

Hans Wolfgang Spiess

List of Publications by Year in descending order

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papers

27,025
citations

5574

82
h-index

10158

140
g-index

449
all docs

449
docs citations

449
times ranked

17251
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.	13.7	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.	13.7	34
3	<i>50th Anniversary Perspective</i>: The Importance of NMR Spectroscopy to Macromolecular Science. <i>Macromolecules</i> , 2017, 50, 1761-1777.	4.8	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.	13.7	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.	2.1	18
7	A supramolecular helix that disregards chirality. <i>Nature Chemistry</i> , 2016, 8, 80-89.	13.6	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.	47.7	99
9	X-Band DNP Hyperpolarization of Viscous Liquids and Polymer Melts. <i>Macromolecular Rapid Communications</i> , 2015, 36, 885-889.	3.9	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.	7.1	27
11	Fast-field-cycling relaxometry enhanced by Dynamic Nuclear Polarization. <i>Microporous and Mesoporous Materials</i> , 2015, 205, 70-74.	4.4	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.	3.8	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.	13.7	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.	13.7	40
15	Multinuclear NMR Study of Structure and Mobility in Cyclic Model Lithium Conducting Systems. <i>Applied Magnetic Resonance</i> , 2014, 45, 1063-1073.	1.2	4
16	Morphological Anisotropy and Proton Conduction in Multiblock Copolyimide Electrolyte Membranes. <i>Macromolecules</i> , 2014, 47, 2645-2658.	4.8	38
17	Magic Angle Spinning NMR of Macromolecular and Supramolecular Systems. <i>Israel Journal of Chemistry</i> , 2014, 54, 16-24.	2.3	4
18	Advanced magnetic resonance strategies for the elucidation of nanostructured soft matter. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 9700.	2.8	15

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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.	13.7	141
20	High resolution para-hydrogen induced polarization in inhomogeneous magnetic fields. <i>Journal of Magnetic Resonance</i> , 2013, 230, 155-159.	2.1	18
21	Hyperpolarized ¹ H long lived states originating from parahydrogen accessed by rf irradiation. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 17233.	2.8	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.	2.8	30
23	Solid-State NMR in Macromolecular Systems: Insights on How Molecular Entities Move. <i>Accounts of Chemical Research</i> , 2013, 46, 1996-2007.	15.6	110
24	Glass transition of poly(ethylmethacrylate) admixed and bound to nanoparticles. <i>Journal of Chemical Physics</i> , 2013, 138, 12A503.	3.0	12
25	New Phosphonate-Based Additives for Fortification in Model Epoxies. <i>Macromolecules</i> , 2013, 46, 2067-2077.	4.8	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.	13.7	98
27	Tunable and Switchable Dielectric Constant in an Amphidynamic Crystal. <i>Journal of the American Chemical Society</i> , 2013, 135, 5230-5233.	13.7	307
28	Structure Formation of Polymeric Building Blocks: Complex Polymer Architectures. <i>Advances in Polymer Science</i> , 2013, , 115-210.	0.8	6
29	Probing Macromolecular and Supramolecular Structure, Dynamics, and Function by Magnetic Resonance. <i>Advances in Polymer Science</i> , 2013, , 295-320.	0.8	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.	13.7	128
31	Benzoxazole Resin: A Novel Class of Thermoset Polymer via Smart Benzoxazine Resin. <i>Macromolecules</i> , 2012, 45, 8991-8997.	4.8	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.	13.8	160
33	Proton magnetic resonance imaging with para-hydrogen induced polarization. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 2346.	2.8	42
34	Online Monitoring of Styrene Polymerization in Miniemulsion by Hyperpolarized ¹²⁹ Xenon NMR Spectroscopy. <i>Macromolecules</i> , 2012, 45, 1839-1846.	4.8	22
35	Conformational Transitions of Poly(^l -proline) in Copolypeptides with Poly(^l -benzyl- ^l -glutamate) Induced by Packing. <i>Macromolecules</i> , 2012, 45, 9326-9332.	4.8	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.	7.5	23

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37	Two-dimensional Fourier transform rheological study on thermosensitivity of $\text{poly}(\text{N,N-diethylacrylamide})$ in aqueous solutions. <i>Polymer</i> , 2012, 53, 4800-4805.	3.8	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.	13.7	94
39	A Mobile DNP Polarizer for Continuous Flow Applications. <i>Applied Magnetic Resonance</i> , 2012, 43, 195-206.	1.2	12
40	Overhauser DNP and EPR in a Mobile Setup: Influence of Magnetic Field Inhomogeneity. <i>Applied Magnetic Resonance</i> , 2012, 43, 149-165.	1.2	14
41	Level anti-crossings in ParaHydrogen Induced Polarization experiments with Cs-symmetric molecules. <i>Journal of Magnetic Resonance</i> , 2012, 219, 33-40.	2.1	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.	2.5	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.	7.4	39
44	Unravelling the fine structure of stacked bipyridine diamine-derived C3-disocotics as determined by X-ray diffraction, quantum-chemical calculations, Fast-MAS NMR and CD spectroscopy. <i>Chemical Science</i> , 2011, 2, 69-76.	7.4	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.	13.7	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.	0.5	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.	13.7	76
48	Structure Formation in Metal Complex/Polymer Hybrid Nanomaterials Prepared by Miniemulsion. <i>Langmuir</i> , 2011, 27, 12859-12868.	3.5	6
49	Self-Assembly of Dendronized Perylene Bisimides into Complex Helical Columns. <i>Journal of the American Chemical Society</i> , 2011, 133, 12197-12219.	13.7	120
50	Dead-time free measurement of dipole-dipole interactions between electron spins. <i>Journal of Magnetic Resonance</i> , 2011, 213, 316-325.	2.1	61
51	Ultrahigh Mobility in Polymer Field-Effect Transistors by Design. <i>Journal of the American Chemical Society</i> , 2011, 133, 2605-2612.	13.7	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.	2.2	32
53	Empty Helical Nanochannels with Adjustable Order from Low-Symmetry Macrocycles. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3030-3033.	13.8	79
54	Hierarchical self-assembly in diblock copolypeptides of $\text{poly}(\text{l}^3\text{-benzyl-l-glutamate})$ with $\text{poly}(\text{l-leucine})$ and $\text{poly}(\text{O-benzyl-l-tyrosine})$. <i>European Polymer Journal</i> , 2011, 47, 668-674.	5.4	18

