

Malcolm H Levitt

List of Publications by Year in descending order

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274
papers

18,110
citations

9786

73
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17105

122
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292
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292
docs citations

292
times ranked

5585
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning of pH enables carbon-13 hyperpolarization of oxalates by SABRE. <i>Chemical Communications</i> , 2022, 58, 2291-2294.	4.1	4
2	Direct Production of a Hyperpolarized Metabolite on a Microfluidic Chip. <i>Analytical Chemistry</i> , 2022, , .	6.5	7
3	Weak nuclear spin singlet relaxation mechanisms revealed by experiment and computation. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 7531-7538.	2.8	7
4	Terahertz spectroscopy of the helium endofullerene He@C ₆₀ . <i>Physical Chemistry Chemical Physics</i> , 2022, , .	2.8	5
5	Singulettâ€Kontrastâ€Magnetresonanztomographie: Freisetzung der Hyperpolarisation durch den Metabolismus**. <i>Angewandte Chemie</i> , 2021, 133, 6866-6873.	2.0	3
6	Singletâ€Contrast Magnetic Resonance Imaging: Unlocking Hyperpolarization with Metabolism**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6791-6798.	13.8	28
7	³¹ P nuclear spin singlet lifetimes in a system with switchable magnetic inequivalence: experiment and simulation. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 19465-19471.	2.8	7
8	Nuclear hyperpolarization of (1- ¹³ C)-pyruvate in aqueous solution by proton-relayed side-arm hydrogenation. <i>Analyst</i> , 2021, 146, 1772-1778.	3.5	23
9	A Solidâ€State Intramolecular Wittig Reaction Enables Efficient Synthesis of Endofullerenes Including Ne@C ₆₀ , 3 He@C ₆₀ , and HD@C ₆₀ . <i>Angewandte Chemie</i> , 2021, 133, 9042-9048.	2.0	3
10	A Solidâ€State Intramolecular Wittig Reaction Enables Efficient Synthesis of Endofullerenes Including Ne@C ₆₀ , ³ He@C ₆₀ , and HD@C ₆₀ . <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8960-8966.	13.8	21
11	Rapid hyperpolarization and purification of the metabolite fumarate in aqueous solution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	54
12	Infrared spectroscopy of an endohedral water in fullerene. <i>Journal of Chemical Physics</i> , 2021, 154, 124311.	3.0	24
13	Hyperpolarization and the physical boundary of Liouville space. <i>Magnetic Resonance</i> , 2021, 2, 395-407.	1.9	5
14	THz and IR spectroscopy of endofullerene H ₂ O@C ₆₀ . <i>Journal of Physics: Conference Series</i> , 2021, 1984, 012012.	0.4	1
15	Chemical shielding of H ₂ O and HF encapsulated inside a C ₆₀ cage. <i>Communications Chemistry</i> , 2021, 4, .	4.5	7
16	Nuclear singlet relaxation by chemical exchange. <i>Journal of Chemical Physics</i> , 2021, 155, 124311.	3.0	8
17	THz and IR spectroscopy of H ₂ O@C ₆₀ endofullerene. , 2021, , .		0
18	Low-frequency excitation of singletâ€triplet transitions. Application to nuclear hyperpolarization. <i>Journal of Chemical Physics</i> , 2021, 155, 154201.	3.0	15

