>Journal of Chemical Physics</i> , 1997 , 107, 4751-4755	3.9	47
251	Dynamics of star polymers: Evidence for a structural glass transition. <i>Physical Review E</i> , 1997 , 56, R3772-R3775	2.1	29
250	Neutron Spin Echo Investigations on the Segmental Dynamics of Polymers in Melts, Networks and Solutions 1997 , 1-129		89
249	Neutron spin echo investigations in the fast and slow relaxation regime of polybutadiene. <i>Macromolecular Symposia</i> , 1997 , 121, 147-161	0.8	1
248	Association behavior of living anionic lipophobic head-groups in hydrocarbon milieu. <i>Macromolecular Symposia</i> , 1997 , 121, 1-26	0.8	2
247	Dynamical aspects of self-organized (macro) molecular systems investigated by neutron spin-echo spectroscopy 1997 , 112-117		
246	Synthesis and Characterization of Poly[1,4-isoprene-b-(ethylene oxide)] and Poly[ethylene-co-propylene-b-(ethylene oxide)] Block Copolymers. <i>Macromolecules</i> , 1997 , 30, 1582-1586	5.5	104
245	Polymer Aggregates with Crystalline Cores: The System Polyethylene/Poly(ethylenepropylene). <i>Macromolecules</i> , 1997 , 30, 1053-1068	5.5	158
244	Structural Investigation of Micelles Formed by an Amphiphilic PEP/PEO Block Copolymer in Water. <i>Macromolecules</i> , 1997 , 30, 7462-7471	5.5	89
243	Influence of Polymer Architecture on the Formation of Micelles of Miktoarm Star Copolymers Polyethylene/Poly(ethylenepropylene) in the Selective Solvent Decane. <i>Macromolecules</i> , 1997 , 30, 7171-7182	5.5	78
242	Structure and microdomain structure of ordered niobium hydrides and deuterides by means of neutron scattering. <i>Journal of Alloys and Compounds</i> , 1997 , 253-254, 258-259	5.7	3
241	On the dynamics of polymers in dense systems [Results of neutron spin echo spectroscopy 1997 , 106, 3-18		3
240	Dynamics of bimodal polymer melts in the crossover-region from Rouse-to reptation-like behaviour: A study with NSE-spectroscopy. <i>Physica B: Condensed Matter</i> , 1997 , 234-236, 258-259	2.8	3

239	Strain amplification effects in polymer networks. <i>Physica B: Condensed Matter</i> , 1997 , 234-236, 306-307	2.8	20
238	Coherent quasielastic scattering from internal relaxations in polymers. <i>Physica B: Condensed Matter</i> , 1997 , 234-236, 437-441	2.8	7
237	High-resolution focusing SANS with a toroidal neutron mirror. <i>Physica B: Condensed Matter</i> , 1997 , 234-236, 1052-1054	2.8	31
236	The long-wavelength neutron spin-echo spectrometer IN15 at the Institut Laue-Langevin. <i>Physica B: Condensed Matter</i> , 1997 , 241-243, 164-165	2.8	28
235	Dynamic structure factors due to relaxation processes in glass-forming polymers. <i>Physica B: Condensed Matter</i> , 1997 , 241-243, 1005-1012	2.8	11
234	Micellization of vinyl ether amphiphilic block copolymers by small-angle neutron scattering. <i>Physica B: Condensed Matter</i> , 1997 , 241-243, 1038-1040	2.8	1
233	SANS investigations of topological constraints and microscopic deformation in polymer networks. <i>Physica B: Condensed Matter</i> , 1997 , 234-236, 236-239	2.8	
232	The Jülich neutron spin-echo spectrometer I Design and performance. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1997 , 399, 301-323	1.2	111
231	Dynamical aspects of self-organized (macro) molecular systems investigated by neutron spin-echo spectroscopy. <i>Progress in Colloid and Polymer Science</i> , 1997 , 106, 112-117		4
230	The glass transition in polymer melts - results from neutron scattering. <i>Journal of Physics Condensed Matter</i> , 1996 , 8, 9177-9190	1.8	15
229	SANS Investigations of Topological Constraints in Networks Made from Triblock Copolymers. <i>Macromolecules</i> , 1996 , 29, 6165-6174	5.5	24
228	Aggregation Phenomena of Model PS/PI Super-H-Shaped Block Copolymers. Influence of the Architecture. <i>Macromolecules</i> , 1996 , 29, 581-591	5.5	91
227	Dynamics at the Glass Transition in Polymers: Results from Neutron Spectroscopy. <i>Materials Research Society Symposia Proceedings</i> , 1996 , 455, 3		1
226	On the insensitivity of the asymptotic behaviour of small-angle neutron and X-ray scattering data to multiple scattering. <i>Journal of Applied Crystallography</i> , 1996 , 29, 591-592	3.8	1
225	Ground state and excited state hydrogen tunnelling in Nb _{1-x} Ti _x H _y . <i>Physica B: Condensed Matter</i> , 1996 , 226, 210-212	2.8	5
224	Deconvolution of neutron scattering data: a new computational approach. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1996 , 378, 275-283	1.2	8
223	Influence of the microstructure on the incoherent neutron scattering of glass-forming polybutadienes. <i>Journal of Chemical Physics</i> , 1996 , 105, 1189-1197	3.9	14