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55	DEER in biological multispin-systems: A case study on the fatty acid binding to human serum albumin. Journal of Magnetic Resonance, 2011, 210, 210-217.	2.1	49
56	Fast and Slow Dynamics in a Discotic Liquid Crystal with Regions of Columnar Order and Disorder. Physical Review Letters, 2011, 107, 257801.	7.8	35
57	Probing How Counterion Structure and Dynamics Determine Polyelectrolyte Solutions Using EPR Spectroscopy. Applied Magnetic Resonance, 2010, 37, 657-683.	1.2	27
58	Spin-labeled Heparins as Polarizing Agents for Dynamic Nuclear Polarization. ChemPhysChem, 2010, 11, 3656-3663.	2.1	12
59	EPR Spectroscopic Characterization of Local Nanoscopic Heterogeneities during the Thermal Collapse of Thermoresponsive Dendronized Polymers. Angewandte Chemie - International Edition, 2010, 49, 5683-5687.	13.8	105
60	Continuous ^1H and ^{13}C Signal Enhancement in NMR Spectroscopy and MRI Using Parahydrogen and Hollow-Fiber Membranes. Angewandte Chemie - International Edition, 2010, 49, 8358-8362.	13.8	66
61	The Distribution of Fatty Acids Reveals the Functional Structure of Human Serum Albumin. Angewandte Chemie - International Edition, 2010, 49, 8755-8759.	13.8	64
62	Solid-State NMR Characterization of the Multiphase Structure of Polypropylene Inert Reactor Alloy. Macromolecular Chemistry and Physics, 2010, 211, 1157-1166.	2.2	20
63	^{13}C hyperpolarization of a barbituric acid derivative via parahydrogen induced polarization. Journal of Magnetic Resonance, 2010, 204, 50-55.	2.1	40
64	Hydrogen-Bonded Aggregates of Oligoamide-Poly(ethylene glycol) Block Copolymers. Macromolecules, 2010, 43, 4978-4985.	4.8	31
65	Hierarchical Self-Assembly and Dynamics of a Miktoarm Star-chimera Composed of Poly(3 -benzyl-glutamate), Polystyrene, and Polyisoprene. Macromolecules, 2010, 43, 1874-1881.	4.8	42
66	Phase Behavior and Proton Conduction in Poly(vinylphosphonic acid)/Poly(ethylene oxide) Blends. Macromolecules, 2010, 43, 3876-3881.	4.8	12
67	Photocatalytic hydrogen evolution through fully conjugated poly(azomethine) networks. Chemical Communications, 2010, 46, 8932.	4.1	235
68	Interplay of Structure and Dynamics in Macromolecular and Supramolecular Systems. Macromolecules, 2010, 43, 5479-5491.	4.8	72
69	Self-Assembly, Dynamics, and Phase Transformation Kinetics of Donor-Acceptor Substituted Perylene Derivatives. Journal of the American Chemical Society, 2010, 132, 7478-7487.	13.7	54
70	Thermoresponsive, spin-labeled hydrogels as separable DNP polarizing agents. Physical Chemistry Chemical Physics, 2010, 12, 5879.	2.8	35
71	The Role of Conformations in the Interplay of Structure and Dynamics in Macromolecular and Supramolecular Systems. Macromolecular Symposia, 2010, 298, 10-16.	0.7	4
72	Slow kinetics of phase transformation in a dipole-functionalized discotic liquid crystal. Journal of Chemical Physics, 2009, 131, 114704.	3.0	7

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73	Self-Assembly and Dynamics of Polypeptides. <i>Macromolecular Rapid Communications</i> , 2009, 30, 278-298.	3.9	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.	3.9	22
75	Local and Collective Motions in Precise Polyolefins with Alkyl Branches: A Combination of ^2H and ^{13}C Solid-State NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4617-4620.	13.8	46
76	Cooperative Molecular Motion within a Self-Assembled Liquid-Crystalline Molecular Wire: The Case of a TEG-Substituted Perylenediimide Disc. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4621-4624.	13.8	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.	2.1	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.	2.1	37
79	Resolution enhancement in MRI of laser polarized ^3He by control of diffusion. <i>Journal of Magnetic Resonance</i> , 2009, 197, 56-62.	2.1	4
80	Diffusion spin echo suppression in the presence of inhomogeneous gradients. <i>Chemical Physics Letters</i> , 2009, 481, 137-141.	2.6	5
81	Solid-state NMR and computational studies of tetratolyl urea calix[4]arene inclusion compounds. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 9241.	2.8	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.	13.7	38
83	Geometry of Complex Molecular Motions of Guest Molecules in Polymers from Solid State ^2H NMR. <i>Macromolecules</i> , 2009, 42, 4929-4931.	4.8	31
84	^1H 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.	2.6	46
85	Polyethylene Functionalized with Precisely Spaced Phosphonic Acid Groups. <i>Macromolecules</i> , 2009, 42, 4407-4409.	4.8	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.	13.7	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.	2.6	16
88	Proton Mobilities in Phosphonic Acid-Based Proton Exchange Membranes Probed by ^1H and ^2H Solid-State NMR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2009, 113, 6674-6681.	2.6	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.	0.9	23
90	Ring-Expansion Metathesis Polymerization: Catalyst-Dependent Polymerization Profiles. <i>Journal of the American Chemical Society</i> , 2009, 131, 2670-2677.	13.7	109

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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.	2.6	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.	13.7	579
93	A Mobile DNP Polarizer for Clinical Applications. <i>Applied Magnetic Resonance</i> , 2008, 34, 321-330.	1.2	28
94	Parahydrogen induced polarization of barbituric acid derivatives: ^1H hyperpolarization studies. <i>Magnetic Resonance in Chemistry</i> , 2008, 46, 713-717.	1.9	13
95	Proton-Conducting Properties of Acid-Doped Poly(glycidyl methacrylate)- <i>l</i> ,2,4-Triazole Systems. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 593-603.	2.2	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.	2.2	10
97	Effect of Polymer Composition and Water Content on Proton Conductivity in Vinyl Benzyl Phosphonic Acid-Vinyl Pyridine Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 2494-2503.	2.2	33
98	NMR Spectroscopy: Pushing the Limits of Sensitivity. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 639-642.	13.8	33
99	Relaxation-based distance measurements between a nitroxide and a lanthanide spin label. <i>Journal of Magnetic Resonance</i> , 2008, 194, 254-263.	2.1	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.	13.7	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.	4.8	73
102	Beyond Isotropic Tumbling Models: Nuclear Spin Relaxation in Liquids from First Principles. <i>ChemPhysChem</i> , 2008, 9, 2313-2316.	2.1	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.	13.7	80
104	Control of Peptide Secondary Structure and Dynamics in Poly(β^3 -benzyl-l-glutamate)-b-polyalanine Peptides. <i>Macromolecules</i> , 2008, 41, 8072-8080.	4.8	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.	5.4	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.	2.8	81
107	Distant Dipolar Fields in Laser-Polarized Gases on Macroscopic Scales. <i>Physical Review Letters</i> , 2008, 100, 213001.	7.8	12
108	Origin of the Complex Molecular Dynamics in Functionalized Discotic Liquid Crystals. <i>Physical Review Letters</i> , 2008, 100, 107801.	7.8	53

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109	Geometry of phenylene motion in polycarbonate from NMR spectroscopy and neutron scattering. Journal of Chemical Physics, 2007, 126, 041104.	3.0	16
110	Intermediate temperature proton conductors for PEM fuel cells based on phosphonic acid as protogenic group: A progress report. Physical Chemistry Chemical Physics, 2007, 9, 1764-1773.	2.8	303
111	Spin Echo Formation in the Presence of Stochastic Dynamics. Physical Review Letters, 2007, 99, 263001.	7.8	10
112	Morphological differences in semicrystalline polymers: Implications for local dynamics and chain diffusion. Physical Review E, 2007, 76, 060801.	2.1	56
113	Diffusion and Conformation of Peptide-Functionalized Polyphenylene Dendrimers Studied by Fluorescence Correlation and ¹³ C NMR Spectroscopy. Biomacromolecules, 2007, 8, 1745-1750.	5.4	37
114	Selectivity of guest-host interactions in self-assembled hydrogen-bonded nanostructures observed by NMR. Physical Chemistry Chemical Physics, 2007, 9, 4545.	2.8	28
115	Self-Assembly and Molecular Dynamics of Copolymers of ¹³ -Methyl-L-glutamate and Stearyl-L-glutamate. Macromolecules, 2007, 40, 8311-8322.	4.8	13
116	Probing the solvent-induced tautomerism of a redox-active ureidopyrimidinone. Chemical Communications, 2007, , 2246.	4.1	19
117	² H Solid-State NMR of Mobile Protons: It Is Not Always the Simple Way. Journal of the American Chemical Society, 2007, 129, 12406-12407.	13.7	62
118	High-Resolution Solid-State NMR Studies of Poly(vinyl phosphonic acid) Proton-Conducting Polymer: Molecular Structure and Proton Dynamics. Journal of Physical Chemistry B, 2007, 111, 9711-9721.	2.6	138
119	Chain Dynamics in Poly(<i>n</i> -alkyl acrylates) by Solid-State NMR, Dielectric, and Mechanical Spectroscopies. Macromolecules, 2007, 40, 6249-6256.	4.8	40
120	Structure of Molecular Tweezer Complexes in the Solid State: NMR Experiments, X-ray Investigations, and Quantum Chemical Calculations. Journal of the American Chemical Society, 2007, 129, 1293-1303.	13.7	53
121	Separation of the Nonlinear Oscillatory Response into a Superposition of Linear, Strain Hardening, Strain Softening, and Wall Slip Response. Macromolecules, 2007, 40, 4250-4259.	4.8	136
122	Kinetics of Shear Microphase Orientation and Reorientation in Lamellar Diblock and Triblock Copolymer Melts as Detected via FT-Rheology and 2D-SAXS. Macromolecular Chemistry and Physics, 2007, 208, 1719-1729.	2.2	31
123	Composition and Morphology Control in Ordered Mesostructured High-Temperature Ceramics from Block Copolymer Mesophases. Macromolecular Chemistry and Physics, 2007, 208, 2096-2108.	2.2	22
124	Effect of Branch Length on ¹³ C NMR Relaxation Properties in Molten Poly[ethylene-co-(1,3-butadiene)] Model Systems. Macromolecular Chemistry and Physics, 2007, 208, 2128-2133.	2.2	21
125	Water sorption of poly(vinylphosphonic acid) and its influence on proton conductivity. Solid State Ionics, 2007, 178, 469-474.	2.7	88
126	Bulk Chemical Shifts in Hydrogen-Bonded Systems from First-Principles Calculations and Solid-State-NMR. Journal of Physical Chemistry B, 2006, 110, 23204-23210.	2.6	94

