

# Arno P M Kentgens

## List of Publications by Year in descending order

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202  
papers

9,815  
citations

31949

53  
h-index

43868

91  
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210  
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210  
docs citations

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times ranked

9072  
citing authors

#	ARTICLE	IF	CITATIONS
1	Residual quadrupolar couplings observed in 7 Tesla deuterium MR spectra of skeletal muscle. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 1165-1173.	1.9	8
2	Effect of H-bonding on network junction and macroscopic elastomer properties in photocured polyacrylate films. <i>Materials Chemistry Frontiers</i> , 2022, 6, 990-1004.	3.2	2
3	Energy, metastability, and optical properties of anion-disordered $\text{Ox}_3\text{H}$ $\text{H}_3\text{O}^+$ $\text{H}_2\text{O}$ $\text{H}^+$		



#	ARTICLE	IF	CITATIONS
37	Gelatin Nanoparticles with Enhanced Affinity for Calcium Phosphate. <i>Macromolecular Bioscience</i> , 2016, 16, 717-729.	2.1	23
38	Solid-state NMR characterization of tri-ethyleneglycol grafted polyisocyanopeptides. <i>Magnetic Resonance in Chemistry</i> , 2016, 54, 328-333.	1.1	3
39	A multi-nuclear magnetic resonance and density functional theory investigation of epitaxially grown $\text{InGaP}_{22}$ . <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 21296-21304.	1.3	3
40	Solid Effect DNP in a Rapid-melt setup. <i>Journal of Magnetic Resonance</i> , 2016, 263, 126-135.	1.2	7
41	Reversible Li-insertion in nanoscaffolds: A promising strategy to alter the hydrogen sorption properties of Li-based complex hydrides. <i>Nano Energy</i> , 2016, 22, 169-178.	8.2	26
42	Towards Overhauser DNP in supercritical $\text{CO}_2$ . <i>Journal of Magnetic Resonance</i> , 2016, 267, 30-36.	1.2	11
43	High radio-frequency field strength nutation NMR of quadrupolar nuclei. <i>Journal of Magnetic Resonance</i> , 2016, 273, 33-39.	1.2	4
44	Unravelling Li-Ion Transport from Picoseconds to Seconds: Bulk versus Interfaces in an Argyrodite $\text{Li}_{6}\text{PS}_5\text{Cl}$ - $\text{Li}_2\text{S}$ All-Solid-State Li-Ion Battery. <i>Journal of the American Chemical Society</i> , 2016, 138, 11192-11201.	6.6	188
45	Structural Studies of Polyamid Fibers: Solid-State NMR and First-Principles Modeling. <i>Macromolecules</i> , 2016, 49, 5548-5560.	2.2	12
46	Network Structure in Acrylate Systems: Effect of Junction Topology on Cross-Link Density and Macroscopic Gel Properties. <i>Macromolecules</i> , 2016, 49, 6531-6540.	2.2	27
47	Dual-functionalisation of gelatine nanoparticles with an anticancer platinum(II)-bisphosphonate complex and mineral-binding alendronate. <i>RSC Advances</i> , 2016, 6, 113025-113037.	1.7	8
48	Imaging human teeth by phosphorus magnetic resonance with nuclear Overhauser enhancement. <i>Scientific Reports</i> , 2016, 6, 30756.	1.6	8
49	Spatially resolved spectroscopy using tapered stripline NMR. <i>Journal of Magnetic Resonance</i> , 2016, 263, 136-146.	1.2	15
50	High resolution triple resonance micro magic angle spinning NMR spectroscopy of nanoliter sample volumes. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 4902-4910.	1.3	10
51	Perspectives on DNP-enhanced NMR spectroscopy in solutions. <i>Journal of Magnetic Resonance</i> , 2016, 264, 59-67.	1.2	34
52	Solid-State NMR Investigations of $\text{MgCl}_2$ Catalyst Support. <i>Journal of Physical Chemistry C</i> , 2016, 120, 6063-6074.	1.5	31
53	Rapid-melt Dynamic Nuclear Polarization. <i>Journal of Magnetic Resonance</i> , 2015, 258, 40-48.	1.2	29
54	Solid-state NMR studies of Ziegler-Natta and metallocene catalysts. <i>Solid State Nuclear Magnetic Resonance</i> , 2015, 68-69, 37-56.	1.5	11