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19	Experimental determination of the interaction potential between a helium atom and the interior surface of a C ₆₀ fullerene molecule. <i>Journal of Chemical Physics</i> , 2021, 155, 144302.	3.0	15
20	A master equation for spin systems far from equilibrium. <i>Journal of Magnetic Resonance</i> , 2020, 310, 106645.	2.1	30
21	Robust transformation of singlet order into heteronuclear magnetisation over an extended coupling range. <i>Journal of Magnetic Resonance</i> , 2020, 321, 106850.	2.1	7
22	Synthesis of Ar@C ₆₀ using molecular surgery. <i>Chemical Communications</i> , 2020, 56, 10521-10524.	4.1	26
23	Rotational coherence of encapsulated ortho and para water in fullerene-C ₆₀ revealed by time-domain terahertz spectroscopy. <i>Scientific Reports</i> , 2020, 10, 18329.	3.3	20
24	An Internuclear ^3He -Coupling of ^3He Induced by Molecular Confinement. <i>Journal of the American Chemical Society</i> , 2020, 142, 16926-16929.	13.7	14
25	Bond Dissociation and Reactivity of HF and H ₂ O in a Nano Test Tube. <i>ACS Nano</i> , 2020, 14, 11178-11189.	14.6	17
26	Fine structure in the solution state ^{13}C -NMR spectrum of C ₆₀ and its endofullerene derivatives. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 11850-11860.	2.8	17
27	Generalised magnetisation-to-singlet-order transfer in nuclear magnetic resonance. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 9703-9712.	2.8	23
28	Chapter 1. Long-lived States in Nuclear Magnetic Resonance: An Overview. <i>New Developments in NMR</i> , 2020, , 1-32.	0.1	3
29	Algorithmic cooling of nuclear spins using long-lived singlet order. <i>Journal of Chemical Physics</i> , 2020, 152, 164201.	3.0	13
30	<i>Geminal</i> parahydrogen-induced polarization: accumulating long-lived singlet order on methylene proton pairs. <i>Magnetic Resonance</i> , 2020, 1, 175-186.	1.9	13
31	Long live the singlet state!. <i>Journal of Magnetic Resonance</i> , 2019, 306, 69-74.	2.1	51
32	High-Resolution Nuclear Magnetic Resonance Spectroscopy with Picomole Sensitivity by Hyperpolarization on a Chip. <i>Journal of the American Chemical Society</i> , 2019, 141, 9955-9963.	13.7	39
33	Polarization transfer via field sweeping in parahydrogen-enhanced nuclear magnetic resonance. <i>Journal of Chemical Physics</i> , 2019, 150, 174202.	3.0	46
34	Scalable dissolution-dynamic nuclear polarization with rapid transfer of a polarized solid. <i>Nature Communications</i> , 2019, 10, 1733.	12.8	46
35	First Synthesis and Characterization of CH ₄ @C ₆₀ . <i>Angewandte Chemie</i> , 2019, 131, 5092-5097.	2.0	11
36	First Synthesis and Characterization of CH ₄ @C ₆₀ . <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5038-5043.	13.8	81

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37	Excitation of singlet-triplet coherences in pairs of nearly-equivalent spins. Physical Chemistry Chemical Physics, 2019, 21, 6087-6100.	2.8	15
38	Nuclear singlet relaxation by scalar relaxation of the second kind in the slow-fluctuation regime. Journal of Chemical Physics, 2019, 150, 064315.	3.0	16
39	Fast destruction of singlet order in NMR experiments. Journal of Chemical Physics, 2019, 151, 234203.	3.0	9
40	Field-cycling long-lived-state NMR of ^{15}N spin pairs. Molecular Physics, 2019, 117, 861-867.	1.7	11
41	NMR Lineshapes and Scalar Relaxation of the Water-Endofullerene $\text{H}_2^{17}\text{O}@C_{60}$. ChemPhysChem, 2018, 19, 251-255.	2.1	19
42	Hyperpolarized long-lived nuclear spin states in monodeuterated methyl groups. Physical Chemistry Chemical Physics, 2018, 20, 9755-9759.	2.8	23
43	Dynamic ^1H imaging of hyperpolarized ^{13}C lactate in vivo using a reverse INEPT experiment. Magnetic Resonance in Medicine, 2018, 79, 741-747.	3.0	37
44	Preservation of Nuclear Spin Order by Precipitation. ChemPhysChem, 2018, 19, 40-44.	2.1	14
45	Testing signal enhancement mechanisms in the dissolution NMR of acetone. Journal of Magnetic Resonance, 2018, 286, 158-162.	2.1	4
46	Synthesis and Properties of Open Fullerenes Encapsulating Ammonia and Methane. ChemPhysChem, 2018, 19, 266-276.	2.1	28
47	SpinDynamica: Symbolic and numerical magnetic resonance in a Mathematica environment. Magnetic Resonance in Chemistry, 2018, 56, 374-414.	1.9	91
48	Hyperpolarized fumarate <i>via</i> parahydrogen. Chemical Communications, 2018, 54, 12246-12249. Spin-Isomer Conversion of Water at Room Temperature and Quantum-Rotor-Induced Nuclear Polarization in the Water-Endofullerene	4.1	47
49	Polarization in the Water-Endofullerene $\text{H}_2^{17}\text{O}@C_{60}$. Physical Chemistry Chemical Physics, 2018, 20, 10755-10759.	7.8	43
50	Alignment of ^{17}O -enriched water- $\text{H}_2^{17}\text{O}@C_{60}$ in a liquid crystal matrix. Faraday Discussions, 2018, 212, 517-532.	3.2	6
51	Synthesis of carbon-13 labeled oxalates exhibiting extended nuclear singlet state lifetimes. Journal of Labelled Compounds and Radiopharmaceuticals, 2017, 60, 135-139.	1.0	5
52	NMR of molecular endofullerenes dissolved in a nematic liquid crystal. Physical Chemistry Chemical Physics, 2017, 19, 11793-11801.	2.8	3
53	Singlet order conversion and parahydrogen-induced hyperpolarization of ^{13}C nuclei in near-equivalent spin systems. Journal of Magnetic Resonance, 2017, 274, 163-172.	2.1	45
54	Versatile magnetic resonance singlet tags compatible with biological conditions. RSC Advances, 2017, 7, 34574-34578.	3.6	17