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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.	2.8	31
128	Heterogeneity of the Surfactant Layer in Organically Modified Silicates and Polymer/Layered Silicate Composites. <i>Macromolecules</i> , 2006, 39, 2191-2200.	4.8	49
129	Self-Assembly and Molecular Dynamics of Peptide-Functionalized Polyphenylene Dendrimers. <i>Macromolecules</i> , 2006, 39, 9605-9613.	4.8	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.	3.8	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.	3.8	29
132	A site-directed spin-labeling study of surfactants in polymer/clay nanocomposites. <i>Colloid and Polymer Science</i> , 2006, 284, 1211-1219.	2.1	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.	10.7	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.	3.3	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.	13.8	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.	3.4	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.	2.2	84
138	Effects of Comonomers on Lamellar and Noncrystalline Microstructure of Ethylene Copolymers. <i>Macromolecular Rapid Communications</i> , 2006, 27, 322-327.	3.9	9
139	Orientation dynamics in isotropic phases of model oligofluorenes: Glass or liquid crystal. <i>Journal of Chemical Physics</i> , 2006, 124, 204910.	3.0	7
140	Thermal, morphological and rheological characterization of poly(acrylic acid-g-styrene) amphiphilic graft copolymers. <i>Polymer</i> , 2005, 46, 4544-4553.	3.8	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.	2.3	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.	2.3	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.	11.0	40
144	Heterogeneity in polymer melts from melting of polymer crystals. <i>Nature Materials</i> , 2005, 4, 635-641.	27.5	321

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145	Determining the Geometry of Hydrogen Bonds in Solids with Picometer Accuracy by Quantum-Chemical Calculations and NMR Spectroscopy. ChemPhysChem, 2005, 6, 315-327.	2.1	39
146	Surface Modification with Orthogonal Photosensitive Silanes for Sequential Chemical Lithography and Site-Selective Particle Deposition. Angewandte Chemie - International Edition, 2005, 44, 4707-4712.	13.8	106
147	Influence of Hydrogen Bonds on the Supramolecular Order of Hexa-peri-hexabenzocoronenes. Advanced Functional Materials, 2005, 15, 1585-1594.	14.9	66
148	Structural Reasons for Restricted Backbone Motion in Poly(n-alkyl methacrylates): Degree of Polymerization, Tacticity and Side-Chain Length. Macromolecular Chemistry and Physics, 2005, 206, 142-156.	2.2	46
149	On the Occasion of Gerhard Wegner's 65th Birthday. Macromolecular Chemistry and Physics, 2005, 206, 13-14.	2.2	0
150	² H NMR Study of Aromatic Guest Dynamics in Clathrate Phases of Syndiotactic Polystyrene. Macromolecular Chemistry and Physics, 2005, 206, 715-724.	2.2	27
151	Structure of amorphous poly-(ethylmethacrylate): A wide-angle x-ray scattering study. Journal of Chemical Physics, 2005, 122, 014906.	3.0	39
152	Radial counterion distributions in polyelectrolyte solutions determined by EPR spectroscopy. Europhysics Letters, 2005, 70, 102-108.	2.0	23
153	Network formation involving polyelectrolytes in solution: the role of counterions. Colloid and Polymer Science, 2004, 282, 901-909.	2.1	9
154	Extended mesoionic systems: synthesis and characterization of monocyclic, polycyclic and macrocyclic pyrimidinium-olate derivatives and their photochemical behavior. Tetrahedron, 2004, 60, 10011-10018.	1.9	14
155	Imaging of a mixture of hyperpolarized ³ He and ¹²⁹ Xe. Magnetic Resonance Imaging, 2004, 22, 1077-1083.	1.8	9
156	Advanced solid-state nuclear magnetic resonance for polymer science. Journal of Polymer Science Part A, 2004, 42, 5031-5044.	2.3	42
157	Rotor Modulations and Recoupling Strategies in ¹³ C Solid-State Magic-Angle-Spinning NMR Spectroscopy: Probing Molecular Orientation and Dynamics. ChemPhysChem, 2004, 5, 895-908.	2.1	26
158	Advanced ¹ H Solid-State NMR Spectroscopy on Hydrogels, 2. Macromolecular Chemistry and Physics, 2004, 205, 438-447.	2.2	25
159	Advanced ¹ H Solid-State NMR Spectroscopy on Hydrogels, 1. Macromolecular Chemistry and Physics, 2004, 205, 430-437.	2.2	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)-Chemistry and Physics, 2004, 205, 1021-1030.	2.2	27
161	Solvent molecules trapped in supramolecular organic nanotubes: a combined solid-state NMR and DFT study. Chemical Physics Letters, 2004, 388, 164-169.	2.6	32
162	Parameters Influencing the Templated Growth of Colloidal Crystals on Chemically Patterned Surfaces. Langmuir, 2004, 20, 9114-9123.	3.5	142

#	ARTICLE	IF	CITATIONS
163	NMR Studies of PAH/PSS Polyelectrolyte Multilayers Adsorbed onto Silica. <i>Macromolecules</i> , 2004, 37, 4830-4838.	4.8	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.	2.6	46
165	Photochemistry and Mobility of Stilbenoid Dendrimers in Their Neat Phases. <i>Journal of the American Chemical Society</i> , 2004, 126, 772-784.	13.7	65
166	Tribute to Erhard W. Fischer $\hat{\text{A}}$. <i>Macromolecules</i> , 2004, 37, 1167-1168.	4.8	0
167	Dynamics, Site Binding, and Distribution of Counterions in Polyelectrolyte Solutions Studied by Electron Paramagnetic Resonance Spectroscopy $\hat{\text{A}}$. <i>Journal of Physical Chemistry B</i> , 2004, 108, 3698-3704.	2.6	56
168	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.	4.8	62
169	Separation of polyelectrolyte chain dynamics and dynamics of counterion attachment by EPR spectroscopy. <i>Macromolecular Symposia</i> , 2004, 211, 71-86.	0.7	11
170	Effect of Interfaces on the Crystallization Behavior of PDMS. <i>Journal of Materials Science</i> , 2003, 11, 199-209.	1.2	52
171	The influence of sodium ethene sulphonate comonomer on the film formation process of poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overl	2.1	5
172	Nuclear Magnetic Resonance Spectroscopy in Macromolecular Science. <i>Macromolecular Chemistry and Physics</i> , 2003, 204, 340-346.	2.2	14
173	Investigations on the Film-Formation Process of Latex Dispersions by Solid-State NMR Spectroscopy. <i>Macromolecular Chemistry and Physics</i> , 2003, 204, 787-802.	2.2	26
174	Site-Selective Growth of Colloidal Crystals with Photonic Properties on Chemically Patterned Surfaces. <i>Advanced Materials</i> , 2003, 15, 1025-1028.	21.0	107
175	No influence of magnetic fields on cell cycle progression using conditions relevant for patients during MRI. <i>Bioelectromagnetics</i> , 2003, 24, 241-250.	1.6	44
176	NMR chemical shifts in proton conducting crystals from first principles. <i>Computational and Theoretical Chemistry</i> , 2003, 625, 283-288.	1.5	28
177	Reorientation phenomena in imidazolium methyl sulfonate as probed by advanced solid-state NMR. <i>Solid State Nuclear Magnetic Resonance</i> , 2003, 24, 150-162.	2.3	37
178	Benzoxazine Oligomers: $\hat{\text{A}}$ 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.	13.7	116
179	^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.	13.7	127
180	NMR Studies of the Effect of Adsorbed Water on Polyelectrolyte Multilayer Films in the Solid State. <i>Macromolecules</i> , 2003, 36, 3616-3625.	4.8	81