222	Is the Fast Process at the Glass Transition Mainly due to Long Wavelength Excitations?. <i>Physical Review Letters</i> , 1996 , 77, 4035-4038	7.4	70

221	Study of the dynamic structure factor in the beta relaxation regime of polybutadiene. <i>Physical Review Letters</i> , 1996 , 76, 1872-1875	7.4	82
220	Segmental mobilities in an athermal diblock copolymer melt far above T _g by incoherent neutron scattering. <i>Journal of Chemical Physics</i> , 1996 , 105, 1208-1213	3.9	10
219	Merging of the alpha and beta relaxations in polybutadiene: A neutron spin echo and dielectric study. <i>Physical Review E</i> , 1996 , 54, 3853-3869	2.4	245
218	What does Neutron Spectroscopy tell on the Dynamics of Amphiphilic Layers ? 1996 , 7-60		
217	Boson peak and fast relaxation process near the glass transition in polystyrene. <i>Colloid and Polymer Science</i> , 1995 , 273, 413-420	2.4	30
216	Dynamics of polymer brushes [What can neutron spin-echo spectroscopy contribute?]. <i>Physica B: Condensed Matter</i> , 1995 , 213-214, 707-711	2.8	7
215	Neutron scattering study of the picosecond dynamics of polybutadiene and polyisoprene. <i>Physical Review E</i> , 1995 , 52, 781-795	2.4	184
214	Quantum diffusion and localization of positive muons in superconducting aluminum. <i>Physical Review B</i> , 1995 , 52, 6417-6423	3.3	22
213	Small-angle neutron scattering investigation of topological constraints and tube deformation in networks. <i>Physical Review Letters</i> , 1995 , 74, 4464-4467	7.4	54
212	Rheological Investigation of Polybutadienes Having Different Microstructures over a Large Temperature Range. <i>Macromolecules</i> , 1995 , 28, 8552-8562	5.5	76
211	Low-energy vibrations and octahedral site occupation in Nb ₉ S ₅ H(D)y. <i>Journal of Alloys and Compounds</i> , 1995 , 231, 144-146	5.7	5
210	Hydration dependence of chain dynamics and local diffusion in L-alpha-dipalmitoylphosphatidylcholine multilayers studied by incoherent quasi-elastic neutron scattering. <i>Biophysical Journal</i> , 1995 , 68, 1871-80	2.9	75
209	The microscopic basis of the glass transition in polymers from neutron scattering studies. <i>Science</i> , 1995 , 267, 1939-45	33.3	291
208	A SANS-Based Evaluation of the Chain Dimension Temperature Dependence of Poly(ethylene) under .THETA.-Conditions. <i>Macromolecules</i> , 1995 , 28, 5262-5266	5.5	10
207	The dynamics of polymer melts as seen by neutron spin echo spectroscopy. <i>Macromolecular Symposia</i> , 1995 , 90, 131-149	0.8	4
206	Dynamics of microemulsions as seen by neutron spin echo. <i>Physica B: Condensed Matter</i> , 1995 , 213-214, 712-717	2.8	55
205	Dynamics of hydrogen in alpha -LaNi ₅ hydride investigated by neutron scattering. <i>Physical Review B</i> , 1994 , 50, 853-865	3.3	35
204	Neutron scattering study of the vibration-relaxation crossover in amorphous polycarbonates. <i>Physical Review Letters</i> , 1994 , 73, 2344-2347	7.4	92

203	Aggregating block copolymers as model systems to study polymer brush dynamics. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1994 , 16, 747-755		8
202	Short-range order effects in amorphous polycondensates as studied by spin polarized diffuse neutron scattering and simulation. <i>Colloid and Polymer Science</i> , 1994 , 272, 1403-1419	2.4	5
201	Neutron spin echo studies on the segmental diffusion behavior in the different chain sections of high molecular weight poly(dimethylsiloxane) melts. <i>Acta Polymerica</i> , 1994 , 45, 143-147		15
200	A consistent view of methyl rotational tunnelling and lattice dynamics in acetamide. <i>Physica B: Condensed Matter</i> , 1994 , 202, 252-255	2.8	2
199	Connection between Polymer Molecular Weight, Density, Chain Dimensions, and Melt Viscoelastic Properties. <i>Macromolecules</i> , 1994 , 27, 4639-4647	5.5	1595
198	The fast relaxation process near the glass transition in amorphous polymers with different microstructure. <i>Journal of Non-Crystalline Solids</i> , 1994 , 172-174, 272-285	3.9	21
197	Structure and topology of silica aerogels during densification. <i>Journal of Non-Crystalline Solids</i> , 1994 , 172-174, 647-655	3.9	7
196	Neutron spin echo investigations on the segmental dynamics in semidilute polymer solutions under Θ and good solvent conditions. <i>Journal of Non-Crystalline Solids</i> , 1994 , 172-174, 1023-1027	3.9	7
195	Polymer Motion at the Crossover from Rouse to Reptation Dynamics. <i>Macromolecules</i> , 1994 , 27, 7437-7446	4.9	55