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55	Dynamic Nuclear Polarization of Long-Lived Nuclear Spin States in Methyl Groups. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 3549-3555.	4.6	34
56	Origins of Small Proton Chemical Shift Differences in Monodeuterated Methyl Groups. <i>Journal of Organic Chemistry</i> , 2017, 82, 8943-8949.	3.2	4
57	Bidirectional band-selective magnetization transfer along the protein backbone doubles the information content of solid-state NMR correlation experiments. <i>Journal of Biomolecular NMR</i> , 2017, 69, 197-205.	2.8	2
58	The dipolar endofullerene HF@C60. <i>Nature Chemistry</i> , 2016, 8, 953-957.	13.6	167
59	Long-lived nuclear spin states in rapidly rotating CH ₂ D groups. <i>Journal of Magnetic Resonance</i> , 2016, 272, 87-90.	2.1	19
60	Solid State Nitrogen 14 NMR Methods for the Analysis of Hydrogen Bond Networks in Biological Systems. <i>Biophysical Journal</i> , 2016, 110, 154a-155a.	0.5	0
61	Long-lived nuclear spin states in monodeuterated methyl groups. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 17965-17972.	2.8	24
62	Symmetry-breaking in the H ₂ @C ₆₀ endofullerene revealed by inelastic neutron scattering at low temperature. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 1998-2005.	2.8	25
63	Symmetry constraints on spin dynamics: Application to hyperpolarized NMR. <i>Journal of Magnetic Resonance</i> , 2016, 262, 91-99.	2.1	51
64	A Nuclear Singlet Lifetime of More than One Hour in Room-Temperature Solution. <i>Angewandte Chemie</i> , 2015, 127, 3811-3814.	2.0	20
65	Nuclear spin relaxation. <i>Resonance</i> , 2015, 20, 986-994.	0.3	1
66	Synthesis and characterisation of an open-cage fullerene encapsulating hydrogen fluoride. <i>Chemical Communications</i> , 2015, 51, 4993-4996.	4.1	32
67	Electrical detection of ortho-para conversion in fullerene-encapsulated water. <i>Nature Communications</i> , 2015, 6, 8112.	12.8	57
68	A Nuclear Singlet Lifetime of More than One Hour in Room-Temperature Solution. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3740-3743.	13.8	116
69	Theory of long-lived nuclear spin states in methyl groups and quantum-rotor induced polarisation. <i>Journal of Chemical Physics</i> , 2015, 142, 044506.	3.0	51
70	Long-lived nuclear spin states far from magnetic equivalence. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 5913-5922.	2.8	50
71	Synthesis of an Isotopically Labeled Naphthalene Derivative That Supports a Long-Lived Nuclear Singlet State. <i>Organic Letters</i> , 2015, 17, 2150-2153.	4.6	21
72	NMR of ¹³³ Cs ⁺ in stretched hydrogels: One-dimensional, z - and NOESY spectra, and probing the ion's environment in erythrocytes. <i>Journal of Magnetic Resonance</i> , 2015, 261, 110-120.	2.1	12