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55	Analysis of mass-limited mixtures using supercritical-fluid chromatography and microcoil NMR. <i>Analyst</i> , 2015, 140, 6217-6221.	1.7	9
56	Nanoconfined LiBH <sub>4</sub> as a Fast Lithium Ion Conductor. <i>Advanced Functional Materials</i> , 2015, 25, 184-192.	7.8	176
57	Liquid state dynamic nuclear polarization of ethanol at 3.4 T (95 GHz). <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 8493.	1.3	16
58	The chemical structure of the amorphous phase of propylene-ethylene random copolymers in relation to their stress-strain properties. <i>Polymer</i> , 2014, 55, 896-905.	1.8	24
59	Solid-State NMR Studies of the Photochromic Effects of Thin Films of Oxygen-Containing Yttrium Hydride. <i>Journal of Physical Chemistry C</i> , 2014, 118, 22935-22942.	1.5	34
60	Stripline <sup>75</sup> As NMR Study of Epitaxial III-V Semiconductor Al <sub>0.5</sub> Ga <sub>0.5</sub> As. <i>Journal of Physical Chemistry C</i> , 2014, 118, 13394-13405.	1.5	4
61	EC-SPE-stripline-NMR analysis of reactive products: a feasibility study. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 6711-6720.	1.9	11
62	EASY-GOING deconvolution: Automated MQMAS NMR spectrum analysis based on a model with analytical crystallite excitation efficiencies. <i>Journal of Magnetic Resonance</i> , 2013, 228, 116-124.	1.2	12
63	Refocused continuous-wave decoupling: A new approach to heteronuclear dipolar decoupling in solid-state NMR spectroscopy. <i>Journal of Chemical Physics</i> , 2012, 137, 214202.	1.2	30
64	Direct Backbone Structure Determination of Polyisocyanodipeptide Using Solid-State Nuclear Magnetic Resonance. <i>Macromolecules</i> , 2012, 45, 2209-2218.	2.2	12
65	Sensitivity enhancement of double quantum NMR spectroscopy by modified CPMG. <i>Journal of Magnetic Resonance</i> , 2012, 223, 11-19.	1.2	1
66	Nanoconfined LiBH <sub>4</sub> and Enhanced Mobility of Li <sup>+</sup> and BH <sub>4</sub> <sup>-</sup> Studied by Solid-State NMR. <i>Journal of Physical Chemistry C</i> , 2012, 116, 22169-22178.	1.5	83
67	Repetitive sideband-selective double frequency sweeps for sensitivity enhancement of MAS NMR of half-integer quadrupolar nuclei. <i>Journal of Magnetic Resonance</i> , 2012, 219, 25-32.	1.2	8
68	Quantitative analysis of high field liquid state dynamic nuclear polarization. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 17831.	1.3	38
69	High-resolution solid-state <sup>13</sup> C <sup>1</sup> / <sub>4</sub> MAS NMR with long coherence life times. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 104-106.	1.3	18
70	<sup>27</sup> Al, <sup>23</sup> Na, and <sup>45</sup> Sc Solid-State NMR Studies of ScCl <sub>3</sub> -Doped NaAlH <sub>4</sub> . <i>Journal of Physical Chemistry C</i> , 2011, 115, 13100-13106.	1.5	15
71	Oxidation Products of NaAlH <sub>4</sub> Studied by Solid-State NMR and X-ray Diffraction. <i>Journal of Physical Chemistry C</i> , 2011, 115, 7002-7011.	1.5	12
72	Sensitivity enhancement in MAS NMR of half-integer quadrupolar nuclei using sideband selective double-frequency sweeps. <i>Canadian Journal of Chemistry</i> , 2011, 89, 1130-1137.	0.6	11