194	SANS Investigations of Topological Constraints and Microscopic Deformations in Rubber-Elastic Networks. <i>Macromolecules</i> , 1994 , 27, 7681-7688	5.5	27
193	Structural Investigation of Star Polymers in Solution by Small-Angle Neutron Scattering. <i>Macromolecules</i> , 1994 , 27, 3821-3829	5.5	139
192	Change of the vibrational dynamics near the glass transition in polyisobutylene: Inelastic neutron scattering on a nonfragile polymer. <i>Physical Review B</i> , 1993 , 47, 14795-14804	3.3	132
191	Methyl rotational potentials and transferable pair potentials in toluene. <i>Journal of Chemical Physics</i> , 1993 , 98, 5653-5661	3.9	26
190	On the origins of entanglement constraints. <i>Macromolecules</i> , 1993 , 26, 795-804	5.5	95
189	Dynamics of disordered materials II. <i>Neutron News</i> , 1993 , 4, 13-14	0.4	8
188	On the dynamics of dense polymer systems 1993 , 130-134		3
187	Neutron Spin Echo Study of Membrane Undulations in Lipid Multibilayers. <i>Europhysics Letters</i> , 1993 , 23, 457-462	1.6	73
186	Collective dynamics of tethered chains: Breathing modes. <i>Physical Review Letters</i> , 1993 , 71, 1015-1018	7.4	47

185	Onset of topological constraints in polymer melts: A mode analysis by neutron spin echo spectroscopy. <i>Physical Review Letters</i> , 1993 , 71, 4158-4161	7.4	47
184	Large scale motion in polymer melts, a neutron spin echo study. <i>Physica Scripta</i> , 1993 , T49A, 242-246	2.6	1
183	The effect of microscopic spatial restrictions on the segmental diffusion of dense polymer systems: Their observation and analysis by neutron spin echo spectroscopy 1993 , 121-123		8
182	Scaling properties and ordering phenomena of star polymers in solution. <i>European Physical Journal Special Topics</i> , 1993 , 03, C8-3-C8-12		9
181	Neutron scattering experiments on the glass transition of polymers. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1993 , 201, 52-66	3.3	47
180	Inelastic fast relaxation in a weakly fragile polymer glass near T _g . <i>Physica A: Statistical Mechanics and Its Applications</i> , 1993 , 201, 88-94	3.3	19
179	Ordering Phenomena of Star Polymers in Solution by SANS. <i>Europhysics Letters</i> , 1992 , 19, 297-303	1.6	48
178	Decoupling of time scales of motion in polybutadiene close to the glass transition. <i>Physical Review Letters</i> , 1992 , 68, 71-74	7.4	119
177	Richter et al. reply. <i>Physical Review Letters</i> , 1992 , 69, 1621	7.4	12
176	Entanglement constraints in polymer melts. A neutron spin echo study. <i>Macromolecules</i> , 1992 , 25, 6156-6164	6.5	77
175	Characterization of star polymers in solution by small angle neutron scattering. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1992 , 61, 122-129		0
174	Temperature dependence of the unperturbed dimensions of alternating poly(ethylene-propylene). <i>Macromolecules</i> , 1992 , 25, 954-960	5.5	30
173	Structure and topology of silica aerogels. <i>Journal of Non-Crystalline Solids</i> , 1992 , 145, 105-112	3.9	27
172	Inelastic neutron scattering from virgin and densified aerogels. <i>Journal of Non-Crystalline Solids</i> , 1992 , 145, 121-127	3.9	8
171	Small-angle neutron scattering evaluation of the temperature dependence of atactic polypropylene and poly(1-butene) chain dimensions in the melt. <i>Macromolecules</i> , 1992 , 25, 6148-6155	5.5	42
170	Molecular dynamics of lipid bilayers studied by incoherent quasi-elastic neutron scattering. <i>Journal De Physique II</i> , 1992 , 2, 1589-1615		108
169	Hydrogen potential in ϵ -Zn studied by deep inelastic neutron scattering. <i>Physica B: Condensed Matter</i> , 1992 , 180-181, 651-652	2.8	
168	Hydrogen diffusion in single crystalline ϵ -LaNi ₅ hydride. <i>Physica B: Condensed Matter</i> , 1992 , 180-181, 697-699	2.8	2

167	Neutron spin echo investigations on molecular motion in polymers. <i>Physica B: Condensed Matter</i> , 1992 , 180-181, 7-14	2.8	5
166	Short range order in amorphous polycarbonates. <i>Physica B: Condensed Matter</i> , 1992 , 180-181, 515-518	2.8	18
165	Comparative study of the segmental relaxation in polyisoprene by quasi-elastic neutron scattering and dielectric spectroscopy. <i>Physica B: Condensed Matter</i> , 1992 , 180-181, 534-536	2.8	41
164	Dynamics of hydrogen in intermetallic hydrides. <i>Topics in Applied Physics</i> , 1992 , 97-163	0.5	12
163	Polymer Dynamics 1992 , 111-144		
162	Neutron Scattering Experiments in the Neighborhood of the Glass Transition in Polybutadiene β Test of Mode Coupling. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1991 , 95, 1111-1118		12