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73	Visualisation of quantum evolution in the Stern-Gerlach and Rabi experiments. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 3867-3872.	2.8	16
74	Enhancement of quantum rotor NMR signals by frequency-selective pulses. <i>Journal of Magnetic Resonance</i> , 2015, 250, 25-28.	2.1	18
75	Freezing of Molecular Motions Probed by Cryogenic Magic Angle Spinning NMR. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 512-516.	4.6	15
76	Symmetry-breaking in the endofullerene $H_2O@C_{60}$ revealed in the quantum dynamics of ortho and para-water: a neutron scattering investigation. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 21330-21339.	2.8	59
77	An optimised scalable synthesis of $H_2O@C_{60}$ and a new synthesis of $H_2@C_{60}$. <i>Chemical Communications</i> , 2014, 50, 13037-13040.	4.1	83
78	Nuclear spin conversion of water inside fullerene cages detected by low-temperature nuclear magnetic resonance. <i>Journal of Chemical Physics</i> , 2014, 140, 194306.	3.0	58
79	Lineshape-based polarimetry of dynamically-polarized N_2 in solid-state mixtures. <i>Journal of Magnetic Resonance</i> , 2013, 234, 80-94.	2.1	19
80	Long-Lived Nuclear Spin States in Methyl Groups and Quantum-Rotor-Induced Polarization. <i>Journal of the American Chemical Society</i> , 2013, 135, 18746-18749.	13.7	93
81	Quantum rotation and translation of hydrogen molecules encapsulated inside C_{60} : temperature dependence of inelastic neutron scattering spectra. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20110627.	3.4	32
82	Infrared spectroscopy of small-molecule endofullerenes. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20110631.	3.4	29
83	Spectroscopy of light-molecule endofullerenes. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20120429.	3.4	53
84	Magic-Angle Spinning NMR of Cold Samples. <i>Accounts of Chemical Research</i> , 2013, 46, 1914-1922.	15.6	40
85	Nanolaboratories: physics and chemistry of small-molecule endofullerenes. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20130124.	3.4	16
86	Recycling and Imaging of Nuclear Singlet Hyperpolarization. <i>Journal of the American Chemical Society</i> , 2013, 135, 5084-5088.	13.7	94
87	Accessing Long-Lived Nuclear Spin Order by Isotope-Induced Symmetry Breaking. <i>Journal of the American Chemical Society</i> , 2013, 135, 2120-2123.	13.7	40
88	Probing the C_{60} triplet state coupling to nuclear spins inside and out. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20120475.	3.4	13
89	Hyperpolarized singlet lifetimes of pyruvate in human blood and in the mouse. <i>NMR in Biomedicine</i> , 2013, 26, 1696-1704.	2.8	54
90	Nuclear Magnetic Resonance of Hydrogen Molecules Trapped inside C_{70} Fullerene Cages. <i>ChemPhysChem</i> , 2013, 14, 3121-3130.	2.1	11

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91	Anisotropic nuclear spin interactions in H ₂ O@C ₆₀ determined by solid-state NMR. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120102.	3.4	12
92	Inelastic neutron scattering investigations of the quantum molecular dynamics of a H ₂ molecule entrapped inside a fullerene cage. Physical Review B, 2012, 85, .	3.2	45
93	A large geometric distortion in the first photointermediate of rhodopsin, determined by double-quantum solid-state NMR. Journal of Biomolecular NMR, 2012, 53, 247-256.	2.8	9
94	Quantum rotation of <i>ortho</i> and <i>para</i> -water encapsulated in a fullerene cage. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12894-12898.	7.1	135
95	Sensitivity enhancement and low-field spin relaxation in singlet NMR. Physical Chemistry Chemical Physics, 2012, 14, 16032.	2.8	7
96	The City and EMU. International Affairs, 2012, 88, 1261-1275.	0.9	3
97	Long-Lived Nuclear Singlet Order in Near-Equivalent ¹³ C Spin Pairs. Journal of the American Chemical Society, 2012, 134, 17494-17497.	13.7	61
98	Direct Enhancement of Nuclear Singlet Order by Dynamic Nuclear Polarization. Journal of the American Chemical Society, 2012, 134, 7668-7671.	13.7	94
99	Hyperpolarized singlet NMR on a small animal imaging system. Magnetic Resonance in Medicine, 2012, 68, 1262-1265.	3.0	37
100	Singlet Nuclear Magnetic Resonance. Annual Review of Physical Chemistry, 2012, 63, 89-105.	10.8	195
101	Paramagnetic relaxation of nuclear singlet states. Physical Chemistry Chemical Physics, 2011, 13, 9128.	2.8	49
102	Selective internuclear coupling estimation in the solid-state NMR of multiple-spin systems. Physical Chemistry Chemical Physics, 2011, 13, 93-96.	2.8	23
103	Interaction potential and infrared absorption of endohedral H ₂ in C ₆₀ . Journal of Chemical Physics, 2011, 134, 054507.	3.0	63
104	Infrared spectroscopy of endohedral HD and D ₂ in C ₆₀ . Journal of Chemical Physics, 2011, 135, 114511.	3.0	43
105	Singlet nuclear magnetic resonance of nearly-equivalent spins. Physical Chemistry Chemical Physics, 2011, 13, 5556.	2.8	135
106	Syntheses of ¹³ C ₂ -labelled 11Z-retinals. Tetrahedron, 2011, 67, 8404-8410.	1.9	9
107	A scaling factor theorem for homonuclear dipolar decoupling in solid-state NMR spectroscopy. Journal of Magnetic Resonance, 2011, 212, 11-16.	2.1	8
108	Short Perspective on ¹³ C-NMR Population Inversion Using a Composite Pulse by M.H. Levitt and R. Freeman [J. Magn. Reson. 33 (1979) 473-476]. Journal of Magnetic Resonance, 2011, 213, 274-275.	2.1	11