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73	Hydrogen bonding and chemical shift assignments in carbazole functionalized isocyanides from solid-state NMR and first-principles calculations. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 13082.	1.3	28
74	EASY-GOING deconvolution: Combining accurate simulation and evolutionary algorithms for fast deconvolution of solid-state quadrupolar NMR spectra. <i>Journal of Magnetic Resonance</i> , 2011, 211, 114-120.	1.2	15
75	EASY-GOING DUMBO on-spectrometer optimisation of phase modulated homonuclear decoupling sequences in solid-state NMR. <i>Chemical Physics Letters</i> , 2011, 509, 186-191.	1.2	12
76	Framework and extra-framework aluminium in wet ion exchanged Fe-ZSM5 and the effect of steam during the decomposition of N <sub>2</sub> O. <i>Solid State Nuclear Magnetic Resonance</i> , 2011, 39, 99-105.	1.5	7
77	Direct View on Nanoionic Proton Mobility. <i>Advanced Functional Materials</i> , 2011, 21, 1364-1374.	7.8	14
78	Equilibrium Lithium Ion Transport Between Nanocrystalline Lithium Inserted Anatase TiO <sub>2</sub> and the Electrolyte. <i>Chemistry - A European Journal</i> , 2011, 17, 14811-14816.	1.7	30
79	A High-Conversion-Factor, Double-Resonance Structure for High-Field Dynamic Nuclear Polarization. <i>Applied Magnetic Resonance</i> , 2010, 37, 851-864.	0.6	24
80	Proton micro-magic-angle-spinning NMR spectroscopy of nanoliter samples. <i>Chemical Physics Letters</i> , 2010, 485, 275-280.	1.2	17
81	Comprehensive Study of Melt Infiltration for the Synthesis of NaAlH <sub>4</sub> /C Nanocomposites. <i>Chemistry of Materials</i> , 2010, 22, 2233-2238.	3.2	78
82	Solid-State NMR Studies of the Local Structure of NaAlH <sub>4</sub> /C Nanocomposites at Different Stages of Hydrogen Desorption and Rehydrogenation. <i>Journal of Physical Chemistry C</i> , 2010, 114, 4683-4692.	1.5	53
83	Confinement of NaAlH <sub>4</sub> in Nanoporous Carbon: Impact on H <sub>2</sub> Release, Reversibility, and Thermodynamics. <i>Journal of Physical Chemistry C</i> , 2010, 114, 4675-4682.	1.5	156
84	Lithium Storage in Amorphous TiO <sub>2</sub> Nanoparticles. <i>Journal of the Electrochemical Society</i> , 2010, 157, A582.	1.3	153
85	Synthesis, Characterization, and Surface Initiated Polymerization of Carbazole Functionalized Isocyanides. <i>Chemistry of Materials</i> , 2010, 22, 2597-2607.	3.2	27
86	A solid-state NMR and DFT study of compositional modulations in Al <sub>x</sub> Ga <sub>1-x</sub> As. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 11517.	1.3	29
87	Pushing the limit of liquid-state dynamic nuclear polarization at high field. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 5846.	1.3	27
88	Full quadrupolar tensor determination by NMR using a micro-crystal spinning at the magic angle. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 4813.	1.3	14
89	TRAPDOR double-resonance and high-resolution MAS NMR for structural and template studies in zeolite ZSM-5. <i>Solid State Nuclear Magnetic Resonance</i> , 2009, 35, 61-66.	1.5	20
90	Optimization of stripline-based microfluidic chips for high-resolution NMR. <i>Journal of Magnetic Resonance</i> , 2009, 201, 175-185.	1.2	66