161	Structure of The Diblock Co-Polymer Aggregates in Solution. <i>Materials Research Society Symposia Proceedings</i> , 1991 , 248, 355		1
160	On the dynamics of dense polymer systems. <i>Physica B: Condensed Matter</i> , 1991 , 174, 209-217	2.8	1
159	Muon diffusion in V_2H . <i>Hyperfine Interactions</i> , 1991 , 64, 649-656	0.8	3
158	Quantum diffusion of the positive muon in the superconducting state of Al. <i>Hyperfine Interactions</i> , 1991 , 64, 737-741	0.8	19
157	Quasi-elastic neutron scattering studies of collective and correlated tracer diffusion in the systems ZrNbD_x and ZrNbH_x . <i>Journal of the Less Common Metals</i> , 1991 , 172-174, 585-594		1
156	Study of the hydrogen jump geometry in an LaNi_5H_x single crystal using quasi-elastic neutron scattering. <i>Journal of the Less Common Metals</i> , 1991 , 172-174, 595-602		21
155	Low temperature tunnelling and quantum diffusion of hydrogen $\text{Nb}(\text{NH})_x$. <i>Journal of the Less Common Metals</i> , 1991 , 172-174, 685-692		2
154	Influence of superconductivity on quantum diffusion of the positive muon in aluminium. <i>Journal of the Less Common Metals</i> , 1991 , 172-174, 759-761		1
153	Hydrogen site distribution in the alloy system $\text{Nb}_{100-x}\text{V}_x\text{H}_y$ studied by neutron vibrational spectroscopy. <i>Journal of the Less Common Metals</i> , 1991 , 172-174, 281-292		8
152	Kinetic energy of hydrogen in V_2H studied by neutron Compton scattering. <i>Journal of the Less Common Metals</i> , 1991 , 172-174, 301-306		2
151	DEMUX/MUX: removal of multiple scattering from small-angle data. <i>Journal of Applied Crystallography</i> , 1991 , 24, 955-958	3.8	10
150	A set of routines for efficient and accurate computation of lattice sums of-potentials. <i>Computer Physics Communications</i> , 1991 , 67, 343-355	4.2	6

149	Quantum Diffusion of Trapped-Hydrogen Interstitials in Nb: The Role of the Tunnel Splitting. <i>Europhysics Letters</i> , 1991 , 16, 211-216	1.6	18
148	Rotational tunneling of methane on MgO surfaces: A neutron scattering study. <i>Journal of Chemical Physics</i> , 1991 , 95, 6997-7000	3.9	46
147	Anderson et al. reply. <i>Physical Review Letters</i> , 1991 , 66, 2415	7.4	0
146	Microscopic and macroscopic evaluation of fundamental facets of the entanglement concept. <i>Physical Review Letters</i> , 1991 , 66, 2088-2091	7.4	21
145	Investigation of the glass transition in polymers under the aspect of mode coupling predictions. <i>Journal of Non-Crystalline Solids</i> , 1991 , 131-133, 169-176	3.9	26
144	Neutron spin Echo investigations on the dynamics of polymer systems. <i>Journal of Non-Crystalline Solids</i> , 1991 , 131-133, 604-611	3.9	2
143	Neutron scattering studies on the relation between structure and dynamics of star-shaped polymers. <i>Journal of Non-Crystalline Solids</i> , 1991 , 131-133, 697-702	3.9	2
142	Dynamical Scaling in Polymer Solutions 1991 , 491-506		
141	A study of tracer and collective diffusional processes in β -NbD _{0.7} at 600 K using quasielastic neutron scattering with spin analysis. <i>Journal of Physics Condensed Matter</i> , 1990 , 2, 79-94	1.8	58
140	Dynamics of weakly connected solids: Silica aerogels. <i>Physical Review Letters</i> , 1990 , 64, 2316-2319	7.4	35
139	Direct microscopic observation of the entanglement distance in a polymer melt. <i>Physical Review Letters</i> , 1990 , 64, 1389-1392	7.4	108
138	Temperature dependence of the nonergodicity parameter in polybutadiene in the neighborhood of the glass transition. <i>Physical Review Letters</i> , 1990 , 64, 2921-2924	7.4	181
137	Neutron Spin Echo Investigations on the Dynamics of Polymers. <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , 1990 , 180, 93-100		1
136	Rapid low-temperature hopping of hydrogen in a pure metal: The ScHx system. <i>Physical Review Letters</i> , 1990 , 65, 1439-1442	7.4	42
135	On the relation between structure and dynamics of star polymers in dilute solution. <i>Macromolecules</i> , 1990 , 23, 1845-1856	5.5	38
134	Microemulsion shape fluctuation measured by neutron spin echo 1990 , 60-63		15
133	Shape and size fluctuations of microemulsion droplets: The role of cosurfactant. <i>Physical Review Letters</i> , 1990 , 65, 3348-3351	7.4	140
132	Neutron Scattering Investigation of Metastable Phases of Titanium Hydride after Quenching under High Pressure*. <i>Zeitschrift Fur Physikalische Chemie</i> , 1989 , 163, 709-714	3.1	4

131	The positive muon in the intermetallic hydride ZrV ₂ H _x : A muon tracer study supplemented by differential thermoanalysis, neutron vibrational spectroscopy, and quasielastic neutron scattering. <i>Journal of Chemical Physics</i> , 1989 , 90, 1935-1949	3.9	54