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109	An NMR thermometer for cryogenic magic-angle spinning NMR: The spin-lattice relaxation of 127I in cesium iodide. <i>Journal of Magnetic Resonance</i> , 2011, 212, 460-463.	2.1	18
110	Theory and spectroscopy of an incarcerated quantum rotor: The infrared spectroscopy, inelastic neutron scattering and nuclear magnetic resonance of H ₂ @C ₆₀ at cryogenic temperature. <i>Coordination Chemistry Reviews</i> , 2011, 255, 938-948.	18.8	58
111	Measurements of the persistent singlet state of N ₂ O in blood and other solventsâ€”Potential as a magnetic tracer. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 1177-1180.	3.0	34
112	¹ H homonuclear dipolar decoupling using rotor-synchronised pulse sequences: Towards pure absorption phase spectra. <i>Journal of Magnetic Resonance</i> , 2010, 205, 269-275.	2.1	10
113	Inelastic neutron scattering of a quantum translator-rotator encapsulated in a closed fullerene cage: Isotope effects and translation-rotation coupling in $H_2 @ ^{57}Mo$. <i>Physical Review B</i> , 2010, 82, .	3.2	57
114	Storage of nuclear magnetization as long-lived singlet order in low magnetic field. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 17135-17139.	7.1	159
115	Orientational Sampling Schemes Based on Four Dimensional Polytopes. <i>Symmetry</i> , 2010, 2, 1423-1449.	2.2	16
116	Determination of Molecular Torsion Angles Using Nuclear Singlet Relaxation. <i>Journal of the American Chemical Society</i> , 2010, 132, 8225-8227.	13.7	40
117	Rotor in a cage: Infrared spectroscopy of an endohedral hydrogen-fullerene complex. <i>Journal of Chemical Physics</i> , 2009, 130, 081103.	3.0	90
118	Supercycled homonuclear dipolar decoupling sequences in solid-state NMR. <i>Journal of Magnetic Resonance</i> , 2009, 197, 14-19.	2.1	45
119	Theory of long-lived nuclear spin states in solution nuclear magnetic resonance. II. Singlet spin locking. <i>Journal of Chemical Physics</i> , 2009, 130, 214501.	3.0	97
120	Extremely Low-Frequency Spectroscopy in Low-Field Nuclear Magnetic Resonance. <i>Physical Review Letters</i> , 2009, 103, 083002.	7.8	53
121	Light Penetration and Photoisomerization in Rhodopsin studied by Numerical Simulations and Double-Quantum Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2009, 131, 6133-6140.	13.7	16
122	Quantum Translator-Rotator: Inelastic Neutron Scattering of Dihydrogen Molecules Trapped inside Anisotropic Fullerene Cages. <i>Physical Review Letters</i> , 2009, 102, 013001.	7.8	61
123	Towards an interpretation of ¹³ C chemical shifts in bathorhodopsin, a functional intermediate of a G-protein coupled receptor. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 1350-1357.	2.6	16
124	A Hall effect angle detector for solid-state NMR. <i>Journal of Magnetic Resonance</i> , 2008, 190, 135-141.	2.1	34
125	Isotropic filtering using polyhedral phase cycles: Application to singlet state NMR. <i>Journal of Magnetic Resonance</i> , 2008, 191, 148-155.	2.1	27
126	Estimation of internuclear couplings in the solid-state NMR of multiple-spin systems. Selective spin echoes and off-magic-angle sample spinning. <i>Chemical Physics Letters</i> , 2008, 456, 116-121.	2.6	33