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91	Li-Ion Diffusion in the Equilibrium Nanomorphology of Spinel $\text{Li}_{4+x}\text{Ti}_5\text{O}_{12}$ . Journal of Physical Chemistry B, 2009, 113, 224-230.	1.2	189
92	Wide-Line Solid-State NMR Characterizations of Sodium Alanates. Journal of Physical Chemistry C, 2009, 113, 15467-15472.	1.5	25
93	A Microfluidic High-Resolution NMR Flow Probe. Journal of the American Chemical Society, 2009, 131, 5014-5015.	6.6	135
94	Polarization transfer for sensitivity-enhanced MRS using a single radio frequency transmit channel. NMR in Biomedicine, 2008, 21, 444-452.	1.6	19
95	A structural investigation relating to the pozzolanic activity of rice husk ashes. Cement and Concrete Research, 2008, 38, 861-869.	4.6	264
96	Polymorphism and Migratory Chiral Resolution of the Free Base of Venlafaxine. A Remarkable Topotactical Solid State Transition from a Racemate to a Racemic Conglomerate. Crystal Growth and Design, 2008, 8, 71-79.	1.4	26
97	Structure of Tetrakis(melaminium) Bis(dihydrogenphosphate) Monohydrogenphosphate Trihydrate from X-ray Powder Diffraction and Solid-State NMR Spectroscopy. Journal of Physical Chemistry C, 2008, 112, 12515-12523.	1.5	6
98	High-resolution liquid- and solid-state nuclear magnetic resonance of nanoliter sample volumes using microcoil detectors. Journal of Chemical Physics, 2008, 128, 052202.	1.2	127
99	Symmetry-based recoupling in double-rotation NMR spectroscopy. Journal of Chemical Physics, 2008, 129, 174507.	1.2	27
100	The Influence of Size on Phase Morphology and Li-Ion Mobility in Nanosized Lithiated Anatase $\text{TiO}_2$ . Chemistry - A European Journal, 2007, 13, 2023-2028.	1.7	90
101	Environmentally friendly flame retardants. A detailed solid-state NMR study of melamine orthophosphate. Magnetic Resonance in Chemistry, 2007, 45, S231-S246.	1.1	24
102	Stripline probes for nuclear magnetic resonance. Journal of Magnetic Resonance, 2007, 189, 104-113.	1.2	103
103	A practical comparison of MQMAS techniques. Solid State Nuclear Magnetic Resonance, 2007, 32, 99-108.	1.5	18
104	Microcoil High-Resolution Magic Angle Spinning NMR Spectroscopy. Journal of the American Chemical Society, 2006, 128, 8722-8723.	6.6	62
105	Proton-Selective $^{17}\text{O}$ - $^1\text{H}$ Distance Measurements in Fast Magic-Angle-Spinning Solid-State NMR Spectroscopy for the Determination of Hydrogen Bond Lengths. Journal of the American Chemical Society, 2006, 128, 14758-14759.	6.6	250
106	Multinuclear Solid-State High-Resolution and $^{13}\text{C}$ Double-Resonance Magic-Angle Spinning NMR Studies on Aluminum Alkoxides. Journal of Physical Chemistry B, 2006, 110, 6553-6560.	1.2	45
107	Sensitivity Enhancement and Heteronuclear Distance Measurements in Biological $^{17}\text{O}$ Solid-State NMR. Journal of Physical Chemistry B, 2006, 110, 16089-16101.	1.2	67
108	New opportunities for double rotation NMR of half-integer quadrupolar nuclei. Journal of Magnetic Resonance, 2006, 178, 212-219.	1.2	45