130	Microscopic dynamics and topological constraints in polymer melts: A neutron-spin-echo study. <i>Physical Review Letters</i> , 1989 , 62, 2140-2143	7.4	75
129	Local Dynamics of Lipid Bilayers Studied by Incoherent Quasi-Elastic Neutron Scattering. <i>Europhysics Letters</i> , 1989 , 8, 201-206	1.6	115
128	Structural Changes near the Glass Transition—Neutron Diffraction on a Simple Polymer. <i>Europhysics Letters</i> , 1989 , 9, 557-562	1.6	113
127	Coherent quasi-elastic scattering from a NbD _x lattice gas of interacting particles. <i>Physica B: Condensed Matter</i> , 1989 , 156-157, 121-124	2.8	3
126	The fluctuations of cross-links in a rubber [A neutron spin echo study] <i>Physica B: Condensed Matter</i> , 1989 , 156-157, 426-429	2.8	4
125	Shape fluctuation of microemulsion droplets. <i>Physica B: Condensed Matter</i> , 1989 , 156-157, 452-455	2.8	6
124	Fundamentals and properties of some Ti/Mn based Laves phase hydrides. <i>International Journal of Hydrogen Energy</i> , 1989 , 14, 187-200	6.7	69
123	Quantum diffusion of positive muons in copper. <i>Physical Review B</i> , 1989 , 39, 23-41	3.3	72
122	Hydrogen sites in amorphous Pd ₈₅ Si ₁₅ H _x probed by neutron vibrational spectroscopy. <i>Journal of Physics Condensed Matter</i> , 1989 , 1, 1061-1070	1.8	13
121	A study of single-arm relaxation in a polystyrene star polymer by neutron spin echo spectroscopy. <i>Macromolecules</i> , 1989 , 22, 468-472	5.5	16
120	Dynamics of Star-Branched Polymers in Solution. <i>Materials Research Society Symposia Proceedings</i> , 1989 , 166, 457		
119	Neutron spin-echo investigations on the dynamics of polymer systems 1989 , 53-62		5
118	Monte Carlo Simulation Study of a Microscopic Model for H Diffusion in Amorphous Pd _{1-x} Si _y H _x Alloys*. <i>Zeitschrift Fur Physikalische Chemie</i> , 1989 , 163, 411-416	3.1	1
117	Hydrogen Diffusion in a One Domain β -V ₂ H Single Crystal*. <i>Zeitschrift Fur Physikalische Chemie</i> , 1989 , 164, 907-920	3.1	9
116	Diffusional Processes in Polymer Networks as Studied by Neutron Spin Echo Spectroscopy. <i>Springer Proceedings in Physics</i> , 1989 , 82-98	0.2	2
115	Polymer Dynamics Near the Glass Transition. <i>Springer Proceedings in Physics</i> , 1989 , 38-52	0.2	3
114	Hydrogen Potential in β -V ₂ H Studied by Deep Inelastic Neutron Scattering 1989 , 213-220		

113	Dynamics of Silica Networks. <i>Springer Proceedings in Physics</i> , 1989 , 297-303	0.2	1
112	Neutron Spin Echo Investigation on the Dynamics of Star Polymers. <i>Springer Proceedings in Physics</i> , 1989 , 206-213	0.2	
111	Neutron spin-echo investigations on the dynamics of polymers. <i>Journal of Applied Crystallography</i> , 1988 , 21, 715-728	3.8	7
110	Study of the glass transition order parameter in amorphous polybutadiene by incoherent neutron scattering. <i>European Physical Journal B</i> , 1988 , 70, 73-79	1.2	153
109	Neutron-spin-echo investigation on the dynamics of polybutadiene near the glass transition. <i>Physical Review Letters</i> , 1988 , 61, 2465-2468	7.4	235
108	Dynamic fluctuations of crosslinks in a rubber: A neutron-spin-echo study. <i>Physical Review Letters</i> , 1988 , 60, 1041-1044	7.4	48
107	Melting in two dimensions: The ethylene-on-graphite system. <i>Physical Review Letters</i> , 1988 , 61, 432-435	7.4	56
106	Diffusion and trapping of muons in aluminum: New experiments and comparison with Kondo theory. <i>Physical Review B</i> , 1988 , 37, 4425-4440	3.3	63
105	Nonadiabatic Low-Temperature Quantum Diffusion of Hydrogen in Nb(OH) x. <i>Europhysics Letters</i> , 1988 , 6, 535-540	1.6	73
104	Collective Relaxation, Single Particle Motion and Short Range Order in β -NbD x : A Quasielastic Neutron Scattering Study. <i>Zeitschrift Fur Physikalische Chemie</i> , 1988 , 159, 175-184	3.1	22
103	Neutron Spin Echo Studies of Intramolecular Motion in Dense Polymer Systems. <i>Springer Proceedings in Physics</i> , 1988 , 156-169	0.2	2
102	Effect of Crosslinking and Deformation on the Dynamics of Polymer Chains by the Neutron Spin Echo Technique. <i>Springer Proceedings in Physics</i> , 1988 , 208-213	0.2	1
101	Density of states in fractal silica smoke-particle aggregates. <i>Physical Review Letters</i> , 1987 , 59, 1212-1215	7.4	43
100	High-energy-neutron vibrational spectroscopy on beta-V2H. <i>Physical Review Letters</i> , 1987 , 58, 1016-1019	7.4	32
99	Collective relaxation of star polymers-A neutron spin-echo study. <i>Physical Review Letters</i> , 1987 , 58, 2462-2465	7.4	30
