

Hans Wolfgang Spiess

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4683867/publications.pdf>

Version: 2024-02-01

445
papers

27,025
citations

6486

82
h-index

11608

140
g-index

449
all docs

449
docs citations

449
times ranked

19554
citing authors

#	ARTICLE	IF	CITATIONS
1	Extraordinary Acceleration of Cogwheel Helical Self-Organization of Dendronized Perylene Bisimides by the Dendron Sequence Encoding Their Tertiary Structure. <i>Journal of the American Chemical Society</i> , 2020, 142, 9525-9536.	6.6	42
2	Sequence-Defined Dendrons Dictate Supramolecular Cogwheel Assembly of Dendronized Perylene Bisimides. <i>Journal of the American Chemical Society</i> , 2019, 141, 15761-15766.	6.6	34
3	<i>50th Anniversary Perspective</i>: The Importance of NMR Spectroscopy to Macromolecular Science. <i>Macromolecules</i> , 2017, 50, 1761-1777.	2.2	59
4	Screening Libraries of Semifluorinated Arylene Bisimides to Discover and Predict Thermodynamically Controlled Helical Crystallization. <i>ACS Combinatorial Science</i> , 2016, 18, 723-739.	3.8	23
5	Hierarchical Self-Organization of Perylene Bisimides into Supramolecular Spheres and Periodic Arrays Thereof. <i>Journal of the American Chemical Society</i> , 2016, 138, 14798-14807.	6.6	56
6	Magnetic resonance imaging of ¹ H long lived states derived from parahydrogen induced polarization in a clinical system. <i>Journal of Magnetic Resonance</i> , 2016, 262, 68-72.	1.2	18
7	A supramolecular helix that disregards chirality. <i>Nature Chemistry</i> , 2016, 8, 80-89.	6.6	147
8	Interplay of Structure and Dynamics in Functional Macromolecular and Supramolecular Systems As Revealed by Magnetic Resonance Spectroscopy. <i>Chemical Reviews</i> , 2016, 116, 1272-1308.	23.0	99
9	X-Band DNP Hyperpolarization of Viscous Liquids and Polymer Melts. <i>Macromolecular Rapid Communications</i> , 2015, 36, 885-889.	2.0	20
10	High-temperature in situ crystallographic observation of reversible gas sorption in impermeable organic cages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 14156-14161.	3.3	27
11	Fast-field-cycling relaxometry enhanced by Dynamic Nuclear Polarization. <i>Microporous and Mesoporous Materials</i> , 2015, 205, 70-74.	2.2	17
12	Molecular structure and local dynamic in impact polypropylene copolymers studied by preparative TREF, solid state NMR spectroscopy, and SFM microscopy. <i>Polymer</i> , 2015, 61, 87-98.	1.8	27
13	Complex Columnar Hexagonal Polymorphism in Supramolecular Assemblies of a Semifluorinated Electron-Accepting Naphthalene Bisimide. <i>Journal of the American Chemical Society</i> , 2015, 137, 807-819.	6.6	31
14	Increasing 3D Supramolecular Order by Decreasing Molecular Order. A Comparative Study of Helical Assemblies of Dendronized Nonchlorinated and Tetrachlorinated Perylene Bisimides. <i>Journal of the American Chemical Society</i> , 2015, 137, 5210-5224.	6.6	40
15	Multinuclear NMR Study of Structure and Mobility in Cyclic Model Lithium Conducting Systems. <i>Applied Magnetic Resonance</i> , 2014, 45, 1063-1073.	0.6	4
16	Morphological Anisotropy and Proton Conduction in Multiblock Copolyimide Electrolyte Membranes. <i>Macromolecules</i> , 2014, 47, 2645-2658.	2.2	38
17	Magic Angle Spinning NMR of Macromolecular and Supramolecular Systems. <i>Israel Journal of Chemistry</i> , 2014, 54, 16-24.	1.0	4
18	Advanced magnetic resonance strategies for the elucidation of nanostructured soft matter. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 9700.	1.3	15

#	ARTICLE	IF	CITATIONS
19	Homochiral Columns Constructed by Chiral Self-Sorting During Supramolecular Helical Organization of Hat-Shaped Molecules. <i>Journal of the American Chemical Society</i> , 2014, 136, 7169-7185.	6.6	141
20	High resolution para-hydrogen induced polarization in inhomogeneous magnetic fields. <i>Journal of Magnetic Resonance</i> , 2013, 230, 155-159.	1.2	18
21	Hyperpolarized ¹ H long lived states originating from parahydrogen accessed by rf irradiation. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 17233.	1.3	40
22	A comparative study of ¹ H and ¹⁹ F Overhauser DNP in fluorinated benzenes. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 20717.	1.3	30
23	Solid-State NMR in Macromolecular Systems: Insights on How Molecular Entities Move. <i>Accounts of Chemical Research</i> , 2013, 46, 1996-2007.	7.6	110
24	Glass transition of poly(ethylmethacrylate) admixed and bound to nanoparticles. <i>Journal of Chemical Physics</i> , 2013, 138, 12A503.	1.2	12
25	New Phosphonate-Based Additives for Fortification in Model Epoxies. <i>Macromolecules</i> , 2013, 46, 2067-2077.	2.2	5
26	Transformation from Kinetically into Thermodynamically Controlled Self-Organization of Complex Helical Columns with 3D Periodicity Assembled from Dendronized Perylene Bisimides. <i>Journal of the American Chemical Society</i> , 2013, 135, 4129-4148.	6.6	98
27	Tunable and Switchable Dielectric Constant in an Amphidynamic Crystal. <i>Journal of the American Chemical Society</i> , 2013, 135, 5230-5233.	6.6	307
28	Structure Formation of Polymeric Building Blocks: Complex Polymer Architectures. <i>Advances in Polymer Science</i> , 2013, , 115-210.	0.4	6
29	Probing Macromolecular and Supramolecular Structure, Dynamics, and Function by Magnetic Resonance. <i>Advances in Polymer Science</i> , 2013, , 295-320.	0.4	2
30	Packing Interactions in Hydrated and Anhydrous Forms of the Antibiotic Ciprofloxacin: a Solid-State NMR, X-ray Diffraction, and Computer Simulation Study. <i>Journal of the American Chemical Society</i> , 2012, 134, 71-74.	6.6	128
31	Benzoxazole Resin: A Novel Class of Thermoset Polymer via Smart Benzoxazine Resin. <i>Macromolecules</i> , 2012, 45, 8991-8997.	2.2	118
32	A Strategy for Revealing the Packing in Semicrystalline π -Conjugated Polymers: Crystal Structure of Bulk Poly(3-hexylthiophene) (P3HT). <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11068-11072.	7.2	160
33	Proton magnetic resonance imaging with para-hydrogen induced polarization. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 2346.	1.3	42
34	Online Monitoring of Styrene Polymerization in Miniemulsion by Hyperpolarized ¹²⁹ Xenon NMR Spectroscopy. <i>Macromolecules</i> , 2012, 45, 1839-1846.	2.2	22
35	Conformational Transitions of Poly(<i>l</i> -proline) in Copolypeptides with Poly(¹³ -benzyl- <i>l</i> -glutamate) Induced by Packing. <i>Macromolecules</i> , 2012, 45, 9326-9332.	2.2	21
36	Mixture and dissolution of laser polarized noble gases: Spectroscopic and imaging applications. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2012, 66, 40-69.	3.9	23

#	ARTICLE	IF	CITATIONS
37	Two-dimensional Fourier transform rheological study on thermosensitivity of poly(N,N-diethylacrylamide) in aqueous solutions. <i>Polymer</i> , 2012, 53, 4800-4805.	1.8	2
38	Long-Lived ^1H Singlet Spin States Originating from Para-Hydrogen in Cs-Symmetric Molecules Stored for Minutes in High Magnetic Fields. <i>Journal of the American Chemical Society</i> , 2012, 134, 10393-10396.	6.6	94
39	A Mobile DNP Polarizer for Continuous Flow Applications. <i>Applied Magnetic Resonance</i> , 2012, 43, 195-206.	0.6	12
40	Overhauser DNP and EPR in a Mobile Setup: Influence of Magnetic Field Inhomogeneity. <i>Applied Magnetic Resonance</i> , 2012, 43, 149-165.	0.6	14
41	Level anti-crossings in ParaHydrogen Induced Polarization experiments with Cs-symmetric molecules. <i>Journal of Magnetic Resonance</i> , 2012, 219, 33-40.	1.2	67
42	Echocardiographic Evidence for Valvular Toxicity of Benfluorex: A Double-Blind Randomised Trial in Patients with Type 2 Diabetes Mellitus. <i>PLoS ONE</i> , 2012, 7, e38273.	1.1	26
43	The impact of the amide connectivity on the assembly and dynamics of benzene-1,3,5-tricarboxamides in the solid state. <i>Chemical Science</i> , 2011, 2, 2040.	3.7	39
44	Unravelling the fine structure of stacked bipyridine diamine-derived C3-discotics as determined by X-ray diffraction, quantum-chemical calculations, Fast-MAS NMR and CD spectroscopy. <i>Chemical Science</i> , 2011, 2, 69-76.	3.7	52
45	Self-Repairing Complex Helical Columns Generated via Kinetically Controlled Self-Assembly of Dendronized Perylene Bisimides. <i>Journal of the American Chemical Society</i> , 2011, 133, 18479-18494.	6.6	82
46	Characterization of the Solution Structure of Human Serum Albumin Loaded with a Metal Porphyrin and Fatty Acids. <i>Biophysical Journal</i> , 2011, 100, 2293-2301.	0.2	22
47	Formation of a Mesoscopic Skin Barrier in Mesoglobules of Thermoresponsive Polymers. <i>Journal of the American Chemical Society</i> , 2011, 133, 10832-10838.	6.6	76
48	Structure Formation in Metal Complex/Polymer Hybrid Nanomaterials Prepared by Miniemulsion. <i>Langmuir</i> , 2011, 27, 12859-12868.	1.6	6
49	Self-Assembly of Dendronized Perylene Bisimides into Complex Helical Columns. <i>Journal of the American Chemical Society</i> , 2011, 133, 12197-12219.	6.6	120
50	Dead-time free measurement of dipole-dipole interactions between electron spins. <i>Journal of Magnetic Resonance</i> , 2011, 213, 316-325.	1.2	61
51	Ultra-high Mobility in Polymer Field-Effect Transistors by Design. <i>Journal of the American Chemical Society</i> , 2011, 133, 2605-2612.	6.6	671
52	EPR Spectroscopy Provides a Molecular View on Thermoresponsive Dendronized Polymers Below the Critical Temperature. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 1229-1235.	1.1	32
53	Empty Helical Nanochannels with Adjustable Order from Low-Symmetry Macrocycles. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3030-3033.	7.2	79
54	Hierarchical self-assembly in diblock copolypeptides of poly(β -benzyl-L-glutamate) with poly(L-leucine) and poly(O-benzyl-L-tyrosine). <i>European Polymer Journal</i> , 2011, 47, 668-674.	2.6	18