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109	Sensitivity-enhanced $^{13}\text{C}$ MR spectroscopy of the human brain at 3 Tesla. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 271-278.	1.9	50
110	Towards Nuclear Magnetic Resonance $\gamma$ -Spectroscopy and $\gamma$ -Imaging. <i>ChemInform</i> , 2005, 36, no.	0.1	0
111	Structural Analysis of a Melaminium Polyphosphate from X-ray Powder Diffraction and Solid-State NMR Data. <i>Journal of Physical Chemistry B</i> , 2005, 109, 13529-13537.	1.2	9
112	NMR investigation of atomic ordering in $\text{Al}_x\text{Ga}_{1-x}$ thin films. <i>Physical Review B</i> , 2004, 69, .	1.1	10
113	Transmit/receive headcoil for optimal $^1\text{H}$ MR spectroscopy of the brain in paediatric patients at 3 T. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2004, 17, 1-4.	1.1	10
114	Homonuclear correlation experiments for quadrupolar nuclei, spinning away from the magic angle. <i>Solid State Nuclear Magnetic Resonance</i> , 2004, 26, 180-186.	1.5	22
115	Implementing solenoid microcoils for wide-line solid-state NMR. <i>Journal of Magnetic Resonance</i> , 2004, 167, 87-96.	1.2	78
116	Towards nuclear magnetic resonance $\hat{1}/4$ -spectroscopy and $\hat{1}/4$ -imaging. <i>Analyst, The</i> , 2004, 129, 793-803.	1.7	41
117	Structure of Melaminium Dihydrogenpyrophosphate and Its Formation from Melaminium Dihydrogenphosphate Studied with Powder Diffraction Data, Solid-State NMR, and Theoretical Calculations. <i>Journal of Physical Chemistry B</i> , 2004, 108, 15069-15076.	1.2	20
118	Optimization of localized $^{19}\text{F}$ magnetic resonance spectroscopy for the detection of fluorinated drugs in the human liver. <i>Magnetic Resonance in Medicine</i> , 2003, 50, 303-308.	1.9	38
119	Strategies for solid-state NMR in high-field Bitter and hybrid magnets. <i>Chemical Physics Letters</i> , 2003, 376, 338-345.	1.2	34
120	Homonuclear Correlation Experiments of Half-Integer Quadrupolar Nuclei Using Multiple-Quantum Techniques Spinning at a $\pi/4$ Magic Angle. <i>Journal of the American Chemical Society</i> , 2003, 125, 2398-2399.	6.6	26
121	FEASIBILITY STUDIES FOR THE IMPLEMENTATION OF NUCLEAR MAGNETIC RESONANCE IN A 25T HYBRID MAGNET. <i>International Journal of Modern Physics B</i> , 2002, 16, 3405-3405.	1.0	0
122	Spatially Resolved Spectroscopy and Structurally Encoded Imaging by Magnetic Resonance Force Microscopy of Quadrupolar Spin Systems. <i>Journal of the American Chemical Society</i> , 2002, 124, 1588-1589.	6.6	23
123	Equilibrium lithium transport between nanocrystalline phases in intercalated $\text{TiO}_2$ anatase. <i>Nature</i> , 2002, 418, 397-399.	13.7	452
124	Influencing the satellite transitions of half-integer quadrupolar nuclei for the enhancement of magic angle spinning spectra. <i>Journal of Magnetic Resonance</i> , 2002, 158, 65-72.	1.2	54
125	FEASIBILITY STUDIES FOR THE IMPLEMENTATION OF NUCLEAR MAGNETIC RESONANCE IN A 25T HYBRID MAGNET. , 2002, , .		0
126	Two Phase Morphology Limits Lithium Diffusion in $\text{TiO}_2(\text{Anatase})$ : $^7\text{Li}$ MAS NMR Study. <i>Journal of the American Chemical Society</i> , 2001, 123, 11454-11461.	6.6	285

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127	Direct Observation of Brønsted Acidic Sites in Dehydrated Zeolite H-ZSM5 Using DFS-Enhanced $^{27}\text{Al}$ MQMAS NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2001, 123, 2925-2926.	6.6	77
128	Synthesis and characterization of polyisocyanides derived from alanine and glycine dipeptides. <i>Journal of Polymer Science Part A</i> , 2001, 39, 4255-4264.	2.5	54
129	Lithium Dynamics in $\text{LiMn}_2\text{O}_4$ Probed Directly by Two-Dimensional $^7\text{Li}$ NMR. <i>Physical Review Letters</i> , 2001, 86, 4314-4317.	2.9	141
130	Triple-quantum excitation enhancement in MQMAS experiments on spin $I=5/2$ systems. <i>Chemical Physics Letters</i> , 2001, 343, 556-562.	1.2	14
131	Population and coherence transfer in half-integer quadrupolar spin systems induced by simultaneous rapid passages of the satellite transitions: A static and spinning single crystal nuclear magnetic resonance study. <i>Journal of Chemical Physics</i> , 2001, 114, 3073-3091.	1.2	44
132	Population and Coherence Transfer Induced by Double Frequency Sweeps in Half-Integer Quadrupolar Spin Systems. <i>Journal of Magnetic Resonance</i> , 2000, 147, 192-209.	1.2	164
133	Stepwise Dealumination of Zeolite $\eta$ at Specific T-Sites Observed with $^{27}\text{Al}$ MAS and $^{27}\text{Al}$ MQ MAS NMR. <i>Journal of the American Chemical Society</i> , 2000, 122, 12842-12847.	6.6	314
134	$^{29}\text{Si}$ -Nuclear Magnetic Resonance on the Etching Products of Silicon in Potassium Hydroxide Solutions. <i>Journal of the Electrochemical Society</i> , 2000, 147, 2195.	1.3	9
135	Rotational-resonance NMR experiments in half-integer quadrupolar spin systems. <i>Molecular Physics</i> , 2000, 98, 161-178.	0.8	48
136	Single-Pulse MAS, Selective Hahn Echo MAS, and 3QMAS NMR Studies of the Mineral Zoisite at 400, 500, 600, and 800 MHz. Exploring the Limits of $\text{Al}$ NMR Detectability. <i>Journal of Physical Chemistry B</i> , 2000, 104, 11612-11616.	1.2	21
137	Changes in Structural and Electronic Properties of the Zeolite Framework Induced by Extraframework $\text{Al}$ and $\text{La}$ in H-USY and $\text{La}_x\text{Na}_y\text{A}$ $^{29}\text{Si}$ and $^{27}\text{Al}$ MAS NMR and $^{27}\text{Al}$ MQ MAS NMR Study. <i>Journal of Physical Chemistry B</i> , 2000, 104, 6743-6754.	1.2	182
138	A Solid-State Fluorine-NMR Study on Hexafluorobenzene Sorbed by Sediments, Polymers, and Active Carbon. <i>Environmental Science &amp; Technology</i> , 2000, 34, 645-649.	4.6	21
139	Rotational-resonance NMR experiments in half-integer quadrupolar spin systems. <i>Molecular Physics</i> , 2000, 98, 161-178.	0.8	8
140	Strategies for extracting NMR parameters from MAS, DOR and MQMAS spectra. A case study for $\text{Na}_4\text{P}_2\text{O}_7$ . <i>Solid State Nuclear Magnetic Resonance</i> , 1999, 15, 171-180.	1.5	58
141	Advantages of double frequency sweeps in static, MAS and MQMAS NMR of spin $I=3/2$ nuclei. <i>Chemical Physics Letters</i> , 1999, 300, 435-443.	1.2	281
142	2D Exchange NMR Spectra under Slow MAS: A Simplified Scheme to Obtain Pure-Phase Spectra without Unwanted Cross Peaks. <i>Journal of Magnetic Resonance</i> , 1999, 138, 66-73.	1.2	15
143	Mechanical detection of NMR. Advantages of a digital approach. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 4025-4031.	1.3	7
144	A Nuclear Magnetic Resonance Study of Amorphous and Crystalline Lanthanum-Aluminates. <i>Journal of Physical Chemistry B</i> , 1999, 103, 7591-7598.	1.2	38