98	Study of dynamics of microemulsion droplets by neutron spin-echo spectroscopy. <i>Physical Review Letters</i> , 1987 , 59, 2600-2603	7.4	122
97	10. Hydrogen in Metals. <i>Methods in Experimental Physics</i> , 1987 , 23, 131-186		3
96	Neutron spin echo studies on the segmental dynamics of macromolecules. <i>Advances in Solid State Physics</i> , 1987 , 1-26		1

95	Structure and dynamics of an 2D hydrogen bonded adlayer π -imidazole on grafoil. <i>Surface Science</i> , 1987 , 191, 547-578	1.8	6
94	Electronic structure of pyrrole-based conducting polymers. <i>Synthetic Metals</i> , 1987 , 18, 71-76	3.6	6
93	Direct Spectroscopy of Microemulsion Droplet Fluctuations 1987 , 465-469		
92	Quantum Diffusion of Light Interstitials in Metals. <i>Springer Proceedings in Physics</i> , 1987 , 140-152	0.2	1
91	Fracton Excitation in Silica Smoke-Particle Aggregates 1987 , 251-254		
90	Neutron scattering from fractals. <i>Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics</i> , 1986 , 136, 285-290		11
89	Implanted muon study of superlattice ordering in palladium hydride PdH _{0.64} . <i>Hyperfine Interactions</i> , 1986 , 31, 105-111	0.8	3
88	The motion of light interstitials in metals: Recent experiments. <i>Hyperfine Interactions</i> , 1986 , 31, 169-184	0.8	8
87	Diffusion of positive muons in copper detected by zero-field μ SR. <i>Hyperfine Interactions</i> , 1986 , 31, 205-210	0.8	12
86	Low temperature diffusion and trapping of muons in aluminium: New experiments and comparison with theory. <i>Hyperfine Interactions</i> , 1986 , 31, 223-228	0.8	3
85	Muon diffusion in Nb δ systems. <i>Hyperfine Interactions</i> , 1986 , 31, 241-245	0.8	5
84	Electronic structure of pyrrole-based conducting polymers: An electron-energy-loss-spectroscopy study. <i>Physical Review B</i> , 1986 , 34, 1101-1115	3.3	49
83	Hydrogen diffusion mechanism in amorphous Pd ₈₅ Si ₁₅ H _{7.5} : A neutron-scattering study. <i>Physical Review Letters</i> , 1986 , 57, 731-734	7.4	34
82	Hydrogen Diffusion in Amorphous Liquid-Quenched PdxSi _{1-x} Hy Measured by QNS. <i>Springer Proceedings in Physics</i> , 1986 , 126-131	0.2	2
81	Localized Vibrations of Hydrogen in Metals. <i>Springer Proceedings in Physics</i> , 1986 , 170-175	0.2	2
80	Hydrogen Diffusion in Amorphous Pd ₈₀ Si ₂₀ H ₃ μ SR Quasielastic Neutron Scattering Study. <i>NATO ASI Series Series B: Physics</i> , 1986 , 273-282		
79	Mechanism of Hydrogen Diffusion in Intermetallic Hydrides. <i>Springer Proceedings in Physics</i> , 1986 , 121-125		
78	Observation of an oscillatory behavior of the zero-field μ spin relaxation function in pure copper. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1985 , 107, 279-282	2.3	13

77	Precise measurement of low temperature diffusion of positive muons in Cu: Evidence for the effect of muon-electron interaction in metals. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1985 , 109, 61-64	2.3	33
76	Chemical structure and internal diffusion within polymer chains in the melt. <i>European Physical Journal B</i> , 1985 , 58, 305-310	1.2	5
75	Dynamics of dilute H in beta -phase palladium deuteride: A novel mass defect. <i>Physical Review B</i> , 1985 , 31, 6102-6103	3.3	18
74	Screening of hydrodynamic interactions in dense polymer solutions: a phenomenological theory and neutron-scattering investigations. <i>The Journal of Physical Chemistry</i> , 1984 , 88, 6618-6633		58
73	Neutron-Scattering Study of Ethylene Motions on Graphite Surfaces. <i>Physical Review Letters</i> , 1984 , 53, 814-817	7.4	24
72	Magnetoresistance of iodine-doped polyacetylene at low temperatures. <i>Solid State Communications</i> , 1984 , 49, 107-110	1.6	12
71	μ diffusion in copper studied by zero field μ R. <i>Hyperfine Interactions</i> , 1984 , 17, 109-115	0.8	32
70	Mobility of muons in Cu below 2 K. <i>Hyperfine Interactions</i> , 1984 , 17, 117-124	0.8	6
69	Initial or thermally controlled impurity trapping of muons in niobium?. <i>Hyperfine Interactions</i> , 1984 , 17, 183-190	0.8	5
68	On muon localization in doped aluminium samples. <i>Hyperfine Interactions</i> , 1984 , 17, 197-201	0.8	4
67	The positive muon as a tracer for the study of metal hydrogen systems. <i>Hyperfine Interactions</i> , 1984 , 17, 261-266	0.8	4
66	Direct determination of the anharmonic vibrational potential for H in Pd. <i>European Physical Journal B</i> , 1984 , 55, 283-286	1.2	99
65	Localized hydrogen modes in LaNi ₅ H _x . <i>Journal of the Less Common Metals</i> , 1984 , 104, 1-12		49