#	ARTICLE	IF	CITATIONS
55	DEER in biological multispin-systems: A case study on the fatty acid binding to human serum albumin. <i>Journal of Magnetic Resonance</i> , 2011, 210, 210-217.	1.2	49
56	Fast and Slow Dynamics in a Discotic Liquid Crystal with Regions of Columnar Order and Disorder. <i>Physical Review Letters</i> , 2011, 107, 257801.	2.9	35
57	Probing How Counterion Structure and Dynamics Determine Polyelectrolyte Solutions Using EPR Spectroscopy. <i>Applied Magnetic Resonance</i> , 2010, 37, 657-683.	0.6	27
58	Spin- ¹³ C Labeled Heparins as Polarizing Agents for Dynamic Nuclear Polarization. <i>ChemPhysChem</i> , 2010, 11, 3656-3663.	1.0	12
59	EPR Spectroscopic Characterization of Local Nanoscopic Heterogeneities during the Thermal Collapse of Thermoresponsive Dendronized Polymers. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5683-5687.	7.2	105
60	Continuous ¹ H and ¹³ C Signal Enhancement in NMR Spectroscopy and MRI Using Parahydrogen and Hollow-Fiber Membranes. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8358-8362.	7.2	66
61	The Distribution of Fatty Acids Reveals the Functional Structure of Human Serum Albumin. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8755-8759.	7.2	64
62	Solid-State NMR Characterization of the Multiphase Structure of Polypropylene Inert Reactor Alloy. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 1157-1166.	1.1	20
63	¹³ C hyperpolarization of a barbituric acid derivative via parahydrogen induced polarization. <i>Journal of Magnetic Resonance</i> , 2010, 204, 50-55.	1.2	40
64	Hydrogen-Bonded Aggregates of Oligoamide-Poly(ethylene glycol) Block Copolymers. <i>Macromolecules</i> , 2010, 43, 4978-4985.	2.2	31
65	Hierarchical Self-Assembly and Dynamics of a Miktoarm Star-chimera Composed of Poly(¹³ -benzyl-glutamate), Polystyrene, and Polyisoprene. <i>Macromolecules</i> , 2010, 43, 1874-1881.	2.2	42
66	Phase Behavior and Proton Conduction in Poly(vinylphosphonic acid)/Poly(ethylene oxide) Blends. <i>Macromolecules</i> , 2010, 43, 3876-3881.	2.2	12
67	Photocatalytic hydrogen evolution through fully conjugated poly(azomethine) networks. <i>Chemical Communications</i> , 2010, 46, 8932.	2.2	235
68	Interplay of Structure and Dynamics in Macromolecular and Supramolecular Systems. <i>Macromolecules</i> , 2010, 43, 5479-5491.	2.2	72
69	Self-Assembly, Dynamics, and Phase Transformation Kinetics of Donor-Acceptor Substituted Perylene Derivatives. <i>Journal of the American Chemical Society</i> , 2010, 132, 7478-7487.	6.6	54
70	Thermoresponsive, spin-labeled hydrogels as separable DNP polarizing agents. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 5879.	1.3	35
71	The Role of Conformations in the Interplay of Structure and Dynamics in Macromolecular and Supramolecular Systems. <i>Macromolecular Symposia</i> , 2010, 298, 10-16.	0.4	4
72	Slow kinetics of phase transformation in a dipole-functionalized discotic liquid crystal. <i>Journal of Chemical Physics</i> , 2009, 131, 114704.	1.2	7

#	ARTICLE	IF	CITATIONS
73	Self-Assembly and Dynamics of Polypeptides. <i>Macromolecular Rapid Communications</i> , 2009, 30, 278-298.	2.0	48
74	Segmental Mobility in the Non-crystalline Regions of Semicrystalline Polymers and its Implications on Melting. <i>Macromolecular Rapid Communications</i> , 2009, 30, 826-839.	2.0	22
75	Local and Collective Motions in Precise Polyolefins with Alkyl Branches: A Combination of ² H and ¹³ C Solid-State NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4617-4620.	7.2	46
76	Cooperative Molecular Motion within a Self-Assembled Liquid-Crystalline Molecular Wire: The Case of a TEG-Substituted Peryleneimide Disc. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4621-4624.	7.2	79
77	Magnetic resonance imaging of dissolved hyperpolarized ¹²⁹ Xe using a membrane-based continuous flow system. <i>Journal of Magnetic Resonance</i> , 2009, 201, 93-99.	1.2	24
78	Solid-State NMR investigations of anhydrous proton-conducting acid-base poly(acrylic acid)-poly(4-vinyl pyridine) polymer blend system: A study of hydrogen bonding and proton conduction. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009, 47, 138-155.	2.4	37
79	Resolution enhancement in MRI of laser polarized ³ He by control of diffusion. <i>Journal of Magnetic Resonance</i> , 2009, 197, 56-62.	1.2	4
80	Diffusion spin echo suppression in the presence of inhomogeneous gradients. <i>Chemical Physics Letters</i> , 2009, 481, 137-141.	1.2	5
81	Solid-state NMR and computational studies of tetraolyl urea calix[4]arene inclusion compounds. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 9241.	1.3	15
82	Molecularly Tethered Amphiphiles as 3-D Supramolecular Assembly Platforms: Unlocking a Trapped Conformation. <i>Journal of the American Chemical Society</i> , 2009, 131, 8537-8547.	6.6	38
83	Geometry of Complex Molecular Motions of Guest Molecules in Polymers from Solid State ² H NMR. <i>Macromolecules</i> , 2009, 42, 4929-4931.	2.2	31
84	¹ H Solid-State NMR Investigation of Structure and Dynamics of Anhydrous Proton Conducting Triazole-Functionalized Siloxane Polymers. <i>Journal of Physical Chemistry B</i> , 2009, 113, 9151-9160.	1.2	46
85	Polyethylene Functionalized with Precisely Spaced Phosphonic Acid Groups. <i>Macromolecules</i> , 2009, 42, 4407-4409.	2.2	57
86	Self-Assembly of Dendronized Triphenylenes into Helical Pyramidal Columns and Chiral Spheres. <i>Journal of the American Chemical Society</i> , 2009, 131, 7662-7677.	6.6	169
87	Solid-State Organization of Semifluorinated Alkanes Probed by ¹⁹ F MAS NMR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2009, 113, 1360-1366.	1.2	16
88	Proton Mobilities in Phosphonic Acid-Based Proton Exchange Membranes Probed by ¹ H and ² H Solid-State NMR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2009, 113, 6674-6681.	1.2	42
89	Anhydrous Poly(2,5-benzimidazole)-Poly(vinylphosphonic Acid) Acid-Base Polymer Blends: a Detailed Solid-State NMR Investigation. <i>Australian Journal of Chemistry</i> , 2009, 62, 848.	0.5	23
90	Ring-Expansion Metathesis Polymerization: Catalyst-Dependent Polymerization Profiles. <i>Journal of the American Chemical Society</i> , 2009, 131, 2670-2677.	6.6	109

#	ARTICLE	IF	CITATIONS
91	Miscibility between Differently Shaped Mesogens: Structural and Morphological Study of a Phthalocyanine-Perylene Binary System. <i>Journal of Physical Chemistry B</i> , 2009, 113, 5448-5457.	1.2	37
92	Catalyst-free Preparation of Melamine-Based Microporous Polymer Networks through Schiff Base Chemistry. <i>Journal of the American Chemical Society</i> , 2009, 131, 7216-7217.	6.6	579
93	A Mobile DNP Polarizer for Clinical Applications. <i>Applied Magnetic Resonance</i> , 2008, 34, 321-330.	0.6	28
94	Parahydrogen induced polarization of barbituric acid derivatives: ^1H hyperpolarization studies. <i>Magnetic Resonance in Chemistry</i> , 2008, 46, 713-717.	1.1	13
95	Proton-Conducting Properties of Acid-Doped Poly(glycidyl methacrylate)- 1,2,4 -Triazole Systems. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 593-603.	1.1	46
96	Investigation of Chain Dynamics in Poly(<i>n</i> -alkyl methacrylate)s by Solid-State NMR: Comparison with Poly(<i>n</i> -alkyl acrylate)s. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 2078-2086.	1.1	10
97	Effect of Polymer Composition and Water Content on Proton Conductivity in Vinyl Benzyl Phosphonic Acid- 4 -Vinyl Pyridine Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 2494-2503.	1.1	33
98	NMR Spectroscopy: Pushing the Limits of Sensitivity. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 639-642.	7.2	33
99	Relaxation-based distance measurements between a nitroxide and a lanthanide spin label. <i>Journal of Magnetic Resonance</i> , 2008, 194, 254-263.	1.2	32
100	Transient States in $[2 + 2]$ Photodimerization of Cinnamic Acid: Correlation of Solid-State NMR and X-ray Analysis. <i>Journal of the American Chemical Society</i> , 2008, 130, 1741-1748.	6.6	77
101	Restricted Segmental Mobility Can Facilitate Medium-Range Chain Diffusion: A NMR Study of Morphological Influence on Chain Dynamics of Polyethylene. <i>Macromolecules</i> , 2008, 41, 2514-2519.	2.2	73
102	Beyond Isotropic Tumbling Models: Nuclear Spin Relaxation in Liquids from First Principles. <i>ChemPhysChem</i> , 2008, 9, 2313-2316.	1.0	28
103	Self-Assembly, Molecular Dynamics, and Kinetics of Structure Formation in Dipole-Functionalized Discotic Liquid Crystals. <i>Journal of the American Chemical Society</i> , 2008, 130, 5311-5319.	6.6	80
104	Control of Peptide Secondary Structure and Dynamics in Poly(3 -benzyl-L-glutamate)-b-polyalanine Peptides. <i>Macromolecules</i> , 2008, 41, 8072-8080.	2.2	39
105	Effect of Chain Topology on the Self-Organization and Dynamics of Block Copolypeptides: From Diblock Copolymers to Stars. <i>Biomacromolecules</i> , 2008, 9, 1959-1966.	2.6	30
106	Anhydrous proton-conducting properties of triazole-phosphonic acid copolymers: a combined study with MAS NMR. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 6058.	1.3	81
107	Distant Dipolar Fields in Laser-Polarized Gases on Macroscopic Scales. <i>Physical Review Letters</i> , 2008, 100, 213001.	2.9	12
108	Origin of the Complex Molecular Dynamics in Functionalized Discotic Liquid Crystals. <i>Physical Review Letters</i> , 2008, 100, 107801.	2.9	53