#	ARTICLE	IF	CITATIONS
181	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.	13.7	106
182	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.	3.0	37
183	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.	4.8	95
184	Structural Relaxation of Polymers at the Glass Transition: Conformational Memory in Poly(<i>n</i> -alkylmethacrylates). <i>Physical Review Letters</i> , 2003, 91, 155702.	7.8	53
185	Supramolecular aspects of polymer science: a challenge for solid state NMR. <i>Macromolecular Symposia</i> , 2003, 201, 85-88.	0.7	8
186	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.	3.0	28
187	Crystallization of PDMS: The effect of physical and chemical crosslinks. <i>Europhysics Letters</i> , 2002, 60, 390-396.	2.0	96
188	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.	2.6	163
189	Probing Porous Polymer Resins by High-Field Electron Spin Resonance Spectroscopy. <i>Macromolecules</i> , 2002, 35, 3977-3983.	4.8	15
190	Dipolar Recoupling in NOESY-Type ^1H - ^1H NMR Experiments under HRMAS Conditions. <i>Organic Letters</i> , 2002, 4, 1559-1562.	4.6	9
191	Microphase Reorientation in Block Copolymer Melts As Detected via FT Rheology and 2D SAXS. <i>Macromolecules</i> , 2002, 35, 3198-3204.	4.8	41
192	Counterion Condensation and Conformational Transitions of Polyelectrolytes Characterized by EPR Spectroscopy. <i>Macromolecules</i> , 2002, 35, 9698-9706.	4.8	38
193	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.	2.6	164
194	Water Induced Dewetting of Ultrathin Polystyrene Films on Hydrophilic Surfaces. <i>Langmuir</i> , 2002, 18, 8056-8061.	3.5	31
195	Solid-State NMR Investigations of Molecular Dynamics in Polyphenylene Dendrimers: Evidence of Dense-Shell Packing. <i>Macromolecules</i> , 2002, 35, 10071-10086.	4.8	62
196	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 9-11, 2002. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 3750-3758.	2.8	59
197	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.	3.1	75
198	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.	3.1	12

#	ARTICLE	IF	CITATIONS
199	EPR Studies on Film Formation of Colloidal Dispersions, 1. Site Selectivity and Techniques. <i>Macromolecular Chemistry and Physics</i> , 2002, 203, 182-191.	2.2	13
200	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.	2.2	66
201	Solid Hybrid Polymer Electrolyte Networks: Nano-Structurable Materials for Lithium Batteries. <i>Advanced Materials</i> , 2002, 14, 1134.	21.0	44
202	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.	2.1	13
203	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.	2.1	4
204	Self-organization of supramolecular helical dendrimers into complex electronic materials. <i>Nature</i> , 2002, 419, 384-387.	27.8	938
205	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.	47.7	482
206	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.	3.0	64
207	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.	13.7	78
208	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.	4.8	30
209	Block Copolymer/Ceramic Hybrid Materials from Organically Modified Ceramic Precursors. <i>Chemistry of Materials</i> , 2001, 13, 3464-3486.	6.7	257
210	Two-dimensional Fourier transform rheology. <i>Journal of Rheology</i> , 2001, 45, 1319-1339.	2.6	18
211	Local Order and Chain Dynamics in Molten Polymer Blocks Revealed by Proton Double-Quantum NMR. <i>Macromolecules</i> , 2001, 34, 298-309.	4.8	78
212	Multidimensional solid-state NMR of structure and dynamics of polymers. <i>Macromolecular Symposia</i> , 2001, 174, 111-120.	0.7	5
213	Characterization of polymer dispersions by Fourier transform rheology. <i>Rheologica Acta</i> , 2001, 40, 552-559.	2.4	69
214	The NMR-WEBLAB: An internet approach to NMR lineshape analysis. <i>Applied Magnetic Resonance</i> , 2001, 20, 405-432.	1.2	171
215	Fast right-angle spinning EPR on organic radicals: Resolution enhancement and angle determination. <i>Applied Magnetic Resonance</i> , 2001, 20, 17-33.	1.2	3
216	High-field EPR studies on polymer film formation from colloidal dispersions. <i>Applied Magnetic Resonance</i> , 2001, 21, 495-506.	1.2	2

#	ARTICLE	IF	CITATIONS
217	Dynamic mechanical and dielectric properties of ORMOCERÂ® incorporating functionalized poly(styrene) latexes. Journal of Polymer Science, Part B: Polymer Physics, 2001, 39, 860-867.	2.1	0
218	Lack of mutagenic and co-mutagenic effects of magnetic fields during magnetic resonance imaging. Journal of Magnetic Resonance Imaging, 2001, 14, 779-788.	3.4	28
219	Investigation of an $Ni^{1/2}Zr^{1/2}H$ hydrogen bond in a solid benzoxazine dimer by $1H$ - $15N$ NMR correlation techniques under fast magic-angle spinning. Magnetic Resonance in Chemistry, 2001, 39, S5-S17.	1.9	51
220	Recoupled Polarization-Transfer Methods for Solid-State $1H$ - $13C$ Heteronuclear Correlation in the Limit of Fast MAS. Journal of Magnetic Resonance, 2001, 148, 398-418.	2.1	76
221	Double-Quantum Double-Quantum MAS Exchange NMR Spectroscopy: Dipolar-Coupled Spin Pairs as Probes for Slow Molecular Dynamics. Journal of Magnetic Resonance, 2001, 149, 90-102.	2.1	31
222	Inverse Detection and Heteronuclear Editing in $1H$ - $15N$ Correlation and $1H$ - $1H$ Double-Quantum NMR Spectroscopy in the Solid State under Fast MAS. Journal of Magnetic Resonance, 2001, 150, 57-70.	2.1	63
223	High-Resolution $1H$ NMR Spectroscopy in the Solid State: Very Fast Sample Rotation and Multiple-Quantum Coherences. Journal of Magnetic Resonance, 2001, 151, 153-227.	2.1	320
224	Quantitative Characterisation of the Inner Structure of Core-Shell Latex Particles by $1H$ Solid-State NMR. Macromolecular Chemistry and Physics, 2001, 202, 1262-1272.	2.2	6
225	Shape-Persistent Polyphenylene Dendrimersâ€”Restricted Molecular Dynamics from Advanced Solid-State Nuclear Magnetic Resonance Techniques. Advanced Materials, 2001, 13, 752-756.	21.0	47
226	Structure Assignment in the Solid State by the Coupling of Quantum Chemical Calculations with NMR Experiments: A Columnar Hexabenzocoronene Derivative. Journal of the American Chemical Society, 2001, 123, 2597-2606.	13.7	145
227	Length scale of dynamic heterogeneity in supercooled glycerol near T_g . Journal of Chemical Physics, 2001, 114, 7299-7302.	3.0	173
228	Gerhard Wegner. Advanced Materials, 2000, 12, 249-250.	21.0	2
229	Dead-Time Free Measurement of Dipoleâ€”Dipole Interactions between Electron Spins. Journal of Magnetic Resonance, 2000, 142, 331-340.	2.1	949
230	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. Macromolecular Chemistry and Physics, 2000, 201, 995-1007.	2.2	97
231	Fast Magic-Angle Spinning and Double-Quantum $1H$ Solid-State NMR Spectroscopy of Polyelectrolyte Multilayers. Advanced Materials, 2000, 12, 1934-1938.	21.0	55
232	Dipolar spectroscopy and spin alignment in electron paramagnetic resonance. Chemical Physics Letters, 2000, 331, 243-252.	2.6	173
233	A $1H$ double-quantum magic-angle spinning solid-state NMR investigation of packing and dynamics in triphenylene and hexabenzocoronene derivatives. Journal of Molecular Structure, 2000, 521, 179-195.	3.6	49
234	Different types of water in the film formation process of latex dispersions as detected by solid-state nuclear magnetic resonance spectroscopy. Colloid and Polymer Science, 2000, 278, 236-244.	2.1	12