64	Hydrogen diffusion in ZrV ₂ H ₄ studied by muon spin rotation and quasi-elastic neutron scattering. <i>Journal of the Less Common Metals</i> , 1984 , 104, 209-210		2
63	Localized mode energies and hydrogen potential in refractory metals. <i>Journal of the Less Common Metals</i> , 1983 , 89, 293-306		12
62	Hydrogen diffusion in the storage compound Ti _{0.8} Zr _{0.2} CrMnH ₃ . <i>Journal of Physics F: Metal Physics</i> , 1983 , 13, 59-68		28
61	Trap identification and impurity-induced localization of muons in Nb. <i>Physical Review B</i> , 1983 , 27, 1943-1946	3.6	21
60	The positive muon as a tracer for the study of dynamic correlation effects in metal hydrogen systems. <i>Journal of Chemical Physics</i> , 1983 , 79, 4564-4575	3.9	22

59	Inelastic neutron scattering studies of vibrational excitations of hydrogen in Nb and Ta. <i>Physical Review B</i> , 1983 , 27, 1980-1990	3-3	51
58	Localized modes and hydrogen trapping in niobium with substitutional impurities. <i>Physical Review B</i> , 1983 , 27, 6227-6233	3-3	27
57	Local hydrogen vibrations in Nb in the presence of interstitial (N,O) and substitutional (V) impurities. <i>Physical Review B</i> , 1983 , 27, 927-934	3-3	101
56	Transport mechanisms of light interstitials in metals. <i>Springer Tracts in Modern Physics</i> , 1983 , 85-222	0.1	17
55	Features and performance of a gravity spectrometer for ultracold neutrons. <i>European Physical Journal B</i> , 1983 , 50, 281-288	1.2	18
54	Muon diffusion in copper below 2K. <i>European Physical Journal B</i> , 1983 , 52, 303-313	1.2	22
53	Diffusion of Positive Muons in Aluminum and Aluminum-Based Alloys 1983 , 513-518		
52	Influence of Substitutional and Interstitial Impurities on Local Hydrogen Modes in Nb 1983 , 171-176		
51	Optic phonon modes and superconductivity in β phase (Ti, Zr)-(H, D) alloys. <i>Journal of Physics F: Metal Physics</i> , 1982 , 12, 79-86		52
50	Observation of small-particle excitations by inelastic neutron scattering. <i>Physical Review B</i> , 1982 , 26, 4078-4087	3-3	7
49	Richter et al. Respond. <i>Physical Review Letters</i> , 1982 , 48, 1695-1695	7-4	23
48	Muon diffusion and trapping in aluminum and dilute aluminum alloys: Experiments and comparison with small-polaron theory. <i>Physical Review B</i> , 1982 , 26, 567-590	3-3	113
47	Hydrogen mobility in Ti _{1.2} Mn _{1.8} hydride: A quasi-elastic neutron scattering study. <i>Journal of the Less Common Metals</i> , 1982 , 88, 343-351		32
46	Hydrogen diffusion in LaNi ₅ H ₆ studied by quasi-elastic neutron scattering. <i>Journal of the Less Common Metals</i> , 1982 , 88, 353-360		58
45	On the packing properties of poly(acetylene) chains. <i>Polymer</i> , 1982 , 23, 1581-1586	3-9	6
44	Quasielastic neutron scattering study of dynamics at the crossover from dilute to semidilute behavior in polymer solutions. <i>Journal of Polymer Science, Polymer Letters Edition</i> , 1982 , 20, 233-240		15
43	Muon motion in pure and weakly doped aluminium. <i>Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics</i> , 1981 , 108, 879-881		1
42	Localized vibrations of H and D in Ta and their relation to the H(D) potential. <i>Zeitschrift für Physik B Condensed Matter and Quanta</i> , 1981 , 44, 159-165		48

41	Localization, diffusion and trapping of positive muons in Al and dilute AlMn and AlLi compounds. <i>Hyperfine Interactions</i> , 1981 , 8, 681-684	0.8	12
40	Dynamics of Collective Fluctuations and Brownian Motion in Polymer Melts. <i>Physical Review Letters</i> , 1981 , 47, 109-113	7.4	56
39	Lattice dynamics and low-frequency excitations of transition-metal hydrides: NbD _x , NbH _x , and TaD _x . <i>Physical Review B</i> , 1981 , 23, 1594-1604	3.3	22
38	Observation of low-energy excitations in NbD: A simple lattice-dynamical model. <i>Physical Review B</i> , 1981 , 23, 1605-1608	3.3	7
37	Optic modes in FeTiH _{1.14} . <i>Journal of Physics F: Metal Physics</i> , 1981 , 11, L101-L105		10
36	Trapping of Positive Muons in Dilute Aluminium Alloys 1981 , 7-13		1
35	Muons as Light Hydrogen Probes-Diffusion and Trapping. <i>Materials Research Society Symposia Proceedings</i> , 1980 , 3, 233		
34	Analysis of Surface Structure. <i>Journal of Molecular Structure</i> , 1980 , 60, 415-420	3.4	5
33	Motion of hydrogen and water adsorbed on fuel cell catalysts, examined by neutron scattering. <i>Journal of Molecular Structure</i> , 1980 , 60, 443-448	3.4	1
32	Studies of μ^+ Localization in Cu, Al, and Al Alloys in the Temperature Interval 0.03-100 K. <i>Physical Review Letters</i> , 1980 , 44, 337-340	7.4	80