#	ARTICLE	IF	CITATIONS
109	Geometry of phenylene motion in polycarbonate from NMR spectroscopy and neutron scattering. <i>Journal of Chemical Physics</i> , 2007, 126, 041104.	1.2	16
110	Intermediate temperature proton conductors for PEM fuel cells based on phosphonic acid as protogenic group: A progress report. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 1764-1773.	1.3	303
111	Spin Echo Formation in the Presence of Stochastic Dynamics. <i>Physical Review Letters</i> , 2007, 99, 263001.	2.9	10
112	Morphological differences in semicrystalline polymers: Implications for local dynamics and chain diffusion. <i>Physical Review E</i> , 2007, 76, 060801.	0.8	56
113	Diffusion and Conformation of Peptide-Functionalized Polyphenylene Dendrimers Studied by Fluorescence Correlation and ¹³ C NMR Spectroscopy. <i>Biomacromolecules</i> , 2007, 8, 1745-1750.	2.6	37
114	Selectivity of guest-host interactions in self-assembled hydrogen-bonded nanostructures observed by NMR. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 4545.	1.3	28
115	Self-Assembly and Molecular Dynamics of Copolymers of ¹³ -Methyl-l-glutamate and Stearyl-l-glutamate. <i>Macromolecules</i> , 2007, 40, 8311-8322.	2.2	13
116	Probing the solvent-induced tautomerism of a redox-active ureidopyrimidinone. <i>Chemical Communications</i> , 2007, , 2246.	2.2	19
117	² H Solid-State NMR of Mobile Protons: It Is Not Always the Simple Way. <i>Journal of the American Chemical Society</i> , 2007, 129, 12406-12407.	6.6	62
118	High-Resolution Solid-State NMR Studies of Poly(vinyl phosphonic acid) Proton-Conducting Polymer: Molecular Structure and Proton Dynamics. <i>Journal of Physical Chemistry B</i> , 2007, 111, 9711-9721.	1.2	138
119	Chain Dynamics in Poly(<i>n</i> -alkyl acrylates) by Solid-State NMR, Dielectric, and Mechanical Spectroscopies. <i>Macromolecules</i> , 2007, 40, 6249-6256.	2.2	40
120	Structure of Molecular Tweezer Complexes in the Solid State: NMR Experiments, X-ray Investigations, and Quantum Chemical Calculations. <i>Journal of the American Chemical Society</i> , 2007, 129, 1293-1303.	6.6	53
121	Separation of the Nonlinear Oscillatory Response into a Superposition of Linear, Strain Hardening, Strain Softening, and Wall Slip Response. <i>Macromolecules</i> , 2007, 40, 4250-4259.	2.2	136
122	Kinetics of Shear Microphase Orientation and Reorientation in Lamellar Diblock and Triblock Copolymer Melts as Detected via FT-Rheology and 2D-SAXS. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 1719-1729.	1.1	31
123	Composition and Morphology Control in Ordered Mesostructured High-Temperature Ceramics from Block Copolymer Mesophases. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 2096-2108.	1.1	22
124	Effect of Branch Length on ¹³ C NMR Relaxation Properties in Molten Poly[ethylene-co-(1,3-butadiene)] Model Systems. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 2128-2133.	1.1	21
125	Water sorption of poly(vinylphosphonic acid) and its influence on proton conductivity. <i>Solid State Ionics</i> , 2007, 178, 469-474.	1.3	88
126	Bulk Chemical Shifts in Hydrogen-Bonded Systems from First-Principles Calculations and Solid-State-NMR. <i>Journal of Physical Chemistry B</i> , 2006, 110, 23204-23210.	1.2	94

#	ARTICLE	IF	CITATIONS
127	Diffusion in binary gas mixtures studied by NMR of hyperpolarized gases and molecular dynamics simulations. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 4182-4188.	1.3	31
128	Heterogeneity of the Surfactant Layer in Organically Modified Silicates and Polymer/Layered Silicate Composites. <i>Macromolecules</i> , 2006, 39, 2191-2200.	2.2	49
129	Self-Assembly and Molecular Dynamics of Peptide-Functionalized Polyphenylene Dendrimers. <i>Macromolecules</i> , 2006, 39, 9605-9613.	2.2	32
130	Small-angle X-ray scattering and linear melt rheology of poly(tert-butyl acrylate-g-styrene) graft copolymers. <i>Polymer</i> , 2006, 47, 1487-1495.	1.8	16
131	Effect of large amplitude oscillatory shear (LAOS) on the dielectric response of 1,4-cis-polyisoprene. <i>Polymer</i> , 2006, 47, 7282-7288.	1.8	29
132	A site-directed spin-labeling study of surfactants in polymer/clay nanocomposites. <i>Colloid and Polymer Science</i> , 2006, 284, 1211-1219.	1.0	19
133	Solid state NMR investigations on the role of organic admixtures on the hydration of cement pastes. <i>Cement and Concrete Composites</i> , 2006, 28, 417-426.	4.6	34
134	Self-Assembly of Semifluorinated Dendrons Attached to Electron-Donor Groups Mediates Their π -Stacking via a Helical Pyramidal Column. <i>Chemistry - A European Journal</i> , 2006, 12, 6298-6314.	1.7	116
135	NMR Spectroscopy of Laser-Polarized ^{129}Xe Under Continuous Flow: A Method To Study Aqueous Solutions of Biomolecules. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7282-7284.	7.2	40
136	Controlling diffusion of ^3He by buffer gases: A structural contrast agent in lung MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 24, 1291-1297.	1.9	11
137	Optimisation and Application of Polyolefin Branch Quantification by Melt-State ^{13}C NMR Spectroscopy. <i>Macromolecular Chemistry and Physics</i> , 2006, 207, 382-395.	1.1	84
138	Effects of Comonomers on Lamellar and Noncrystalline Microstructure of Ethylene Copolymers. <i>Macromolecular Rapid Communications</i> , 2006, 27, 322-327.	2.0	9
139	Orientation dynamics in isotropic phases of model oligofluorenes: Glass or liquid crystal. <i>Journal of Chemical Physics</i> , 2006, 124, 204910.	1.2	7
140	Thermal, morphological and rheological characterization of poly(acrylic acid-g-styrene) amphiphilic graft copolymers. <i>Polymer</i> , 2005, 46, 4544-4553.	1.8	38
141	^{13}C solid state NMR investigation of structural relaxation of the polymer backbone in poly(ethylmethacrylate). <i>Solid State Nuclear Magnetic Resonance</i> , 2005, 27, 132-139.	1.5	8
142	Versatility of the dipolar filter selection: From ^1H nuclear spin diffusion experiment to the measurement of nuclear Overhauser effect in homopolymer melts. <i>Solid State Nuclear Magnetic Resonance</i> , 2005, 28, 160-172.	1.5	13
143	Solid state NMR and LVSEM studies on the hardening of latex modified tile mortar systems. <i>Cement and Concrete Research</i> , 2005, 35, 2233-2243.	4.6	40
144	Heterogeneity in polymer melts from melting of polymer crystals. <i>Nature Materials</i> , 2005, 4, 635-641.	13.3	321

#	ARTICLE	IF	CITATIONS
145	Determining the Geometry of Hydrogen Bonds in Solids with Picometer Accuracy by Quantum-Chemical Calculations and NMR Spectroscopy. <i>ChemPhysChem</i> , 2005, 6, 315-327.	1.0	39
146	Surface Modification with Orthogonal Photosensitive Silanes for Sequential Chemical Lithography and Site-Selective Particle Deposition. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4707-4712.	7.2	106
147	Influence of Hydrogen Bonds on the Supramolecular Order of Hexa-peri-hexabenzocoronenes. <i>Advanced Functional Materials</i> , 2005, 15, 1585-1594.	7.8	66
148	Structural Reasons for Restricted Backbone Motion in Poly(n-alkyl methacrylates): Degree of Polymerization, Tacticity and Side-Chain Length. <i>Macromolecular Chemistry and Physics</i> , 2005, 206, 142-156.	1.1	46
149	On the Occasion of Gerhard Wegner's 65th Birthday. <i>Macromolecular Chemistry and Physics</i> , 2005, 206, 13-14.	1.1	0
150	² H NMR Study of Aromatic Guest Dynamics in Clathrate Phases of Syndiotactic Polystyrene. <i>Macromolecular Chemistry and Physics</i> , 2005, 206, 715-724.	1.1	27
151	Structure of amorphous poly-(ethylmethacrylate): A wide-angle x-ray scattering study. <i>Journal of Chemical Physics</i> , 2005, 122, 014906.	1.2	39
152	Radial counterion distributions in polyelectrolyte solutions determined by EPR spectroscopy. <i>Europhysics Letters</i> , 2005, 70, 102-108.	0.7	23
153	Network formation involving polyelectrolytes in solution: the role of counterions. <i>Colloid and Polymer Science</i> , 2004, 282, 901-909.	1.0	9
154	Extended mesoionic systems: synthesis and characterization of monocyclic, polycyclic and macrocyclic pyrimidinium-olate derivatives and their photochemical behavior. <i>Tetrahedron</i> , 2004, 60, 10011-10018.	1.0	14
155	Imaging of a mixture of hyperpolarized ³ He and ¹²⁹ Xe. <i>Magnetic Resonance Imaging</i> , 2004, 22, 1077-1083.	1.0	9
156	Advanced solid-state nuclear magnetic resonance for polymer science. <i>Journal of Polymer Science Part A</i> , 2004, 42, 5031-5044.	2.5	42
157	Rotor Modulations and Recoupling Strategies in ¹³ C Solid-State Magic-Angle-Spinning NMR Spectroscopy: Probing Molecular Orientation and Dynamics. <i>ChemPhysChem</i> , 2004, 5, 895-908.	1.0	26
158	Advanced ¹ H Solid-State NMR Spectroscopy on Hydrogels, 2. <i>Macromolecular Chemistry and Physics</i> , 2004, 205, 438-447.	1.1	25
159	Advanced ¹ H Solid-State NMR Spectroscopy on Hydrogels, 1. <i>Macromolecular Chemistry and Physics</i> , 2004, 205, 430-437.	1.1	29
160	Nanostructure and Shape Control in Polymer-Ceramic Hybrids from Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td (oxide)- <i>Chemistry and Physics</i> , 2004, 205, 1021-1030.	1.1	27
161	Solvent molecules trapped in supramolecular organic nanotubes: a combined solid-state NMR and DFT study. <i>Chemical Physics Letters</i> , 2004, 388, 164-169.	1.2	32
162	Parameters Influencing the Templated Growth of Colloidal Crystals on Chemically Patterned Surfaces. <i>Langmuir</i> , 2004, 20, 9114-9123.	1.6	142