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145	Motion of CO Molecules in Solid C <sub>60</sub> Probed by Solid-State NMR. <i>Journal of the American Chemical Society</i> , 1999, 121, 199-207.	6.6	16
146	Off-resonance nutation nuclear magnetic resonance spectroscopy of half-integer quadrupolar nuclei. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 1998, 32, 141-164.	3.9	33
147	A <sup>6</sup> Li, <sup>7</sup> Li and <sup>59</sup> Co MAS NMR study of rock salt type Li <sub>x</sub> CoO <sub>2</sub> (0.48 ≤ x ≤ 1.05). <i>Solid State Ionics</i> , 1998, 112, 41-52.	1.3	38
148	Sodium Environments in Dry and Hydrated Albite Glasses: Improved <sup>23</sup> Na Solid State NMR Data and Their Implications for Water Dissolution Mechanisms. <i>Geochimica Et Cosmochimica Acta</i> , 1998, 62, 79-87.	1.6	100
149	Multiple Quantum <sup>27</sup> Al Magic-Angle-Spinning Nuclear Magnetic Resonance Spectroscopic Study of SrAl <sub>12</sub> O <sub>19</sub> : Identification of a <sup>27</sup> Al Resonance from a Well-Defined AlO <sub>5</sub> Site. <i>Journal of Physical Chemistry B</i> , 1998, 102, 5969-5976.	1.2	53
150	Comments on the <sup>27</sup> Al NMR Visibility of Aluminas. <i>Journal of Physical Chemistry B</i> , 1998, 102, 3862-3865.	1.2	36
151	Frequency stepped adiabatic passage excitation of half-integer quadrupolar spin systems. <i>Molecular Physics</i> , 1998, 93, 195-213.	0.8	36
152	Rovibrational Motion of CO in Solid C <sub>60</sub> . <i>Physical Review Letters</i> , 1997, 79, 1138-1141.	2.9	51
153	A practical guide to solid-state NMR of half-integer quadrupolar nuclei with some applications to disordered systems. <i>Geoderma</i> , 1997, 80, 271-306.	2.3	210
154	A <sup>27</sup> Al MAS, MQMAS and off-resonance nutation NMR study of aluminium containing silica-based sol-gel materials. <i>Solid State Nuclear Magnetic Resonance</i> , 1997, 9, 203-217.	1.5	42
155	Thermal Stability of Silicon-Based Hybrid Materials Containing Aluminum Studied by <sup>27</sup> Al and <sup>29</sup> Si Solid State MAS NMR. <i>Materials Research Society Symposia Proceedings</i> , 1996, 435, 415.	0.1	2
156	A <sup>27</sup> Al MQMAS and Off-Resonance Nutation NMR Investigation of Mo <sup>VI</sup> -Al <sub>2</sub> O <sub>3</sub> Hydrotreating Catalyst Precursors. <i>The Journal of Physical Chemistry</i> , 1996, 100, 16336-16345.	2.9	66
157	Solid-state MAS NMR study of pentameric aluminosilicate groups with 180 degrees intertetrahedral Al-O-Si angles in zunyite and harkerite. <i>American Mineralogist</i> , 1995, 80, 39-45.	0.9	20
158	Supramolecular Structure, Physical Properties, and Langmuir-Blodgett Film Formation of an Optically Active Liquid-Crystalline Phthalocyanine. <i>Chemistry - A European Journal</i> , 1995, 1, 171-182.	1.7	103
159	High fraction of penta-coordinated aluminium in amorphous and crystalline aluminium borates. <i>Solid State Nuclear Magnetic Resonance</i> , 1995, 5, 163-173.	1.5	27
160	Double rotation and magic-angle spinning nuclear magnetic resonance study of <sup>27</sup> Al: reexamination of the aluminium borate 9Al <sub>2</sub> O <sub>3</sub> · 2B <sub>2</sub> O <sub>3</sub> . <i>Solid State Nuclear Magnetic Resonance</i> , 1995, 5, 175-180.	1.5	47
161	Off-resonance nutation nuclear magnetic resonance study of framework aluminosilicate glasses with Li, Na, K, Rb or Cs as charge-balancing cation. <i>Solid State Nuclear Magnetic Resonance</i> , 1995, 5, 189-200.	1.5	26
162	Investigation of V <sub>2</sub> O <sub>5</sub> /Nb <sub>2</sub> O <sub>5</sub> Catalysts by <sup>51</sup> V Solid-State NMR. <i>The Journal of Physical Chemistry</i> , 1995, 99, 9169-9175.	2.9	34