31	Study of the temperature dependence of the localized vibrations of H and D in niobium. <i>Physical Review B</i> , 1980 , 22, 599-605	3.3	63
30	Dynamics at the Temperature Crossover in Dilute Polymer Solutions Investigated by Neutron Spin-Echo Spectroscopy. <i>Physical Review Letters</i> , 1980 , 45, 2121-2124	7.4	14
29	Neutron Scattering as a Probe of Small-Particle Dynamics in Hydroxylated Amorphous Silica. <i>Physical Review Letters</i> , 1980 , 44, 1593-1597	7.4	19
28	Phase transitions in crystals of chain molecules. Relation between defect structures and molecular motion in the four modifications of n-C ₃₃ H ₆₈ . <i>Faraday Discussions of the Chemical Society</i> , 1980 , 69, 19		154
27	Segmental Diffusion of Polymer Molecules in Solution As Studied by Means of Quasi-Elastic Neutron Scattering. <i>Macromolecules</i> , 1980 , 13, 876-880	5.5	7
26	Hydrogen Diffusion and Trapping in BCC and FCC Metals 1980 , 245-281		
25	Stochastic theory of spin depolarization of muons diffusing in the presence of traps. <i>Hyperfine Interactions</i> , 1979 , 6, 219-222	0.8	13
24	Muon diffusion in niobium in the presence of traps. <i>Hyperfine Interactions</i> , 1979 , 6, 229-232	0.8	21

23	Some aspects of muon diffusion in face-centred cubic metals. <i>Hyperfine Interactions</i> , 1979 , 6, 289-294	0.8	1
22	Present status of proton diffusion studies. <i>Hyperfine Interactions</i> , 1979 , 6, 193-201	0.8	3
21	Study of the Diffusion of Hydrogen in Potential Hydrogen Storage Materials. <i>Zeitschrift Fur Physikalische Chemie</i> , 1979 , 116, 175-183	3.1	30
20	Diffusion of Positive Muons in Nb and Fe in Presence of Impurities. <i>Zeitschrift Fur Physikalische Chemie</i> , 1979 , 117, 145-153	3.1	1
19	Dynamical Scaling in Polymer Solutions Investigated by the Neutron Spin Echo Technique. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1979 , 83, 380-381		
18	Investigation of the hydrogen diffusion in FeTiHxby means of quasielastic neutron scattering. <i>Journal of Physics F: Metal Physics</i> , 1979 , 9, 1057-1064		20
17	Stochastic theory of spin depolarization of muons diffusing in the presence of traps. <i>Zeitschrift Für Physik B Condensed Matter and Quanta</i> , 1978 , 32, 49-58		64
16	Diffusion of hydrogen in niobium in the presence of trapping impurities studied by neutron spectroscopy. <i>Physical Review B</i> , 1978 , 18, 126-140	3.3	75
15	The influence of impurities on interstitial diffusion. <i>Journal of Physics F: Metal Physics</i> , 1978 , 8, 433-446		38
14	Dynamical Scaling in Polymer Solutions Investigated by the Neutron Spin-Echo Technique. <i>Physical Review Letters</i> , 1978 , 41, 1484-1487	7.4	61
13	Muon Diffusion in Niobium in the Presence of Traps. <i>Physical Review Letters</i> , 1978 , 40, 1723-1726	7.4	64
12	Study of molecular motion in modification C of the n-alkane n-C33H68 by means of incoherent quasielastic neutron scattering. <i>Journal of Chemical Physics</i> , 1978 , 69, 2954-2963	3.9	29
11	Coherent Propagation and Strain-Induced Localization of Muons in Al. <i>Physical Review Letters</i> , 1978 , 41, 1055-1058	7.4	50
10	Investigation of the anomalous temperature dependence of the self-diffusion constant of hydrogen in niobium by quasielastic neutron scattering. <i>Journal of Physics F: Metal Physics</i> , 1977 , 7, 569-574		32
9	On the detection of nuclear spin waves by inelastic neutron scattering. <i>Zeitschrift Für Physik B Condensed Matter and Quanta</i> , 1977 , 28, 23-30		7
8	Ein Modell zur Beschreibung der Schwingungen von Polyäthylen. <i>Colloid and Polymer Science</i> , 1977 , 255, 111-119	2.4	5
7	Study of Hyperfine Interactions in Solids by Inelastic Spin Flip Scattering of Neutrons 1977 , 258-262		
6	The influence of dissolved nitrogen on hydrogen diffusion in niobium studied by neutron spectroscopy. <i>Journal of Physics F: Metal Physics</i> , 1976 , 6, L93-L97		35

5	Incoherent scattering law for diffusion in crystals with random impurities. <i>Solid State Communications</i> , 1976 , 20, 477-480	1.6	32
4	Investigation of the hyperfine fields in the compounds LaCo ₁₃ , LaCo ₅ , YCo ₅ and ThCo ₅ by means of inelastic neutron scattering. <i>Zeitschrift für Physik B Condensed Matter and Quanta</i> , 1975 , 22, 367-372		57
3	Investigation of the hyperfine splitting of protons in TbH _{1.9} by means of incoherent spin flip scattering of neutrons. <i>Journal of Magnetism and Magnetic Materials</i> , 1975 , 2, 109-112	2.8	6
2	Structural and Dynamical Roles of Bound Polymer Chains in Rubber Reinforcement. <i>Macromolecules</i> ,	5.5	3
1	Neutron Scattering in Polymers1-38		