#	ARTICLE	IF	CITATIONS
163	NMR Studies of PAH/PSS Polyelectrolyte Multilayers Adsorbed onto Silica. <i>Macromolecules</i> , 2004, 37, 4830-4838.	2.2	71
164	Solid State NMR Spectroscopic Investigations of Model Compounds for Imidazole-Based Proton Conductors. <i>Journal of Physical Chemistry B</i> , 2004, 108, 18500-18508.	1.2	46
165	Photochemistry and Mobility of Stilbenoid Dendrimers in Their Neat Phases. <i>Journal of the American Chemical Society</i> , 2004, 126, 772-784.	6.6	65
166	Dynamics, Site Binding, and Distribution of Counterions in Polyelectrolyte Solutions Studied by Electron Paramagnetic Resonance Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2004, 108, 3698-3704.	1.2	56
167	Observation of Chain Branching in Polyethylene in the Solid State and Melt via ^{13}C NMR Spectroscopy and Melt NMR Relaxation Time Measurements. <i>Macromolecules</i> , 2004, 37, 813-825.	2.2	62
168	Separation of polyelectrolyte chain dynamics and dynamics of counterion attachment by EPR spectroscopy. <i>Macromolecular Symposia</i> , 2004, 211, 71-86.	0.4	11
169	Effect of Interfaces on the Crystallization Behavior of PDMS. <i>Journal of Materials Science</i> , 2003, 11, 199-209.	1.2	52
170	The influence of sodium ethene sulphonate comonomer on the film formation process of poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.0	5
171	Nuclear Magnetic Resonance Spectroscopy in Macromolecular Science. <i>Macromolecular Chemistry and Physics</i> , 2003, 204, 340-346.	1.1	14
172	Investigations on the Film-Formation Process of Latex Dispersions by Solid-State NMR Spectroscopy. <i>Macromolecular Chemistry and Physics</i> , 2003, 204, 787-802.	1.1	26
173	Site-Selective Growth of Colloidal Crystals with Photonic Properties on Chemically Patterned Surfaces. <i>Advanced Materials</i> , 2003, 15, 1025-1028.	11.1	107
174	No influence of magnetic fields on cell cycle progression using conditions relevant for patients during MRI. <i>Bioelectromagnetics</i> , 2003, 24, 241-250.	0.9	44
175	NMR chemical shifts in proton conducting crystals from first principles. <i>Computational and Theoretical Chemistry</i> , 2003, 625, 283-288.	1.5	28
176	Reorientation phenomena in imidazolium methyl sulfonate as probed by advanced solid-state NMR. <i>Solid State Nuclear Magnetic Resonance</i> , 2003, 24, 150-162.	1.5	37
177	Benzoxazine Oligomers: Evidence for a Helical Structure from Solid-State NMR Spectroscopy and DFT-Based Dynamics and Chemical Shift Calculations. <i>Journal of the American Chemical Society</i> , 2003, 125, 5792-5800.	6.6	116
178	^1H Fast MAS NMR Studies of Hydrogen-Bonding Interactions in Self-Assembled Monolayers. <i>Journal of the American Chemical Society</i> , 2003, 125, 4174-4184.	6.6	127
179	NMR Studies of the Effect of Adsorbed Water on Polyelectrolyte Multilayer Films in the Solid State. <i>Macromolecules</i> , 2003, 36, 3616-3625.	2.2	81
180	Supramolecular Assembly of Dendritic Polymers Elucidated by ^1H and ^{13}C Solid-State MAS NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2003, 125, 13284-13297.	6.6	106

#	ARTICLE	IF	CITATIONS
181	Electron spin relaxation due to small-angle motion: Theory for the canonical orientations and application to hierarchic cage dynamics in ionomers. <i>Journal of Chemical Physics</i> , 2003, 119, 11829-11846.	1.2	37
182	Structural Studies of Nanophase-Separated Poly(2-hydroxyethyl methacrylate)- <i>l</i> -polyisobutylene Amphiphilic Conetworks by Solid-State NMR and Small-Angle X-ray Scattering. <i>Macromolecules</i> , 2003, 36, 9107-9114.	2.2	95
183	Structural Relaxation of Polymers at the Glass Transition: Conformational Memory in Poly(<i>n</i> -alkylmethacrylates). <i>Physical Review Letters</i> , 2003, 91, 155702.	2.9	53
184	Supramolecular aspects of polymer science: a challenge for solid state NMR. <i>Macromolecular Symposia</i> , 2003, 201, 85-88.	0.4	8
185	Constrained dynamics in supramolecular structures of poly(<i>p</i> -phenylenes) with ethylene oxide side chains: A combined dielectric and nuclear magnetic resonance investigation. <i>Journal of Chemical Physics</i> , 2002, 117, 6289-6299.	1.2	28
186	Crystallization of PDMS: The effect of physical and chemical crosslinks. <i>Europhysics Letters</i> , 2002, 60, 390-396.	0.7	96
187	Structure and Dynamics in Columnar Discotic Materials: A Combined X-ray and Solid-State NMR Study of Hexabenzocoronene Derivatives. <i>Journal of Physical Chemistry B</i> , 2002, 106, 6408-6418.	1.2	163
188	Probing Porous Polymer Resins by High-Field Electron Spin Resonance Spectroscopy. <i>Macromolecules</i> , 2002, 35, 3977-3983.	2.2	15
189	Dipolar Recoupling in NOESY-Type ^1H - ^1H NMR Experiments under HRMAS Conditions. <i>Organic Letters</i> , 2002, 4, 1559-1562.	2.4	9
190	Microphase Reorientation in Block Copolymer Melts As Detected via FT Rheology and 2D SAXS. <i>Macromolecules</i> , 2002, 35, 3198-3204.	2.2	41
191	Counterion Condensation and Conformational Transitions of Polyelectrolytes Characterized by EPR Spectroscopy. <i>Macromolecules</i> , 2002, 35, 9698-9706.	2.2	38
192	High-Resolution Solid-State NMR Studies of Imidazole-Based Proton Conductors: Structure Motifs and Chemical Exchange from ^1H NMR. <i>Journal of Physical Chemistry B</i> , 2002, 106, 9322-9334.	1.2	164
193	Water Induced Dewetting of Ultrathin Polystyrene Films on Hydrophilic Surfaces. <i>Langmuir</i> , 2002, 18, 8056-8061.	1.6	31
194	Solid-State NMR Investigations of Molecular Dynamics in Polyphenylene Dendrimers: Evidence of Dense-Shell Packing. <i>Macromolecules</i> , 2002, 35, 10071-10086.	2.2	62
195	Quadruple hydrogen bonds of ureido-pyrimidinone moieties investigated in the solid state by ^1H double-quantum MAS NMR spectroscopy Presented as part of a plenary lecture by H. W. Spiess at the annual meeting of the Deutsche Bunsen-Gesellschaft für Physikalische Chemie, Potsdam, May 9 th 2002. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 3750-3758.	1.3	59
196	Comparative study of the NMR length scale of dynamic heterogeneities of three different glass formers. <i>Journal of Non-Crystalline Solids</i> , 2002, 307-310, 208-214.	1.5	75
197	Confinement effects in ionomers: a high-field pulsed electron spin resonance spectroscopy study. <i>Journal of Non-Crystalline Solids</i> , 2002, 307-310, 510-516.	1.5	12
198	EPR Studies on Film Formation of Colloidal Dispersions, 1. Site Selectivity and Techniques. <i>Macromolecular Chemistry and Physics</i> , 2002, 203, 182-191.	1.1	13

#	ARTICLE	IF	CITATIONS
199	NMR Studies of the Structure and Dynamics of Polymer Gels Based on N-Isopropylacrylamide (NIPAAm) and Methacrylic Acid (MAA). <i>Macromolecular Chemistry and Physics</i> , 2002, 203, 491-502.	1.1	66
200	Solid Hybrid Polymer Electrolyte Networks: Nano-Structurable Materials for Lithium Batteries. <i>Advanced Materials</i> , 2002, 14, 1134.	11.1	44
201	Rotor-Encoded Heteronuclear MQ MAS NMR Spectroscopy of Half-Integer Quadrupolar and Spin I=1/2 Nuclei. <i>Journal of Magnetic Resonance</i> , 2002, 154, 101-129.	1.2	13
202	Measurement of diffusion coefficients of additive molecules in colloidal polymer particles by electron paramagnetic resonance. <i>Colloid and Polymer Science</i> , 2002, 280, 569-573.	1.0	4
203	Self-organization of supramolecular helical dendrimers into complex electronic materials. <i>Nature</i> , 2002, 419, 384-387.	13.7	938
204	Advanced Solid-State NMR Methods for the Elucidation of Structure and Dynamics of Molecular, Macromolecular, and Supramolecular Systems. <i>Chemical Reviews</i> , 2001, 101, 4125-4156.	23.0	482
205	Heteronuclear ^1H - ^{13}C multiple-spin correlation in solid-state nuclear magnetic resonance: Combining rotational-echo double-resonance recoupling and multiple-quantum spectroscopy. <i>Journal of Chemical Physics</i> , 2001, 114, 5707-5728.	1.2	64
206	An Investigation of the Hydrogen-Bonding Structure in Bilirubin by ^1H Double-Quantum Magic-Angle Spinning Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2001, 123, 4275-4285.	6.6	78
207	Characterization of Ionic Clusters in Different Ionically Functionalized Diblock Copolymers by CW EPR and Four-Pulse Double Electron-Electron Resonance. <i>Macromolecules</i> , 2001, 34, 5555-5560.	2.2	30
208	Block Copolymer-Ceramic Hybrid Materials from Organically Modified Ceramic Precursors. <i>Chemistry of Materials</i> , 2001, 13, 3464-3486.	3.2	257
209	Two-dimensional Fourier transform rheology. <i>Journal of Rheology</i> , 2001, 45, 1319-1339.	1.3	18
210	Local Order and Chain Dynamics in Molten Polymer Blocks Revealed by Proton Double-Quantum NMR. <i>Macromolecules</i> , 2001, 34, 298-309.	2.2	78
211	Multidimensional solid-state NMR of structure and dynamics of polymers. <i>Macromolecular Symposia</i> , 2001, 174, 111-120.	0.4	5
212	Characterization of polymer dispersions by Fourier transform rheology. <i>Rheologica Acta</i> , 2001, 40, 552-559.	1.1	69
213	The NMR-WEPLAB: An internet approach to NMR lineshape analysis. <i>Applied Magnetic Resonance</i> , 2001, 20, 405-432.	0.6	171
214	Fast right-angle spinning EPR on organic radicals: Resolution enhancement and angle determination. <i>Applied Magnetic Resonance</i> , 2001, 20, 17-33.	0.6	3
215	High-field EPR studies on polymer film formation from colloidal dispersions. <i>Applied Magnetic Resonance</i> , 2001, 21, 495-506.	0.6	2
216	Dynamic mechanical and dielectric properties of ORMOCER [®] incorporating functionalized poly(styrene) latexes. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2001, 39, 860-867.	2.4	0