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163	Structure Investigation on Anhydrous Disodium Hydrogen Phosphate Using Solid-State NMR and X-ray Techniques. <i>Journal of the American Chemical Society</i> , 1995, 117, 5141-5147.	6.6	42
164	A Solid State Double Resonance NMR Investigation of Phosphorus-Impregnated $\gamma$ -Al <sub>2</sub> O <sub>3</sub> . <i>The Journal of Physical Chemistry</i> , 1995, 99, 16080-16086.	2.9	58
165	A <sup>29</sup> Si solid-state magic angle spinning nuclear magnetic resonance study of TEOS-based hybrid materials. <i>Journal of Non-Crystalline Solids</i> , 1995, 189, 77-89.	1.5	74
166	Magnetic resonance studies on porous alumina doped with iron and chromium. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1995, 91, 1519.	1.7	16
167	<sup>27</sup> Al nuclear magnetic resonance study of synthetic and natural corundum ( $\alpha$ -Al <sub>2</sub> O <sub>3</sub> ) Some experimental aspects of quantitative <sup>27</sup> Al nuclear magnetic resonance spectroscopy. <i>Solid State Nuclear Magnetic Resonance</i> , 1994, 3, 315-322.	1.5	21
168	<sup>23</sup> Na NMR Spectroscopy of Solids: Interpretation of Quadrupole Interaction Parameters and Chemical Shifts. <i>The Journal of Physical Chemistry</i> , 1994, 98, 1544-1551.	2.9	277
169	Interactions of Fullerenes and Calixarenes in the Solid State Studied with <sup>13</sup> C CP-MAS NMR. <i>Journal of the American Chemical Society</i> , 1994, 116, 6965-6966.	6.6	92
170	EPR and NMR studies of amorphous aluminium borates. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1994, 90, 2663.	1.7	13
171	Off-Resonance Nutation NMR Spectroscopy of Half-Integer Quadrupolar Nuclei. <i>Journal of Magnetic Resonance Series A</i> , 1993, 104, 302-309.	1.6	31
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