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127	Symmetry in the design of NMR multiple-pulse sequences. <i>Journal of Chemical Physics</i> , 2008, 128, 052205.	3.0	119
128	The Long-Lived Nuclear Singlet State of ¹⁵ N-Nitrous Oxide in Solution. <i>Journal of the American Chemical Society</i> , 2008, 130, 12582-12583.	13.7	124
129	Double-Quantum ¹³ C Nuclear Magnetic Resonance of Bathorhodopsin, the First Photointermediate in Mammalian Vision. <i>Journal of the American Chemical Society</i> , 2008, 130, 10490-10491.	13.7	44
130	Thermal history effects and methyl tunneling dynamics in a supramolecular complex of calixarene and para-xylene. <i>Journal of Chemical Physics</i> , 2008, 128, 144512.	3.0	2
131	Solid-state NMR of endohedral hydrogen- ¹³ C fullerene complexes. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 4879.	2.8	69
132	Residual Dipolar Couplings by Off-Magic-Angle Spinning in Solid-State Nuclear Magnetic Resonance Spectroscopy. <i>Journal of the American Chemical Society</i> , 2007, 129, 10972-10973.	13.7	41
133	J-Stabilization of singlet states in the solution NMR of multiple-spin systems. <i>Journal of Magnetic Resonance</i> , 2007, 187, 141-145.	2.1	60
134	Analytical theory of ¹³ C-encoded double-quantum recoupling sequences in solid-state nuclear magnetic resonance. <i>Journal of Magnetic Resonance</i> , 2007, 186, 65-74.	2.1	29
135	Accurate Measurements of ¹³ C- ¹³ C-Couplings in the Rhodopsin Chromophore by Double-Quantum Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2006, 128, 3878-3879.	13.7	38
136	Cryogenic NMR spectroscopy of endohedral hydrogen-fullerene complexes. <i>Journal of Chemical Physics</i> , 2006, 124, 104507.	3.0	51
137	Truncated dipolar recoupling in solid-state nuclear magnetic resonance. <i>Chemical Physics Letters</i> , 2006, 432, 572-578.	2.6	35
138	Symmetry-based recoupling of ¹⁷ O- ¹ H spin pairs in magic-angle spinning NMR. <i>Journal of Magnetic Resonance</i> , 2006, 179, 38-48.	2.1	49
139	Long-lived nuclear spin states in the solution NMR of four-spin systems. <i>Journal of Magnetic Resonance</i> , 2006, 182, 353-357.	2.1	72
140	Theory and applications of supercycled symmetry-based recoupling sequences in solid-state nuclear magnetic resonance. <i>Journal of Chemical Physics</i> , 2006, 124, 234510.	3.0	65
141	Heteronuclear decoupling interference during symmetry-based homonuclear recoupling in solid-state NMR. <i>Journal of Magnetic Resonance</i> , 2005, 177, 307-317.	2.1	46
142	Theory of long-lived nuclear spin states in solution nuclear magnetic resonance. I. Singlet states in low magnetic field. <i>Journal of Chemical Physics</i> , 2005, 122, 214505.	3.0	182
143	A Solid-State NMR Method for Solution of Zeolite Crystal Structures.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
144	Through-space contributions to two-dimensional double-quantum J correlation NMR spectra of magic-angle-spinning solids. <i>Journal of Chemical Physics</i> , 2005, 122, 194313.	3.0	82