#	ARTICLE	IF	CITATIONS
217	Lack of mutagenic and co-mutagenic effects of magnetic fields during magnetic resonance imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2001, 14, 779-788.	1.9	28
218	Investigation of an Ni ₂ 1/2i ₂ 1/2i ₂ 1/2H hydrogen bond in a solid benzoxazine dimer by 1H-15N NMR correlation techniques under fast magic-angle spinning. <i>Magnetic Resonance in Chemistry</i> , 2001, 39, S5-S17.	1.1	51
219	Recoupled Polarization-Transfer Methods for Solid-State 1H-13C Heteronuclear Correlation in the Limit of Fast MAS. <i>Journal of Magnetic Resonance</i> , 2001, 148, 398-418.	1.2	76
220	Double-Quantum Double-Quantum MAS Exchange NMR Spectroscopy: Dipolar-Coupled Spin Pairs as Probes for Slow Molecular Dynamics. <i>Journal of Magnetic Resonance</i> , 2001, 149, 90-102.	1.2	31
221	Inverse Detection and Heteronuclear Editing in 1H-15N Correlation and 1H-1H Double-Quantum NMR Spectroscopy in the Solid State under Fast MAS. <i>Journal of Magnetic Resonance</i> , 2001, 150, 57-70.	1.2	63
222	High-Resolution 1H NMR Spectroscopy in the Solid State: Very Fast Sample Rotation and Multiple-Quantum Coherences. <i>Journal of Magnetic Resonance</i> , 2001, 151, 153-227.	1.2	320
223	Quantitative Characterisation of the Inner Structure of Core-Shell Latex Particles by 1H Solid-State NMR. <i>Macromolecular Chemistry and Physics</i> , 2001, 202, 1262-1272.	1.1	6
224	Shape-Persistent Polyphenylene Dendrimers- Restricted Molecular Dynamics from Advanced Solid-State Nuclear Magnetic Resonance Techniques. <i>Advanced Materials</i> , 2001, 13, 752-756.	11.1	47
225	Structure Assignment in the Solid State by the Coupling of Quantum Chemical Calculations with NMR Experiments: A Columnar Hexabenzocoronene Derivative. <i>Journal of the American Chemical Society</i> , 2001, 123, 2597-2606.	6.6	145
226	Length scale of dynamic heterogeneity in supercooled glycerol near Tg. <i>Journal of Chemical Physics</i> , 2001, 114, 7299-7302.	1.2	173
227	Gerhard Wegner. <i>Advanced Materials</i> , 2000, 12, 249-250.	11.1	2
228	Dead-Time Free Measurement of Dipole-Dipole Interactions between Electron Spins. <i>Journal of Magnetic Resonance</i> , 2000, 142, 331-340.	1.2	949
229	Design and synthesis of a two compartment micellar system based on the self-association behavior of poly(N-acyl ethyleneimine) end-capped with a fluorocarbon and a hydrocarbon chain. <i>Macromolecular Chemistry and Physics</i> , 2000, 201, 995-1007.	1.1	97
230	Fast Magic-Angle Spinning and Double-Quantum 1H Solid-State NMR Spectroscopy of Polyelectrolyte Multilayers. <i>Advanced Materials</i> , 2000, 12, 1934-1938.	11.1	55
231	Dipolar spectroscopy and spin alignment in electron paramagnetic resonance. <i>Chemical Physics Letters</i> , 2000, 331, 243-252.	1.2	173
232	A 1H double-quantum magic-angle spinning solid-state NMR investigation of packing and dynamics in triphenylene and hexabenzocoronene derivatives. <i>Journal of Molecular Structure</i> , 2000, 521, 179-195.	1.8	49
233	Different types of water in the film formation process of latex dispersions as detected by solid-state nuclear magnetic resonance spectroscopy. <i>Colloid and Polymer Science</i> , 2000, 278, 236-244.	1.0	12
234	Characterization of superabsorbing polymers by NMR imaging. <i>Colloid and Polymer Science</i> , 2000, 278, 547-552.	1.0	5

#	ARTICLE	IF	CITATIONS
235	Determination of Ion Cluster Sizes and Cluster-to-Cluster Distances in Ionomers by Four-Pulse Double Electron Electron Resonance Spectroscopy. <i>Macromolecules</i> , 2000, 33, 7812-7818.	2.2	56
236	Film-forming colloidal dispersions studied by tracer methods. <i>Macromolecular Symposia</i> , 2000, 151, 451-457.	0.4	5
237	Dynamics in the crystalline polymorphic forms I and II and form III of isotactic poly-1-butene. , 2000, 38, 2611.		1
238	Poly(p-phenylenevinylene) by chemical vapor deposition: synthesis, structural evaluation, glass transition, electroluminescence, and photoluminescence. <i>Synthetic Metals</i> , 1996, 82, 1-9.	2.1	124
239	Structure of Crystalline Phosphates from ^{31}P Double-Quantum NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 1996, 118, 9631-9634.	6.6	114
240	Two-dimensional proton magnetization-exchange NMR spectroscopy in cross-linked elastomers. <i>Journal of Chemical Physics</i> , 1996, 105, 11285-11296.	1.2	48
241	Molecular dynamics in polystyrene from electron spin resonance (ESR) measurements: comparison between spinprobes and -labels attached to the chain ends. <i>Macromolecular Chemistry and Physics</i> , 1996, 197, 1121-1134.	1.1	3
242	Structure and dynamics of polyelectrolyte-surfactant complexes as revealed by solid state NMR. <i>Macromolecular Chemistry and Physics</i> , 1996, 197, 2713-2727.	1.1	40
243	Optimum measurement temperature for elucidating incomplete phase separation in core-shell latexes by solid state NMR. <i>Macromolecular Rapid Communications</i> , 1996, 17, 875-883.	2.0	7
244	Visualization of immobilization in shear bands by NMR imaging. <i>Advanced Materials</i> , 1996, 8, 481-484.	11.1	11
245	Title is missing!. <i>Acta Polymerica</i> , 1996, 47, 429-435.	1.4	5
246	Spatially Resolved NMR Spin Diffusion in Solid Polymers. <i>Journal of Magnetic Resonance Series A</i> , 1996, 120, 190-200.	1.6	26
247	Magic-Echo Parameter Imaging of Shearbands in Solid Polymers. <i>Journal of Magnetic Resonance Series A</i> , 1996, 120, 201-205.	1.6	10
248	Multiple-Pulse Line Narrowing under Fast Magic-Angle Spinning. <i>Journal of Magnetic Resonance Series A</i> , 1996, 121, 160-166.	1.6	58
249	Spectral parameters for quantitative mobility contrast in NMR imaging of solid polymers. <i>Solid State Nuclear Magnetic Resonance</i> , 1996, 6, 357-365.	1.5	13
250	Spatially resolved solid-state MAS-NMR-spectroscopy. <i>Solid State Nuclear Magnetic Resonance</i> , 1996, 6, 375-388.	1.5	17
251	Orientation of polybutadiene chains in a thermoplastic elastomer. <i>Colloid and Polymer Science</i> , 1996, 274, 723-731.	1.0	6
252	Structure and dynamics of liquid-crystalline polymers with different molecular architectures. <i>Macromolecular Symposia</i> , 1995, 96, 95-109.	0.4	4

#	ARTICLE	IF	CITATIONS
253	Synthesis and characterization of core-shell latexes with microscopic and solid-state NMR methods. <i>Macromolecular Symposia</i> , 1995, 92, 109-116.	0.4	8
254	Nature and dynamics of radicals in polyaramide as studied by pulsed electron nuclear double resonance. <i>Advanced Materials</i> , 1995, 7, 747-750.	11.1	6
255	Title is missing!. <i>Acta Polymerica</i> , 1995, 46, 291-299.	1.4	10
256	Microheterogeneities of core-shell latexes probed by ¹ H spin diffusion and transmission electron microscopy. <i>Macromolecular Chemistry and Physics</i> , 1995, 196, 985-993.	1.1	40
257	Phase transition from a C-centered to a B-centered orthorhombic crystalline form of syndiotactic poly(propylene). <i>Macromolecular Chemistry and Physics</i> , 1995, 196, 4011-4024.	1.1	50
258	Two-Dimensional Field-Step ELDOR. A Method for Characterizing the Motion of Spin Probes and Spin Labels in Glassy Solids. <i>Journal of Magnetic Resonance Series A</i> , 1995, 117, 193-208.	1.6	27
259	Dipolar Heteronuclear Multiple-Quantum NMR Spectroscopy in Rotating Solids. <i>Journal of Magnetic Resonance Series A</i> , 1995, 113, 131-134.	1.6	150
260	Application of Pulsed ENDOR to the Study of Radicals in a Liquid-Crystalline Copolyester. <i>Journal of Magnetic Resonance Series A</i> , 1995, 113, 177-184.	1.6	7
261	Spinning Sidebands in the Fast-MAS Multiple-Quantum Spectra of Protons in Solids. <i>Journal of Magnetic Resonance Series A</i> , 1995, 114, 264-267.	1.6	62
262	Determining Order in Polymers via Multidimensional Slow-Magic-Angle-Spinning DECODER NMR. <i>Journal of Magnetic Resonance Series A</i> , 1995, 115, 26-34.	1.6	21
263	Experimental Aspects of Multidimensional Exchange Solid-State NMR. <i>Journal of Magnetic Resonance Series A</i> , 1995, 115, 60-79.	1.6	86
264	Rotation-Synchronized Homonuclear Dipolar Decoupling. <i>Journal of Magnetic Resonance Series A</i> , 1995, 116, 36-45.	1.6	46
265	High-resolution double-quantum NMR spectroscopy of homonuclear spin pairs and proton connectivities in solids. <i>Chemical Physics Letters</i> , 1995, 243, 314-323.	1.2	139
266	Rate Memory of Structural Relaxation in Glasses and Its Detection by Multidimensional NMR. <i>Physical Review Letters</i> , 1995, 75, 2851-2854.	2.9	234
267	Dynamics and structure of a flexible columnar liquid crystal based on tetrabenzocyclododecatetraene. <i>Liquid Crystals</i> , 1995, 18, 309-318.	0.9	14
268	Frequency Dependence of Orientation in Dynamically Sheared Diblock Copolymers. <i>Macromolecules</i> , 1995, 28, 778-781.	2.2	94
269	Diffusion of Tracer Molecules within Symmetric Diblock Copolymers. <i>Macromolecules</i> , 1995, 28, 8287-8294.	2.2	23
270	Conformational Behavior of the Spacer in a Liquid Crystalline Main-Chain Polymer in Its Nematic and Glassy States. <i>Macromolecules</i> , 1995, 28, 6937-6941.	2.2	25