#	ARTICLE	IF	CITATIONS
235	Characterization of superabsorbing polymers by NMR imaging. Colloid and Polymer Science, 2000, 278, 547-552.	2.1	5
236	Determination of Ion Cluster Sizes and Cluster-to-Cluster Distances in Ionomers by Four-Pulse Double Electron Electron Resonance Spectroscopy. Macromolecules, 2000, 33, 7812-7818.	4.8	56
237	Film-forming colloidal dispersions studied by tracer methods. Macromolecular Symposia, 2000, 151, 451-457.	0.7	5
238	Dynamics in the crystalline polymorphic forms I and II and form III of isotactic poly(1-butene). Journal of Polymer Science, Part B: Polymer Physics, 2000, 38, 2611-2624.	2.1	1
239	Poly(p-phenylenevinylene) by chemical vapor deposition: synthesis, structural evaluation, glass transition, electroluminescence, and photoluminescence. Synthetic Metals, 1996, 82, 1-9.	3.9	124
240	Structure of Crystalline Phosphates from ^{31}P Double-Quantum NMR Spectroscopy. Journal of the American Chemical Society, 1996, 118, 9631-9634.	13.7	114
241	Two-dimensional proton magnetization-exchange NMR spectroscopy in cross-linked elastomers. Journal of Chemical Physics, 1996, 105, 11285-11296.	3.0	48
242	Molecular dynamics in polystyrene from electron spin resonance (ESR) measurements: comparison between spinprobes and -labels attached to the chain ends. Macromolecular Chemistry and Physics, 1996, 197, 1121-1134.	2.2	3
243	Structure and dynamics of polyelectrolyte-surfactant complexes as revealed by solid state NMR. Macromolecular Chemistry and Physics, 1996, 197, 2713-2727.	2.2	40
244	Optimum measurement temperature for elucidating incomplete phase separation in core-shell latexes by solid state NMR. Macromolecular Rapid Communications, 1996, 17, 875-883.	3.9	7
245	Visualization of immobilization in shear bands by NMR imaging. Advanced Materials, 1996, 8, 481-484.	21.0	11
246	Title is missing!. Acta Polymerica, 1996, 47, 429-435.	0.9	5
247	Spatially Resolved NMR Spin Diffusion in Solid Polymers. Journal of Magnetic Resonance Series A, 1996, 120, 190-200.	1.6	26
248	Magic-Echo Parameter Imaging of Shearbands in Solid Polymers. Journal of Magnetic Resonance Series A, 1996, 120, 201-205.	1.6	10
249	Multiple-Pulse Line Narrowing under Fast Magic-Angle Spinning. Journal of Magnetic Resonance Series A, 1996, 121, 160-166.	1.6	58
250	Spectral parameters for quantitative mobility contrast in NMR imaging of solid polymers. Solid State Nuclear Magnetic Resonance, 1996, 6, 357-365.	2.3	13
251	Spatially resolved solid-state MAS-NMR-spectroscopy. Solid State Nuclear Magnetic Resonance, 1996, 6, 375-388.	2.3	17
252	Orientation of polybutadiene chains in a thermoplastic elastomer. Colloid and Polymer Science, 1996, 274, 723-731.	2.1	6

#	ARTICLE	IF	CITATIONS
253	Structure and dynamics of liquid-crystalline polymers with different molecular architectures. <i>Macromolecular Symposia</i> , 1995, 96, 95-109.	0.7	4
254	Synthesis and characterization of core-shell latexes with microscopic and solid-state NMR methods. <i>Macromolecular Symposia</i> , 1995, 92, 109-116.	0.7	8
255	Nature and dynamics of radicals in polyaramide as studied by pulsed electron nuclear double resonance. <i>Advanced Materials</i> , 1995, 7, 747-750.	21.0	6
256	Title is missing!. <i>Acta Polymerica</i> , 1995, 46, 291-299.	0.9	10
257	Microheterogeneities of core-shell latexes probed by ^1H spin diffusion and transmission electron microscopy. <i>Macromolecular Chemistry and Physics</i> , 1995, 196, 985-993.	2.2	40
258	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.	2.2	50
259	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
260	Dipolar Heteronuclear Multiple-Quantum NMR Spectroscopy in Rotating Solids. <i>Journal of Magnetic Resonance Series A</i> , 1995, 113, 131-134.	1.6	150
261	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
262	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
263	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
264	Experimental Aspects of Multidimensional Exchange Solid-State NMR. <i>Journal of Magnetic Resonance Series A</i> , 1995, 115, 60-79.	1.6	86
265	Rotation-Synchronized Homonuclear Dipolar Decoupling. <i>Journal of Magnetic Resonance Series A</i> , 1995, 116, 36-45.	1.6	46
266	High-resolution double-quantum NMR spectroscopy of homonuclear spin pairs and proton connectivities in solids. <i>Chemical Physics Letters</i> , 1995, 243, 314-323.	2.6	139
267	Rate Memory of Structural Relaxation in Glasses and Its Detection by Multidimensional NMR. <i>Physical Review Letters</i> , 1995, 75, 2851-2854.	7.8	234
268	Dynamics and structure of a flexible columnar liquid crystal based on tetrabenzocyclododecatetraene. <i>Liquid Crystals</i> , 1995, 18, 309-318.	2.2	14
269	Frequency Dependence of Orientation in Dynamically Sheared Diblock Copolymers. <i>Macromolecules</i> , 1995, 28, 778-781.	4.8	94
270	Diffusion of Tracer Molecules within Symmetric Diblock Copolymers. <i>Macromolecules</i> , 1995, 28, 8287-8294.	4.8	23

#	ARTICLE	IF	CITATIONS
271	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.	4.8	25
272	Influence of Tensile Stress on the Molecular Mobility in Polycarbonate Visualized by Localized ¹ H NMR Spectroscopy. <i>Macromolecules</i> , 1995, 28, 6361-6364.	4.8	33
273	Solid-State ¹³ C-NMR Investigation of the Disorder in Crystalline Syndiotactic Polypropylene. <i>Macromolecules</i> , 1995, 28, 6902-6910.	4.8	63
274	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
275	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
276	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.	4.8	36
277	Structural properties of amorphous hydrogenated carbon. III. NMR investigations. <i>Physical Review B</i> , 1994, 50, 846-852.	3.2	95
278	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.	3.0	23
279	Solid-state n.m.r. studies of crystalline phases in gel-spun ultrahigh molecular weight polyethylene. <i>Polymer</i> , 1994, 35, 4728-4733.	3.8	23
280	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.	2.1	12
281	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.	2.2	14
282	Orientalional distribution in stretched poly(methyl methacrylate) from ¹³ C NMR spectroscopy. <i>Macromolecular Chemistry and Physics</i> , 1994, 195, 1755-1762.	2.2	13
283	Structure and deformation behaviour of model poly(ether-urethane) elastomers, 1. Infrared studies. <i>Macromolecular Chemistry and Physics</i> , 1994, 195, 2855-2873.	2.2	33
284	Spatially Resolved Two-Dimensional Solid-State NMR Spectroscopy. <i>Journal of Magnetic Resonance Series A</i> , 1994, 107, 251-254.	1.6	8
285	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.	2.6	2
286	Solid-state proton multiple-quantum NMR spectroscopy with fast magic angle spinning. <i>Chemical Physics Letters</i> , 1994, 227, 79-86.	2.6	131
287	10 years Max-Planck-institute for polymer research, Mainz. <i>Acta Polymerica</i> , 1994, 45, 135-136.	0.9	0
288	Title is missing!. <i>Acta Polymerica</i> , 1994, 45, 148-159.	0.9	59