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145	Spherical tensor analysis of nuclear magnetic resonance signals. <i>Journal of Chemical Physics</i> , 2005, 122, 2445-10.	3.0	42
146	A Solid-State NMR Method for Solution of Zeolite Crystal Structures. <i>Journal of the American Chemical Society</i> , 2005, 127, 10365-10370.	13.7	161
147	Symmetry-Based ^{29}Si Dipolar Recoupling Magic Angle Spinning NMR Spectroscopy: A New Method for Investigating Three-Dimensional Structures of Zeolite Frameworks. <i>Journal of the American Chemical Society</i> , 2005, 127, 542-543.	13.7	106
148	Some conjectures for cogwheel phase cycling. <i>Journal of Magnetic Resonance</i> , 2004, 167, 259-265.	2.1	20
149	Principles of Spin-Echo Modulation by J -Couplings in Magic-Angle-Spinning Solid-State NMR. <i>ChemPhysChem</i> , 2004, 5, 815-833.	2.1	84
150	Heteronuclear polarization transfer by symmetry-based recoupling sequences in solid-state NMR. <i>Solid State Nuclear Magnetic Resonance</i> , 2004, 26, 57-64.	2.3	106
151	A robust pulse sequence for the determination of small homonuclear dipolar couplings in magic-angle spinning NMR. <i>Chemical Physics Letters</i> , 2004, 390, 1-7.	2.6	72
152	Protein-Induced Bonding Perturbation of the Rhodopsin Chromophore Detected by Double-Quantum Solid-State NMR. <i>Journal of the American Chemical Society</i> , 2004, 126, 3948-3953.	13.7	58
153	Long-Lived Nuclear Spin States in High-Field Solution NMR. <i>Journal of the American Chemical Society</i> , 2004, 126, 6228-6229.	13.7	288
154	Solid-State NMR Spectroscopy of Molecular Hydrogen Trapped Inside an Open-Cage Fullerene. <i>Journal of the American Chemical Society</i> , 2004, 126, 4092-4093.	13.7	64
155	Beyond the T_1 Limit: Singlet Nuclear Spin States in Low Magnetic Fields. <i>Physical Review Letters</i> , 2004, 92, 153003.	7.8	322
156	A Test for the Number of Coupled Spins $I=1/2$ in Magic-Angle-Spinning Solids: Zero-Quantum Recoupling of Multiple-Quantum Coherences. <i>ChemPhysChem</i> , 2003, 4, 457-465.	2.1	12
157	Modulation-aided signal enhancement in the magic angle spinning NMR of spin-5/2 nuclei. <i>Chemical Physics Letters</i> , 2003, 367, 150-156.	2.6	40
158	Coherence transfer selectivity in two-dimensional solid-state NMR. <i>Chemical Physics Letters</i> , 2003, 376, 515-523.	2.6	2
159	Multiplex phase cycling. <i>Journal of Magnetic Resonance</i> , 2003, 160, 52-58.	2.1	47
160	Enhanced triple-quantum excitation in ^{13}C magic-angle spinning NMR. <i>Journal of Magnetic Resonance</i> , 2003, 162, 443-453.	2.1	9
161	Application of amplitude-modulated radiofrequency fields to the magic-angle spinning NMR of spin- n nuclei. <i>Journal of Magnetic Resonance</i> , 2003, 163, 310-317.	2.1	23
162	Application of cogwheel phase cycling to sideband manipulation experiments in solid-state NMR. <i>Journal of Magnetic Resonance</i> , 2003, 164, 286-293.	2.1	54

#	ARTICLE	IF	CITATIONS
163	Quantum-information processing by nuclear magnetic resonance: Experimental implementation of half-adder and subtractor operations using an oriented spin-7/2 system. <i>Physical Review A</i> , 2002, 66, .	2.5	47
164	Solid-State NMR Determination of Sugar Ring Pucker in ¹³ C-Labeled 2-Deoxynucleosides. <i>Biophysical Journal</i> , 2002, 83, 2835-2844.	0.5	11
165	Signal Enhancement in the Triple-Quantum Magic-Angle Spinning NMR of Spins-32 in Solids: The FAM-RIACT-FAM Sequence. <i>Journal of Magnetic Resonance</i> , 2002, 155, 150-155.	2.1	38
166	Cogwheel Phase Cycling. <i>Journal of Magnetic Resonance</i> , 2002, 155, 300-306.	2.1	117
167	Homonuclear Zero-Quantum Recoupling in Fast Magic-Angle Spinning Nuclear Magnetic Resonance. <i>Journal of Magnetic Resonance</i> , 2002, 156, 79-96.	2.1	77
168	Double-quantum solid-state NMR of ¹³ C spin pairs coupled to ¹⁴ N. <i>Journal of Magnetic Resonance</i> , 2002, 159, 25-35.	2.1	11
169	Measurement of NH Bond Lengths by Fast Magic-Angle Spinning Solid-State NMR Spectroscopy: A New Method for the Quantification of Hydrogen Bonds. <i>Journal of the American Chemical Society</i> , 2001, 123, 11097-11098.	13.7	79
170	Estimation of Carbon-Carbon Bond Lengths and Medium-Range Internuclear Distances by Solid-State Nuclear Magnetic Resonance. <i>Journal of the American Chemical Society</i> , 2001, 123, 10628-10638.	13.7	101
171	Double-Quantum Excitation in the NMR of Spinning Solids by Pulse-Assisted Rotational Resonance. <i>Journal of Magnetic Resonance</i> , 2001, 148, 238-247.	2.1	8
172	Conformation of the Glycosidic Linkage in a Disaccharide Investigated by Double-Quantum Solid-State NMR. <i>Journal of Magnetic Resonance</i> , 2001, 151, 136-141.	2.1	7
173	Recoupling of heteronuclear dipolar interactions in solid-state NMR using symmetry-based pulse sequences. <i>Chemical Physics Letters</i> , 2001, 342, 353-361.	2.6	140
174	High-resolution ¹ H NMR in the solid state using symmetry-based pulse sequences. <i>Chemical Physics Letters</i> , 2001, 346, 142-148.	2.6	101
175	Symmetry principles in the nuclear magnetic resonance of spinning solids: Heteronuclear recoupling by generalized Hartmann-Hahn sequences. <i>Journal of Chemical Physics</i> , 2001, 115, 357-384.	3.0	206
176	Toward dipolar recoupling in macroscopically ordered samples of membrane proteins rotating at the magic angle. <i>Focus on Structural Biology</i> , 2001, , 71-81.	0.1	3
177	Signs of Frequencies and Phases in NMR: The Role of Radiofrequency Mixing. <i>Journal of Magnetic Resonance</i> , 2000, 142, 190-194.	2.1	35
178	Determination of Molecular Geometry by High-Order Multiple-Quantum Evolution in Solid-State NMR. <i>Journal of Magnetic Resonance</i> , 2000, 144, 266-279.	2.1	25
179	Efficient Double-Quantum Excitation in Rotational Resonance NMR. <i>Journal of Magnetic Resonance</i> , 2000, 145, 95-107.	2.1	26
180	Coherence Transfer Signals in the Rotational Resonance NMR of a Spinning Single Crystal. <i>Journal of Magnetic Resonance</i> , 2000, 147, 147-151.	2.1	2