#	ARTICLE	IF	CITATIONS
271	Influence of Tensile Stress on the Molecular Mobility in Polycarbonate Visualized by Localized ¹ H NMR Spectroscopy. <i>Macromolecules</i> , 1995, 28, 6361-6364.	2.2	33
272	Solid-State ¹³ C-NMR Investigation of the Disorder in Crystalline Syndiotactic Polypropylene. <i>Macromolecules</i> , 1995, 28, 6902-6910.	2.2	63
273	Main Chain Order and Dynamics in a Liquid Crystalline Side-Group Polymer. <i>Molecular Crystals and Liquid Crystals</i> , 1995, 266, 47-58.	0.3	5
274	Molecular order and dynamics of liquid crystals formed from hydrogen-bonded networks of 5-octadecyloxyisophthalic acid. <i>Journal of Materials Chemistry</i> , 1995, 5, 2265-2274.	6.7	23
275	Conformational Effects and Configurational Splitting in ¹³ C NMR Spectra of Synthetic Polymers As Investigated by ab Initio Individual Gauges for Localized Molecular Orbitals (IGLO) Calculations. <i>Macromolecules</i> , 1995, 28, 7785-7795.	2.2	36
276	Structural properties of amorphous hydrogenated carbon. III. NMR investigations. <i>Physical Review B</i> , 1994, 50, 846-852.	1.1	95
277	Two-dimensional electron paramagnetic resonance spectroscopy of nitroxides: Elucidation of restricted molecular motions in glassy solids. <i>Journal of Chemical Physics</i> , 1994, 100, 2437-2448.	1.2	23
278	Solid-state n.m.r. studies of crystalline phases in gel-spun ultrahigh molecular weight polyethylene. <i>Polymer</i> , 1994, 35, 4728-4733.	1.8	23
279	Solid-state ¹³ C NMR characterization of molecular orientation of hot drawn nylon 6. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1994, 32, 1521-1529.	2.4	12
280	Phase-restricted radiation crosslinking in semicrystalline polyolefins investigated by two-dimensional solid-state nuclear magnetic resonance. <i>Macromolecular Chemistry and Physics</i> , 1994, 195, 1471-1482.	1.1	14
281	Orientalional distribution in stretched poly(methyl methacrylate) from ¹³ C NMR spectroscopy. <i>Macromolecular Chemistry and Physics</i> , 1994, 195, 1755-1762.	1.1	13
282	Structure and deformation behaviour of model poly(ether-urethane) elastomers, 1. Infrared studies. <i>Macromolecular Chemistry and Physics</i> , 1994, 195, 2855-2873.	1.1	33
283	Spatially Resolved Two-Dimensional Solid-State NMR Spectroscopy. <i>Journal of Magnetic Resonance Series A</i> , 1994, 107, 251-254.	1.6	8
284	Pulsed electron nuclear double resonance study of molecular motions of radicals in a high-strength liquid-crystalline polymer. <i>Chemical Physics Letters</i> , 1994, 218, 81-86.	1.2	2
285	Solid-state proton multiple-quantum NMR spectroscopy with fast magic angle spinning. <i>Chemical Physics Letters</i> , 1994, 227, 79-86.	1.2	131
286	10 years Max-Planck-institute for polymer research, Mainz. <i>Acta Polymerica</i> , 1994, 45, 135-136.	1.4	0
287	Title is missing!. <i>Acta Polymerica</i> , 1994, 45, 148-159.	1.4	59
288	Liquid-crystalline perylene oligomers: Synthesis and phase behavior. <i>Acta Polymerica</i> , 1994, 45, 188-195.	1.4	9

#	ARTICLE	IF	CITATIONS
289	Title is missing!. Acta Polymerica, 1994, 45, 204-209.	1.4	11
290	Mn(II) coordination and ionic conductivity in ionene glasses. Acta Polymerica, 1994, 45, 252-256.	1.4	2
291	Spatially resolved NMR of rigid polymers and elastomers. Magnetic Resonance Imaging, 1994, 12, 301-304.	1.0	6
292	Application of nuclear magnetic resonance magic sandwich echo imaging to solid polymers. Solid State Nuclear Magnetic Resonance, 1994, 3, 59-66.	1.5	26
293	Anion dynamics and conductivity in glassy polyelectrolytes - a two-dimensional solid state NMR study. Solid State Ionics, 1994, 68, 151-158.	1.3	16
294	Coupling of .alpha. and .beta. Processes in Poly(ethyl methacrylate) Investigated by Multidimensional NMR. Macromolecules, 1994, 27, 4746-4754.	2.2	114
295	Molecular Nature of the .beta. Relaxation in Poly(methyl methacrylate) Investigated by Multidimensional NMR. Macromolecules, 1994, 27, 4733-4745.	2.2	271
296	The nature of the glass transition in a columnar hexagonal ordered phase. Journal of Non-Crystalline Solids, 1994, 170, 295-299.	1.5	27
297	Universality of the glass transition temperature. Journal of Non-Crystalline Solids, 1994, 176, 294-298.	1.5	35
298	Direct detection of connectivities in glasses by 2D NMR. Journal of Non-Crystalline Solids, 1994, 180, 91-95.	1.5	50
299	Multidimensional 2H NMR studies of the non-exponential chain relaxation of polystyrene above the glass transition. Journal of Non-Crystalline Solids, 1994, 172-174, 737-750.	1.5	31
300	Conformational Order in Molten Amorphous Poly(ethyl methacrylate). Macromolecules, 1994, 27, 3111-3113.	2.2	33
301	Conformational Effects on 13C-NMR Chemical Shifts of an Amorphous Polymer: An ab Initio Study by the IGLO Method. Macromolecules, 1994, 27, 1500-1504.	2.2	23
302	Molecular dynamics of discotic charge-transfer complexes, dielectric spectroscopy and ^2H NMR studie. Liquid Crystals, 1994, 17, 381-395.	0.9	17
303	Detection of dynamics and phase separation in polymers using 2D ^1H NMR in solids. Magnetic Resonance in Chemistry, 1994, 32, S3.	1.1	5
304	NMR Imaging of Objects Containing Similar Substructures. Journal of Magnetic Resonance Series A, 1993, 103, 142-150.	1.6	5
305	Heteronuclear magnetization transfer in rapidly spinning solids. Chemical Physics Letters, 1993, 213, 145-152.	1.2	12
306	Liquid-Crystalline Perylene Derivatives as Discotic Pigments. Angewandte Chemie International Edition in English, 1993, 32, 1660-1662.	4.4	45

#	ARTICLE	IF	CITATIONS
307	Determination of domain sizes in heterogeneous polymers by solid-state NMR. <i>Acta Polymerica</i> , 1993, 44, 1-17.	1.4	411
308	Title is missing!. <i>Acta Polymerica</i> , 1993, 44, 31-38.	1.4	16
309	Title is missing!. <i>Acta Polymerica</i> , 1993, 44, 279-284.	1.4	15
310	Determination of chemical-shift tensor orientations in methylene groups by separated-local-field NMR. <i>Magnetic Resonance in Chemistry</i> , 1993, 31, 352-356.	1.1	37
311	¹ H spin diffusion coefficients of highly mobile polymers. <i>Polymer</i> , 1993, 34, 4566-4569.	1.8	83
312	Spinning sidebands from chemical shift anisotropy in ¹³ C MAS imaging. <i>Solid State Nuclear Magnetic Resonance</i> , 1993, 2, 105-110.	1.5	6
313	Nonexponential relaxation functions above T _g analysed by multidimensional NMR and novel spin-echo decay techniques. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1993, 201, 79-87.	1.2	39
314	Phenylene motion in polycarbonate: Influence of tensile stress and chemical modification. <i>Colloid and Polymer Science</i> , 1993, 271, 446-453.	1.0	52
315	A solid-state n.m.r. study of microphase structure and segmental dynamics of poly(styrene- <i>b</i> -methylphenylsiloxane) diblock copolymers. <i>Polymer</i> , 1993, 34, 267-276.	1.8	92
316	Two-dimensional NMR study of slow phenyl-flips in liquid-crystalline side group polymers. <i>Liquid Crystals</i> , 1993, 14, 215-226.	0.9	15
317	Molecular orientation distributions in poly(ethylene terephthalate) thin films and fibers from multidimensional DECODER NMR spectroscopy. <i>Macromolecules</i> , 1993, 26, 2282-2296.	2.2	69
318	Liquid Crystalline Perylene Derivatives: Orientation and Phase Variation of Discotic Dyes. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1993, 97, 1362-1365.	0.9	18
319	Structure and Dynamics of Liquid-Crystalline Polymers with Different Molecular Architectures from Multidimensional NMR Plenary Lecture. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1993, 97, 1294-1305.	0.9	23
320	Structure and order in partially oriented solids by three-dimensional magic angle spinning nuclear magnetic resonance spectroscopy. <i>Journal of Chemical Physics</i> , 1993, 98, 3816-3826.	1.2	44
321	Molecular dynamics near the glass transition. <i>Molecular Physics</i> , 1993, 80, 1317-1330.	0.8	23
322	Molecular Dynamics in Side-Group Polymers with and without Liquid Crystalline Phases from ² H NMR. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1993, 97, 1306-1311.	0.9	5
323	Two-dimensional nuclear magnetic resonance with sample flip for characterizing orientation distributions, and its analogy to x-ray scattering. <i>Journal of Chemical Physics</i> , 1992, 97, 2247-2262.	1.2	58
324	Two-dimensional exchange nuclear magnetic resonance of powder samples. IV. Distribution of correlation times and line shapes in the intermediate dynamic range. <i>Journal of Chemical Physics</i> , 1992, 97, 7944-7954.	1.2	103