#	ARTICLE	IF	CITATIONS
289	Liquid-crystalline perylene oligomers: Synthesis and phase behavior. Acta Polymerica, 1994, 45, 188-195.	0.9	9
290	Title is missing!. Acta Polymerica, 1994, 45, 204-209.	0.9	11
291	Mn(II) coordination and ionic conductivity in ionene glasses. Acta Polymerica, 1994, 45, 252-256.	0.9	2
292	Spatially resolved NMR of rigid polymers and elastomers. Magnetic Resonance Imaging, 1994, 12, 301-304.	1.8	6
293	Application of nuclear magnetic resonance magic sandwich echo imaging to solid polymers. Solid State Nuclear Magnetic Resonance, 1994, 3, 59-66.	2.3	26
294	Anion dynamics and conductivity in glassy polyelectrolytes - a two-dimensional solid state NMR study. Solid State Ionics, 1994, 68, 151-158.	2.7	16
295	Coupling of .alpha. and .beta. Processes in Poly(ethyl methacrylate) Investigated by Multidimensional NMR. Macromolecules, 1994, 27, 4746-4754.	4.8	114
296	Molecular Nature of the .beta. Relaxation in Poly(methyl methacrylate) Investigated by Multidimensional NMR. Macromolecules, 1994, 27, 4733-4745.	4.8	271
297	The nature of the glass transition in a columnar hexagonal ordered phase. Journal of Non-Crystalline Solids, 1994, 170, 295-299.	3.1	27
298	Universality of the glass transition temperature. Journal of Non-Crystalline Solids, 1994, 176, 294-298.	3.1	35
299	Direct detection of connectivities in glasses by 2D NMR. Journal of Non-Crystalline Solids, 1994, 180, 91-95.	3.1	50
300	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.	3.1	31
301	Conformational Order in Molten Amorphous Poly(ethyl methacrylate). Macromolecules, 1994, 27, 3111-3113.	4.8	33
302	Conformational Effects on 13C-NMR Chemical Shifts of an Amorphous Polymer: An ab Initio Study by the IGLO Method. Macromolecules, 1994, 27, 1500-1504.	4.8	23
303	Molecular dynamics of discotic charge-transfer complexes, dielectric spectroscopy and ² H NMR studie. Liquid Crystals, 1994, 17, 381-395.	2.2	17
304	Detection of dynamics and phase separation in polymers using 2D ¹ H NMR in solids. Magnetic Resonance in Chemistry, 1994, 32, S3.	1.9	5
305	NMR Imaging of Objects Containing Similar Substructures. Journal of Magnetic Resonance Series A, 1993, 103, 142-150.	1.6	5
306	Heteronuclear magnetization transfer in rapidly spinning solids. Chemical Physics Letters, 1993, 213, 145-152.	2.6	12

#	ARTICLE	IF	CITATIONS
307	Liquid-Crystalline Perylene Derivatives as "Discotic Pigments". Angewandte Chemie International Edition in English, 1993, 32, 1660-1662.	4.4	45
308	Determination of domain sizes in heterogeneous polymers by solid-state NMR. Acta Polymerica, 1993, 44, 1-17.	0.9	411
309	Title is missing!. Acta Polymerica, 1993, 44, 31-38.	0.9	16
310	Title is missing!. Acta Polymerica, 1993, 44, 279-284.	0.9	15
311	Determination of chemical-shift tensor orientations in methylene groups by separated-local-field NMR. Magnetic Resonance in Chemistry, 1993, 31, 352-356.	1.9	37
312	¹ H spin diffusion coefficients of highly mobile polymers. Polymer, 1993, 34, 4566-4569.	3.8	83
313	Spinning sidebands from chemical shift anisotropy in ¹³ C MAS imaging. Solid State Nuclear Magnetic Resonance, 1993, 2, 105-110.	2.3	6
314	Nonexponential relaxation functions above T _g analysed by multidimensional NMR and novel spin-echo decay techniques. Physica A: Statistical Mechanics and Its Applications, 1993, 201, 79-87.	2.6	39
315	Phenylene motion in polycarbonate: Influence of tensile stress and chemical modification. Colloid and Polymer Science, 1993, 271, 446-453.	2.1	52
316	A solid-state n.m.r. study of microphase structure and segmental dynamics of poly(styrene- <i>b</i> -methylphenylsiloxane) diblock copolymers. Polymer, 1993, 34, 267-276.	3.8	92
317	Two-dimensional NMR study of slow phenyl-flips in liquid-crystalline side group polymers. Liquid Crystals, 1993, 14, 215-226.	2.2	15
318	Molecular orientation distributions in poly(ethylene terephthalate) thin films and fibers from multidimensional DECODER NMR spectroscopy. Macromolecules, 1993, 26, 2282-2296.	4.8	69
319	Liquid Crystalline Perylene Derivatives: Orientation and Phase Variation of Discotic Dyes. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1993, 97, 1362-1365.	0.9	18
320	Structure and Dynamics of Liquid "Crystalline Polymers with Different Molecular Architectures from Multidimensional NMR Plenary Lecture. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1993, 97, 1294-1305.	0.9	23
321	Structure and order in partially oriented solids by three-dimensional magic angle spinning nuclear magnetic resonance spectroscopy. Journal of Chemical Physics, 1993, 98, 3816-3826.	3.0	44
322	Molecular dynamics near the glass transition. Molecular Physics, 1993, 80, 1317-1330.	1.7	23
323	Molecular Dynamics in Side "Group Polymers with and without Liquid Crystalline Phases from ² H NMR. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1993, 97, 1306-1311.	0.9	5
324	Two-dimensional nuclear magnetic resonance with sample flip for characterizing orientation distributions, and its analogy to x-ray scattering. Journal of Chemical Physics, 1992, 97, 2247-2262.	3.0	58

#	ARTICLE	IF	CITATIONS
325	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.	3.0	103
326	An infrared spectroscopic study of photo-induced reorientation in dye containing liquid-crystalline polymers. <i>Liquid Crystals</i> , 1992, 11, 251-267.	2.2	111
327	Convective director structures upon continuous rotation of nematic side group polymers. <i>Liquid Crystals</i> , 1992, 12, 735-750.	2.2	13
328	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.	4.8	478
329	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.	3.0	69
330	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.	4.8	160
331	Influence of tensile stress on the phenylene flips in polycarbonate studied by two-dimensional solid-state NMR. <i>Macromolecules</i> , 1992, 25, 5542-5544.	4.8	41
332	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.	13.7	31
333	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.	4.8	12
334	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.	13.7	49
335	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.	3.8	19
336	Molecular dynamics in glassy polyelectrolytes: a NMR study. <i>Electrochimica Acta</i> , 1992, 37, 1657-1661.	5.2	13
337	Molecular motion, phase separation and internal surfaces in rubberelastic polymers. <i>Angewandte Makromolekulare Chemie</i> , 1992, 202, 331-342.	0.2	4
338	2D-ELDOR detection of magnetization transfer of nitroxides in disordered solid polymers. <i>Chemical Physics Letters</i> , 1992, 193, 134-140.	2.6	32
339	The european polymer federation. <i>Advanced Materials</i> , 1992, 4, 390-393.	21.0	0
340	Deuteron NMR measurements of order and mobility in the hard segments of a model polyurethane. <i>Macromolecules</i> , 1991, 24, 4787-4795.	4.8	49
341	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.	4.8	129
342	Nature of nonexponential loss of correlation above the glass transition investigated by multidimensional NMR. <i>Physical Review Letters</i> , 1991, 66, 3020-3023.	7.8	601