#	ARTICLE	IF	CITATIONS
325	An infrared spectroscopic study of photo-induced reorientation in dye containing liquid-crystalline polymers. <i>Liquid Crystals</i> , 1992, 11, 251-267.	0.9	111
326	Convective director structures upon continuous rotation of nematic side group polymers. <i>Liquid Crystals</i> , 1992, 12, 735-750.	0.9	13
327	Correlation of structure, mobility, and morphological information in heterogeneous polymer materials by two-dimensional wideline-separation NMR spectroscopy. <i>Macromolecules</i> , 1992, 25, 3273-3277.	2.2	478
328	Molecular dynamics at the glass transition: One dimensional and two dimensional nuclear magnetic resonance studies of a glass-forming discotic liquid crystal. <i>Journal of Chemical Physics</i> , 1992, 97, 3749-3759.	1.2	69
329	Stiff macromolecules with aliphatic side chains: side-chain mobility, conformation, and organization from 2D solid-state NMR spectroscopy. <i>Macromolecules</i> , 1992, 25, 5208-5214.	2.2	160
330	Influence of tensile stress on the phenylene flips in polycarbonate studied by two-dimensional solid-state NMR. <i>Macromolecules</i> , 1992, 25, 5542-5544.	2.2	41
331	Solid-state reactions studied by carbon-13 rotor-synchronized magic angle spinning two-dimensional exchange NMR. 2. The Cope rearrangement and molecular reorientation in bullvalene. <i>Journal of the American Chemical Society</i> , 1992, 114, 3765-3771.	6.6	31
332	Motional behavior within the hard domain of segmented polyurethanes: a deuterium NMR study of a triblock model system. <i>Macromolecules</i> , 1992, 25, 993-995.	2.2	12
333	Solid-state reactions studied by carbon-13 rotor synchronized magic angle spinning two-dimensional exchange NMR. 1. Self-diffusion and the tautomeric hydrogen shift in tropolone. <i>Journal of the American Chemical Society</i> , 1992, 114, 3756-3765.	6.6	49
334	Effect of high hydrostatic pressure on the phenylene motion in polycarbonate as revealed by ² H spin-lattice relaxation. <i>Polymer</i> , 1992, 33, 2231-2233.	1.8	19
335	Molecular dynamics in glassy polyelectrolytes: a NMR study. <i>Electrochimica Acta</i> , 1992, 37, 1657-1661.	2.6	13
336	Molecular motion, phase separation and internal surfaces in rubberelastic polymers. <i>Angewandte Makromolekulare Chemie</i> , 1992, 202, 331-342.	0.3	4
337	2D-ELDOR detection of magnetization transfer of nitroxides in disordered solid polymers. <i>Chemical Physics Letters</i> , 1992, 193, 134-140.	1.2	32
338	The european polymer federation. <i>Advanced Materials</i> , 1992, 4, 390-393.	11.1	0
339	Deuteron NMR measurements of order and mobility in the hard segments of a model polyurethane. <i>Macromolecules</i> , 1991, 24, 4787-4795.	2.2	49
340	Local and cooperative motions at the glass transition of polystyrene: information from one- and two-dimensional NMR as compared with other techniques. <i>Macromolecules</i> , 1991, 24, 398-402.	2.2	129
341	Nature of nonexponential loss of correlation above the glass transition investigated by multidimensional NMR. <i>Physical Review Letters</i> , 1991, 66, 3020-3023.	2.9	601
342	Structure and dynamics of solid polymers from 2D- and 3D-NMR. <i>Chemical Reviews</i> , 1991, 91, 1321-1338.	23.0	119

#	ARTICLE	IF	CITATIONS
343	Conformational exchange near the glass transition: two-dimensional carbon-13 NMR study of atactic polypropylene. <i>Macromolecules</i> , 1991, 24, 6874-6876.	2.2	52
344	Two-dimensional NMR: new prospects for the elucidation of molecular dynamics in complex systems. <i>Journal of Non-Crystalline Solids</i> , 1991, 131-133, 766-772.	1.5	22
345	2D-solid state NMR studies of ultraslow motions: phenylflips and chain motions in the glassy state. <i>Journal of Non-Crystalline Solids</i> , 1991, 131-133, 777-780.	1.5	12
346	Chain dynamics in the crystalline β -phase of poly(vinylidene fluoride) by two-dimensional exchange deuteron NMR. <i>Macromolecules</i> , 1991, 24, 2428-2433.	2.2	66
347	Photopolymerization study of photoresists by ESR spectroscopy and ESR imaging. <i>Molecular Physics</i> , 1991, 74, 591-598.	0.8	5
348	¹ H and ² H NMR study of chain motion at the poly(dimethylsiloxane) filler interface. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1991, 44, 33-36.	0.6	2
349	Nondestructive evaluation of polymer materials by solid state NMR imaging. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1991, 44, 37-45.	0.6	12
350	Structure, dynamics and phase separation in liquid crystalline polymers, block copolymers and blends as revealed by solid state NMR spectroscopy. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1991, 50, 241-248.	0.6	4
351	Dynamics and deformation behaviour in non-hydrogen bonded model urethanes under heat and stress as studied by dielectric and infrared spectroscopy. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1991, 50, 191-202.	0.6	9
352	Segmental Dynamics in a Glassy Polyelectrolyte: Solid State ² H NMR. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1991, 95, 1071-1076.	0.9	8
353	Conditions for generating rotating gradients in MAS NMR imaging. <i>Journal of Magnetic Resonance</i> , 1991, 95, 437-441.	0.5	8
354	Chain dynamics of bilayer n-decylammonium chloride studied by deuteron NMR spectroscopy. <i>European Physical Journal B</i> , 1991, 84, 43-49.	0.6	21
355	Chain diffusion between crystalline and amorphous regions in polyethylene detected by 2D exchange carbon-13 NMR. <i>Macromolecules</i> , 1991, 24, 5288-5293.	2.2	260
356	Spectroscopic imaging of solids by deuteron magic-angle-spinning NMR. <i>Chemical Physics Letters</i> , 1991, 184, 251-255.	1.2	13
357	The use of composite pulses in the TOSS experiment. <i>Journal of Magnetic Resonance</i> , 1991, 92, 628-630.	0.5	7
358	A deuteron NMR study of axial motion and side chain conformation in the mesophase of discotic liquid crystal main-chain polymers. <i>Colloid and Polymer Science</i> , 1991, 269, 993-1002.	1.0	21
359	Effect of functionalization on glass formation by columnar mesophases of substituted triphenylene mesogens. <i>Liquid Crystals</i> , 1991, 10, 759-770.	0.9	67
360	Reconstruction of angular distributions from two-dimensional NMR spectra of powder samples. <i>Chemical Physics Letters</i> , 1990, 167, 583-587.	1.2	37

#	ARTICLE	IF	CITATIONS
361	Orientation of the diphenylene propane unit in stretched polycarbonate from two-dimensional magic-angle-spinning NMR. <i>Colloid and Polymer Science</i> , 1990, 268, 22-27.	1.0	21
362	Solid-state ^{13}C -NMR on oriented films of liquid-crystalline polymers. <i>Advanced Materials</i> , 1990, 2, 484-487.	11.1	14
363	Miscibility of polymer blends investigated by ^1H spin diffusion and ^{13}C NMR detection. <i>Magnetic Resonance in Chemistry</i> , 1990, 28, S3-S9.	1.1	100
364	Two-dimensional exchange nuclear magnetic resonance of powder samples. III. Transition to motional averaging and application to the glass transition. <i>Journal of Chemical Physics</i> , 1990, 93, 197-214.	1.2	131
365	Substituted tetrabenzocyclophanes as mesogenic units of new polycondensates exhibiting columnar mesophases. <i>Liquid Crystals</i> , 1990, 7, 123-129.	0.9	18
366	Deuteron double-quantum NMR imaging of molecular order and mobility in solid polymers. <i>Molecular Physics</i> , 1990, 71, 477-489.	0.8	35
367	Molecular dynamics and the glass transition in a columnar liquid crystal formed by a chiral discotic mesogen. <i>Liquid Crystals</i> , 1990, 8, 889-893.	0.9	53
368	Rotor synchronized three-dimensional ^{13}C magic angle spinning nuclear magnetic resonance: Correlation between molecular structure, order, and dynamics in solids. <i>Journal of Chemical Physics</i> , 1990, 93, 7740-7750.	1.2	15
369	^2H NMR studies of phase behaviour and molecular motions of doped discotic liquid-crystalline systems. <i>Liquid Crystals</i> , 1990, 8, 375-388.	0.9	44
370	Two-Dimensional Solid State NMR Studies of Ultraslow Molecular Reorientation in Solid Polymers. <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , 1990, 187, 223-230.	0.3	4
371	Deuterium nuclear magnetic resonance studies of molecular motions and alignment processes of discotic liquid-crystalline compounds based on substituted triphenylenes. <i>Macromolecules</i> , 1990, 23, 4061-4067.	2.2	43
372	Two-dimensional solid-state NMR studies of ultraslow chain motion: glass transition in atactic poly(propylene) versus helical jumps in isotactic poly(propylene). <i>Macromolecules</i> , 1990, 23, 3431-3439.	2.2	152
373	Molecular motions in poly(diethyl siloxane) studied by solid-state ^{29}Si NMR. <i>Colloid and Polymer Science</i> , 1989, 267, 681-686.	1.0	24
374	Broadband dielectric spectroscopy on a discotic liquid crystalline polymer. <i>Colloid and Polymer Science</i> , 1989, 267, 583-586.	1.0	26
375	Structure and molecular dynamics of highly mobile polymer membranes. <i>Angewandte Makromolekulare Chemie</i> , 1989, 166, 39-56.	0.3	7
376	An order-exchange-correlated two-dimensional NMR study of slow molecular motion in highly oriented crystalline poly(oxyethylene). <i>Macromolecules</i> , 1989, 22, 1004-1006.	2.2	17
377	Ultra-slow director rotation in nematic side-group polymers detected by N.M.R.. <i>Liquid Crystals</i> , 1989, 4, 341-345.	0.9	17
378	Ultra-slow Molecular Motion in Polymers: 1D and 2D NMR Spectroscopy. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1989, 93, 1189-1193.	0.9	9