#	ARTICLE	IF	CITATIONS
343	Structure and dynamics of solid polymers from 2D- and 3D-NMR. Chemical Reviews, 1991, 91, 1321-1338.	47.7	119
344	Conformational exchange near the glass transition: two-dimensional carbon-13 NMR study of atactic polypropylene. Macromolecules, 1991, 24, 6874-6876.	4.8	52
345	Two-dimensional NMR: new prospects for the elucidation of molecular dynamics in complex systems. Journal of Non-Crystalline Solids, 1991, 131-133, 766-772.	3.1	22
346	2D-solid state NMR studies of ultraslow motions: phenylflips and chain motions in the glassy state. Journal of Non-Crystalline Solids, 1991, 131-133, 777-780.	3.1	12
347	Chain dynamics in the crystalline β -phase of poly(vinylidene fluoride) by two-dimensional exchange deuteron NMR. Macromolecules, 1991, 24, 2428-2433.	4.8	66
348	Photopolymerization study of photoresists by ESR spectroscopy and ESR imaging. Molecular Physics, 1991, 74, 591-598.	1.7	5
349	^1H and ^2H NMR study of chain motion at the poly(dimethylsiloxane)-filler interface. Makromolekulare Chemie Macromolecular Symposia, 1991, 44, 33-36.	0.6	2
350	Nondestructive evaluation of polymer materials by solid state NMR imaging. Makromolekulare Chemie Macromolecular Symposia, 1991, 44, 37-45.	0.6	12
351	Structure, dynamics and phase separation in liquid crystalline polymers, block copolymers and blends as revealed by solid state NMR spectroscopy. Makromolekulare Chemie Macromolecular Symposia, 1991, 50, 241-248.	0.6	4
352	Dynamics and deformation behaviour in non-hydrogen bonded model urethanes under heat and stress as studied by dielectric and infrared spectroscopy. Makromolekulare Chemie Macromolecular Symposia, 1991, 50, 191-202.	0.6	9
353	Segmental Dynamics in a Glassy Polyelectrolyte: Solid-State ^2H -NMR. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1991, 95, 1071-1076.	0.9	8
354	Conditions for generating rotating gradients in MAS NMR imaging. Journal of Magnetic Resonance, 1991, 95, 437-441.	0.5	8
355	Chain dynamics of bilayer n-decylammonium chloride studied by deuteron NMR spectroscopy. European Physical Journal B, 1991, 84, 43-49.	1.5	21
356	Chain diffusion between crystalline and amorphous regions in polyethylene detected by 2D exchange carbon-13 NMR. Macromolecules, 1991, 24, 5288-5293.	4.8	260
357	Spectroscopic imaging of solids by deuteron magic-angle-spinning NMR. Chemical Physics Letters, 1991, 184, 251-255.	2.6	13
358	The use of composite pulses in the TOSS experiment. Journal of Magnetic Resonance, 1991, 92, 628-630.	0.5	7
359	A deuteron NMR study of axial motion and side chain conformation in the mesophase of discotic liquid crystal main-chain polymers. Colloid and Polymer Science, 1991, 269, 993-1002.	2.1	21
360	Effect of functionalization on glass formation by columnar mesophases of substituted triphenylene mesogens. Liquid Crystals, 1991, 10, 759-770.	2.2	67

#	ARTICLE	IF	CITATIONS
361	Reconstruction of angular distributions from two-dimensional NMR spectra of powder samples. Chemical Physics Letters, 1990, 167, 583-587.	2.6	37
362	Orientation of the diphenylene propane unit in stretched polycarbonate from two-dimensional magic-angle-spinning NMR. Colloid and Polymer Science, 1990, 268, 22-27.	2.1	21
363	Solid-state ¹³ C-NMR on oriented films of liquid-crystalline polymers. Advanced Materials, 1990, 2, 484-487.	21.0	14
364	Miscibility of polymer blends investigated by ¹ H spin diffusion and ¹³ C NMR detection. Magnetic Resonance in Chemistry, 1990, 28, S3-S9.	1.9	100
365	Two-dimensional exchange nuclear magnetic resonance of powder samples. III. Transition to motional averaging and application to the glass transition. Journal of Chemical Physics, 1990, 93, 197-214.	3.0	131
366	Substituted tetrabenzocyclophanes as mesogenic units of new polycondensates exhibiting columnar mesophases. Liquid Crystals, 1990, 7, 123-129.	2.2	18
367	Deuteron double-quantum NMR imaging of molecular order and mobility in solid polymers. Molecular Physics, 1990, 71, 477-489.	1.7	35
368	Molecular dynamics and the glass transition in a columnar liquid crystal formed by a chiral discotic mesogen. Liquid Crystals, 1990, 8, 889-893.	2.2	53
369	Rotor synchronized three-dimensional ¹³ C magic angle spinning nuclear magnetic resonance: Correlation between molecular structure, order, and dynamics in solids. Journal of Chemical Physics, 1990, 93, 7740-7750.	3.0	15
370	² H NMR studies of phase behaviour and molecular motions of doped discotic liquid-crystalline systems. Liquid Crystals, 1990, 8, 375-388.	2.2	44
371	Two-Dimensional Solid State NMR Studies of Ultraslow Molecular Reorientation in Solid Polymers. Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics, 1990, 187, 223-230.	0.3	4
372	Deuterium nuclear magnetic resonance studies of molecular motions and alignment processes of discotic liquid-crystalline compounds based on substituted triphenylenes. Macromolecules, 1990, 23, 4061-4067.	4.8	43
373	Two-dimensional solid-state NMR studies of ultraslow chain motion: glass transition in atactic poly(propylene) versus helical jumps in isotactic poly(propylene). Macromolecules, 1990, 23, 3431-3439.	4.8	152
374	Molecular motions in poly(diethyl siloxane) studied by solid-state ²⁹ Si NMR. Colloid and Polymer Science, 1989, 267, 681-686.	2.1	24
375	Broadband dielectric spectroscopy on a discotic liquid crystalline polymer. Colloid and Polymer Science, 1989, 267, 583-586.	2.1	26
376	Structure and molecular dynamics of highly mobile polymer membranes. Angewandte Makromolekulare Chemie, 1989, 166, 39-56.	0.2	7
377	An order-exchange-correlated two-dimensional NMR study of slow molecular motion in highly oriented crystalline poly(oxyethylene). Macromolecules, 1989, 22, 1004-1006.	4.8	17
378	Ultra-slow director rotation in nematic side-group polymers detected by N.M.R.. Liquid Crystals, 1989, 4, 341-345.	2.2	17

#	ARTICLE	IF	CITATIONS
379	Ultra-Slow Molecular Motion in Polymers: 1D and 2D NMR Spectroscopy. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1989, 93, 1189-1193.	0.9	9
380	Two-Dimensional NMR methods for studying solid polymers. Makromolekulare Chemie Macromolecular Symposia, 1989, 26, 197-207.	0.6	6
381	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
382	2D magic angle spinning NMR spectroscopy: Correlation between molecular order and dynamics. Chemical Physics Letters, 1988, 150, 1-5.	2.6	17
383	Deuteron two-dimensional exchange NMR in solids. Journal of Magnetic Resonance, 1988, 79, 269-290.	0.5	73
384	Two-Dimensional exchange NMR of powder samples. I. Two-time distribution functions. Journal of Chemical Physics, 1988, 89, 1219-1233.	3.0	125
385	Highly ordered main chain in a liquid crystalline side-group polymer. Macromolecules, 1988, 21, 1626-1629.	4.8	28
386	Two-Dimensional exchange NMR of powder samples. II. The dynamic evolution of two-time distribution functions. Journal of Chemical Physics, 1988, 89, 1234-1244.	3.0	134
387	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
388	NMR of Stiff Macromolecules with Flexible Side Chains. Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics, 1987, 153, 199-206.	0.3	8
389	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
390	Phenylene motion in polycarbonate and polycarbonate/additive mixtures. Colloid and Polymer Science, 1987, 265, 815-822.	2.1	117
391	Dynamic magic-angle spinning nmr spectroscopy: exchange-induced sidebands. Chemical Physics Letters, 1987, 139, 239-243.	2.6	61
392	Structure and order in partially oriented solids: Characterization by 2D-magic-angle-spinning NMR. Journal of Chemical Physics, 1987, 86, 1206-1218.	3.0	130
393	Dynamics of molecular reorientations: Analogies between quasielastic neutron scattering and deuteron NMR spin alignment. Journal of Chemical Physics, 1986, 84, 4579-4584.	3.0	126
394	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
395	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
396	Dynamics of molecular reorientations: direct determination of rotational angles from two-dimensional NMR of powders. Chemical Physics Letters, 1986, 130, 84-90.	2.6	165