#	ARTICLE	IF	CITATIONS
379	Two-dimensional NMR methods for studying solid polymers. Makromolekulare Chemie Macromolecular Symposia, 1989, 26, 197-207.	0.6	6
380	Two-Dimensional Solid-State NMR Spectroscopy: New Possibilities for the Investigation of the Structure and Dynamics of Solid Polymers [New Analytical Methods (38)]. Angewandte Chemie International Edition in English, 1988, 27, 1655-1672.	4.4	73
381	2D magic angle spinning NMR spectroscopy: Correlation between molecular order and dynamics. Chemical Physics Letters, 1988, 150, 1-5.	1.2	17
382	Deuteron two-dimensional exchange NMR in solids. Journal of Magnetic Resonance, 1988, 79, 269-290.	0.5	73
383	Two-dimensional exchange NMR of powder samples. I. Two-time distribution functions. Journal of Chemical Physics, 1988, 89, 1219-1233.	1.2	125
384	Highly ordered main chain in a liquid crystalline side-group polymer. Macromolecules, 1988, 21, 1626-1629.	2.2	28
385	Two-dimensional exchange NMR of powder samples. II. The dynamic evolution of two-time distribution functions. Journal of Chemical Physics, 1988, 89, 1234-1244.	1.2	134
386	Magnetic-field-induced orientation of crystallites in powders of layered intercalation compounds detected by NMR. The Journal of Physical Chemistry, 1988, 92, 7167-7168.	2.9	10
387	NMR of Stiff Macromolecules with Flexible Side Chains. Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics, 1987, 153, 199-206.	0.3	8
388	Molecular motions from two-dimensional NMR of powders: Comparison of rotational jumps and diffusive reorientations. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1987, 91, 1141-1145.	0.9	23
389	Phenylene motion in polycarbonate and polycarbonate/additive mixtures. Colloid and Polymer Science, 1987, 265, 815-822.	1.0	117
390	Dynamic magic-angle spinning nmr spectroscopy: exchange-induced sidebands. Chemical Physics Letters, 1987, 139, 239-243.	1.2	61
391	Structure and order in partially oriented solids: Characterization by 2D-magic-angle-spinning NMR. Journal of Chemical Physics, 1987, 86, 1206-1218.	1.2	130
392	Dynamics of molecular reorientations: Analogies between quasielastic neutron scattering and deuteron NMR spin alignment. Journal of Chemical Physics, 1986, 84, 4579-4584.	1.2	126
393	Static and MAS ³⁵ Cl NMR and Molecular Motions of ClO Ions in the Various Phases of Multimethylammonium Perchlorates. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1986, 90, 1153-1159.	0.9	18
394	Deuteron NMR investigations of structure and dynamics in solid polymers, liquid crystalline polymers and polymer model membranes. Makromolekulare Chemie Macromolecular Symposia, 1986, 4, 227-230.	0.6	7
395	Dynamics of molecular reorientations: direct determination of rotational angles from two-dimensional NMR of powders. Chemical Physics Letters, 1986, 130, 84-90.	1.2	165
396	14N and 35Cl double resonance study of the low-temperature phase transition in CH3NH3ClO4. Physics Letters, Section A: General, Atomic and Solid State Physics, 1986, 116, 295-298.	0.9	17

#	ARTICLE	IF	CITATIONS
397	NMR imaging with incommensurate sampling and gradient undulation rates. Journal of Magnetic Resonance, 1986, 66, 66-73.	0.5	5
398	Deuteron NMR methods for studying molecular order and motion in solid polymers and liquid crystalline polymers. Pure and Applied Chemistry, 1985, 57, 1617-1626.	0.9	33
399	Deuteron NMR Study of Molecular Mobility in a Polymer Model Membrane. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1985, 89, 1208-1214.	0.9	28
400	Deuteron n.m.r. in relation to the glass transition in polymers. Polymer, 1985, 26, 203-207.	1.8	53
401	Quaternions as a practical tool for the evaluation of composite rotations. Journal of Magnetic Resonance, 1985, 61, 356-362.	0.5	28
402	Phase Transitions and Molecular Motion in Dimethylammonium Perchlorate as Revealed by DSC, Proton and Deuteron NMR. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1985, 89, 763-771.	0.9	24
403	Deuteron n.m.r. study of chain motion in solid polyethylene. Polymer, 1984, 25, 1078-1086.	1.8	102
404	Molecular dynamics of solid polymers as revealed by deuteron NMR. Colloid and Polymer Science, 1983, 261, 193-209.	1.0	434
405	Deuteron spin alignment spectra of powders in presence of ultraslow motions. Journal of Magnetic Resonance, 1983, 54, 466-479.	0.5	19
406	Pulsed deuteron NMR investigations of structure and dynamics of solid polymers. Journal of Molecular Structure, 1983, 111, 119-133.	1.8	26
407	Quasi-two-dimensional motion and proton exchange in electrolyte layers of hydrated chalcogenides. Journal of Chemical Physics, 1982, 77, 4627-4631.	1.2	30
408	Quasi-One-Dimensional Behaviour of Hydrogen in $H_{0.35}MoO_3$ and $H_{0.33}WO_3$ as Revealed by Proton NMR. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1982, 86, 1101-1106.	0.9	32
409	Deuteron NMR study of molecular order and motion in a liquid crystalline polymer. Journal of the American Chemical Society, 1982, 104, 917-919.	6.6	44
410	Chain motion in the amorphous regions of polyethylene as revealed by Deuteron magnetic resonance. Macromolecules, 1981, 14, 1605-1607.	2.2	51
411	Pseudo-solid echoes of proton and deuteron NMR in polyethylene melts. Colloid and Polymer Science, 1981, 259, 220-226.	1.0	69
412	Solid echoes in the slow-motion region. Journal of Magnetic Resonance, 1981, 42, 381-389.	0.5	127
413	Orientational distribution of polymer chains studied by 2H n.m.r. line shapes. Polymer, 1981, 22, 1516-1521.	1.8	69
414	Ultraslow tetrahedral jumps in solid hexamethylenetetramine studied by deuteron spin alignment. Chemical Physics Letters, 1980, 71, 182-186.	1.2	32

#	ARTICLE	IF	CITATIONS
415	Deuterium lineshape study of tetrahedral jumps in solid hexamethylenetetramine. Journal of Magnetic Resonance, 1980, 39, 217-228.	0.5	16
416	Chain motion in amorphous regions of polyethylene: interpretation of deuteron n.m.r. line shapes. Polymer, 1980, 21, 757-763.	1.8	34
417	Deuteron spin alignment: A probe for studying ultraslow motions in solids and solid polymers. Journal of Chemical Physics, 1980, 72, 6755-6762.	1.2	290
418	Deuterium fourier transform NMR in solids and solid polymers. Journal of Magnetic Resonance, 1979, 35, 157-162.	0.5	35
419	Orientalional distributions in partially ordered solids as determined from NMR and ESR line shapes. Journal of Chemical Physics, 1978, 68, 56.	1.2	87
420	¹ H Multiple-pulse study of a single crystal of trans-diiodoethylene: Example of self-decoupling. Journal of Magnetic Resonance, 1977, 25, 55-66.	0.5	18
421	¹⁹ F and ¹ H shielding tensors and crystal structure of 4,4'-difluorobiphenyl. Molecular Physics, 1976, 31, 1569-1583.	0.8	36
422	Proton magnetic shielding and susceptibility effects in single crystals of ferrocene. Chemical Physics, 1976, 12, 123-130.	0.9	21
423	NMR Study of a single crystal of KHF ₂ . I. ¹ H and ¹⁹ F dipolar spectra. Journal of Magnetic Resonance, 1976, 22, 93-102.	0.5	9
424	NMR study of a single crystal of KHF ₂ . II. proton magnetic shielding tensor. Journal of Magnetic Resonance, 1976, 22, 103-116.	0.5	9
425	Magnetische Abschirmungstensoren für ¹³ C und ¹⁵ N in organischen Festkörpern. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1975, 79, 1009-1013.	0.9	5
426	Analysis of the ¹³ C chemical shift tensor in CO, Ni(CO) ₄ , and Fe(CO) ₅ and its relationship to back bonding. Journal of Chemical Physics, 1974, 61, 55-60.	1.2	29
427	Nuclear Magnetic Resonance in ^B and ^V Semiconductors. Physica Status Solidi (B): Basic Research, 1974, 62, 183-192.	0.7	159
428	Multiple pulse study of the proton shielding in single crystals of maleic acid. Chemical Physics, 1974, 5, 119-128.	0.9	28
429	¹³ C anisotropic chemical shift in organic solids: Benzoic acid and derivatives, benzophenone, and thiobenzophenone. Chemical Physics, 1974, 4, 269-276.	0.9	49
430	Molecular motion studied by NMR powder spectra. I. Lineshape calculation for axially symmetric shielding tensors. Chemical Physics, 1974, 6, 217-225.	0.9	72
431	Molecular motion studied by NMR powder spectra. II. Experimental results for solid P ₄ and solid Fe(CO) ₅ . Chemical Physics, 1974, 6, 226-234.	0.9	119
432	Anisotropic chemical shifts and spin rotation constants of ¹⁵ N from liquid and solid state NMR: Nitrobenzene. Journal of Magnetic Resonance, 1974, 16, 243-251.	0.5	16

#	ARTICLE	IF	CITATIONS
433	Nitrogen-15 NMR of pyridine in high magnetic: Fields. Journal of Magnetic Resonance, 1974, 15, 529-539.	0.5	30
434	Molecular motion in liquid toluene from a study of ¹³ C and 2D relaxation times. Journal of Magnetic Resonance, 1973, 9, 444-460.	0.5	25
435	Quadrupole Coupling and Anisotropic Chemical Shift in Re ₂ (CO) ₁₀ , Mn ₂ (CO) ₁₀ , and ReMn(CO) ₁₀ . Journal of Chemical Physics, 1972, 57, 813-821.	1.2	17
436	¹³ C Anisotropic chemical shift in a single crystal of benzophenone. Chemical Physics Letters, 1972, 17, 39-42.	1.2	49
437	Spin echo experiments on ¹³ C, ² H, ¹ H, and ¹⁹ F in some small molecules in the liquid phase. Journal of Magnetic Resonance, 1972, 6, 39-54.	0.5	10
438	Spin-rotation interaction and anisotropic chemical shift in ¹³ CS ₂ . Journal of Magnetic Resonance, 1971, 5, 101-108.	0.5	47
439	Quadrupole Coupling and Anisotropic Chemical Shifts in Some Manganese Carbonyls. Journal of Chemical Physics, 1971, 54, 1099-1103.	1.2	36
440	Anisotropic Chemical Shifts in Trigonal Cobalt Carbonyls Containing Metal-Metal Bonds. Journal of Chemical Physics, 1970, 53, 3036-3041.	1.2	39
441	Moessbauer spectra of some linear and triangular polynuclear iron carbonyls. Inorganic Chemistry, 1970, 9, 1694-1699.	1.9	12
442	Orientation of the Electric-Field-Gradient Tensor in Crystalline Dirhenium Decacarbonyl. Journal of Chemical Physics, 1969, 51, 3932-3936.	1.2	4
443	Quadrupole Coupling in Dicobalt Octacarbonyl. Journal of Chemical Physics, 1969, 51, 1970-1974.	1.2	11
444	Anisotropic Chemical Shifts in Cobalt (III) Complexes. Journal of Chemical Physics, 1969, 50, 3057-3064.	1.2	76
445	Oxygen- ¹⁷ Quadrupole Coupling Parameters for Water in Its Various Phases. Journal of Chemical Physics, 1969, 51, 1201-1205.	1.2	99