#	ARTICLE	IF	CITATIONS
397	¹⁴ N and ³⁵ Cl double resonance study of the low-temperature phase transition in CH ₃ NH ₃ ClO ₄ . Physics Letters, Section A: General, Atomic and Solid State Physics, 1986, 116, 295-298.	2.1	17
398	NMR imaging with incommensurate sampling and gradient undulation rates. Journal of Magnetic Resonance, 1986, 66, 66-73.	0.5	5
399	Deuteron NMR methods for studying molecular order and motion in solid polymers and liquid crystalline polymers. Pure and Applied Chemistry, 1985, 57, 1617-1626.	1.9	33
400	Deuteron NMR Study of Molecular Mobility in a Polymer Model Membrane. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1985, 89, 1208-1214.	0.9	28
401	Deuteron n.m.r. in relation to the glass transition in polymers. Polymer, 1985, 26, 203-207.	3.8	53
402	Quaternions as a practical tool for the evaluation of composite rotations. Journal of Magnetic Resonance, 1985, 61, 356-362.	0.5	28
403	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
404	Deuteron n.m.r. study of chain motion in solid polyethylene. Polymer, 1984, 25, 1078-1086.	3.8	102
405	Molecular dynamics of solid polymers as revealed by deuteron NMR. Colloid and Polymer Science, 1983, 261, 193-209.	2.1	434
406	Deuteron spin alignment spectra of powders in presence of ultraslow motions. Journal of Magnetic Resonance, 1983, 54, 466-479.	0.5	19
407	Pulsed deuteron NMR investigations of structure and dynamics of solid polymers. Journal of Molecular Structure, 1983, 111, 119-133.	3.6	26
408	Quasi-two-dimensional motion and proton exchange in electrolyte layers of hydrated chalcogenides. Journal of Chemical Physics, 1982, 77, 4627-4631.	3.0	30
409	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
410	Deuteron NMR study of molecular order and motion in a liquid crystalline polymer. Journal of the American Chemical Society, 1982, 104, 917-919.	13.7	44
411	Chain motion in the amorphous regions of polyethylene as revealed by Deuteron magnetic resonance. Macromolecules, 1981, 14, 1605-1607.	4.8	51
412	Pseudo-solid echoes of proton and deuteron NMR in polyethvlene melts. Colloid and Polymer Science, 1981, 259, 220-226.	2.1	69
413	Solid echoes in the slow-motion region. Journal of Magnetic Resonance, 1981, 42, 381-389.	0.5	127
414	Orientational distribution of polymer chains studied by 2H n.m.r. line shapes. Polymer, 1981, 22, 1516-1521.	3.8	69

#	ARTICLE	IF	CITATIONS
415	Ultraslow tetrahedral jumps in solid hexamethylenetetramine studied by deuteron spin alignment. Chemical Physics Letters, 1980, 71, 182-186.	2.6	32
416	Deuterium lineshape study of tetrahedral jumps in solid hexamethylenetetramine. Journal of Magnetic Resonance, 1980, 39, 217-228.	0.5	16
417	Chain motion in amorphous regions of polyethylene: interpretation of deuteron n.m.r. line shapes. Polymer, 1980, 21, 757-763.	3.8	34
418	Deuteron spin alignment: A probe for studying ultraslow motions in solids and solid polymers. Journal of Chemical Physics, 1980, 72, 6755-6762.	3.0	290
419	Deuterium fourier transform NMR in solids and solid polymers. Journal of Magnetic Resonance, 1979, 35, 157-162.	0.5	35
420	Orientalional distributions in partially ordered solids as determined from NMR and ESR line shapes. Journal of Chemical Physics, 1978, 68, 56.	3.0	87
421	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
422	¹⁹ F and ¹ H shielding tensors and crystal structure of 4,4'-difluorobiphenyl. Molecular Physics, 1976, 31, 1569-1583.	1.7	36
423	Proton magnetic shielding and susceptibility effects in single crystals of ferrocene. Chemical Physics, 1976, 12, 123-130.	1.9	21
424	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
425	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
426	Magnetische Abschirmungstensoren für ¹³ C und ¹⁵ N in organischen Festkörpern. Zeitschrift Für Elektrotechnik Und Elektrochemie, 1975, 79, 1009-1013.	0.9	5
427	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.	3.0	29
428	Nuclear Magnetic Resonance in $\text{B}^{\text{III}}\text{V}_2$ Semiconductors. Physica Status Solidi (B): Basic Research, 1974, 62, 183-192.	1.5	159
429	Multiple pulse study of the proton shielding in single crystals of maleic acid. Chemical Physics, 1974, 5, 119-128.	1.9	28
430	¹³ C anisotropic chemical shift in organic solids: Benzoic acid and derivatives, benzophenone, and thiobenzophenone. Chemical Physics, 1974, 4, 269-276.	1.9	49
431	Molecular motion studied by NMR powder spectra. I. Lineshape calculation for axially symmetric shielding tensors. Chemical Physics, 1974, 6, 217-225.	1.9	72
432	Molecular motion studied by NMR powder spectra. II. Experimental results for solid P4 and solid Fe(CO) ₅ . Chemical Physics, 1974, 6, 226-234.	1.9	119

#	ARTICLE	IF	CITATIONS
433	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
434	Nitrogen-15 NMR of pyridine in high magnetic: Fields. Journal of Magnetic Resonance, 1974, 15, 529-539.	0.5	30
435	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
436	Quadrupole Coupling and Anisotropic Chemical Shift in $\text{Re}_2(\text{CO})_{10}$, $\text{Mn}_2(\text{CO})_{10}$, and $\text{ReMn}(\text{CO})_{10}$. Journal of Chemical Physics, 1972, 57, 813-821.	3.0	17
437	^{13}C Anisotropic chemical shift in a single crystal of benzophenone. Chemical Physics Letters, 1972, 17, 39-42.	2.6	49
438	Spin echo experiments on ^{13}C , ^2H , ^1H , and ^{19}F in some small molecules in the liquid phase. Journal of Magnetic Resonance, 1972, 6, 39-54.	0.5	10
439	Spin-rotation interaction and anisotropic chemical shift in $^{13}\text{CS}_2$. Journal of Magnetic Resonance, 1971, 5, 101-108.	0.5	47
440	Quadrupole Coupling and Anisotropic Chemical Shifts in Some Manganese Carbonyls. Journal of Chemical Physics, 1971, 54, 1099-1103.	3.0	36
441	Anisotropic Chemical Shifts in Trigonal Cobalt Carbonyls Containing Metal-Metal Bonds. Journal of Chemical Physics, 1970, 53, 3036-3041.	3.0	39
442	Moessbauer spectra of some linear and triangular polynuclear iron carbonyls. Inorganic Chemistry, 1970, 9, 1694-1699.	4.0	12
443	Orientation of the Electric-Field-Gradient Tensor in Crystalline Dirhenium Decacarbonyl. Journal of Chemical Physics, 1969, 51, 3932-3936.	3.0	4
444	Quadrupole Coupling in Dicobalt Octacarbonyl. Journal of Chemical Physics, 1969, 51, 1970-1974.	3.0	11
445	Anisotropic Chemical Shifts in Cobalt (III) Complexes. Journal of Chemical Physics, 1969, 50, 3057-3064.	3.0	76
446	Oxygen-17 Quadrupole Coupling Parameters for Water in Its Various Phases. Journal of Chemical Physics, 1969, 51, 1201-1205.	3.0	99