#	ARTICLE	IF	CITATIONS
181	Symmetry principles for the design of radiofrequency pulse sequences in the nuclear magnetic resonance of rotating solids. <i>Chemical Physics Letters</i> , 2000, 321, 205-215.	2.6	319
182	NMR experiments for the sign determination of homonuclear scalar and residual dipolar couplings. <i>Journal of Biomolecular NMR</i> , 2000, 16, 343-346.	2.8	41
183	Determination of a molecular torsional angle in the metarhodopsin-I photointermediate of rhodopsin by double-quantum solid-state NMR. <i>Journal of Biomolecular NMR</i> , 2000, 16, 1-8.	2.8	66
184	NaDNA- π -bipyridyl-(ethylenediamine)platinum (II) complex: Structure in oriented wet-spun films and fibers. <i>Physical Review E</i> , 2000, 62, 7044-7058.	2.1	6
185	Synchronous helical pulse sequences in magic-angle spinning nuclear magnetic resonance: Double quantum recoupling of multiple-spin systems. <i>Journal of Chemical Physics</i> , 2000, 112, 8539-8554.	3.0	199
186	BII Nucleotides in the B and C Forms of Natural-sequence Polymeric DNA: A New Model for the C Form of DNA. <i>Journal of Molecular Biology</i> , 2000, 304, 541-561.	4.2	81
187	Investigation of Carbohydrate Conformation in Solution and in Powders by Double-Quantum NMR. <i>Journal of the American Chemical Society</i> , 2000, 122, 1102-1115.	13.7	48
188	Multiple-quantum relaxation in the magic-angle-spinning NMR of spin pairs. <i>Solid State Nuclear Magnetic Resonance</i> , 1999, 14, 43-58.	2.3	27
189	Rotational resonance NMR of 2 -labelled retinal: quantitative internuclear distance determination. <i>Solid State Nuclear Magnetic Resonance</i> , 1999, 14, 81-90.	2.3	19
190	Anomalous Rotational Resonance Spectra in Magic-Angle Spinning NMR. <i>Journal of Magnetic Resonance</i> , 1999, 140, 379-403.	2.1	38
191	High-Order Spin Diffusion Mechanisms in ^{19}F 2-D NMR of Oxyfluorides. <i>Journal of Magnetic Resonance</i> , 1999, 140, 242-249.	2.1	10
192	Pulse sequence symmetries in the nuclear magnetic resonance of spinning solids: Application to heteronuclear decoupling. <i>Journal of Chemical Physics</i> , 1999, 111, 1511-1519.	3.0	170
193	Excitation of carbon-13 triple quantum coherence in magic-angle-spinning NMR. <i>Chemical Physics Letters</i> , 1998, 293, 173-179.	2.6	40
194	Computation of Orientational Averages in Solid-State NMR by Gaussian Spherical Quadrature. <i>Journal of Magnetic Resonance</i> , 1998, 132, 220-239.	2.1	122
195	^{13}C and ^{15}N Chemical Shift Anisotropy of Ampicillin and Penicillin-V Studied by 2D-PASS and CP/MAS NMR. <i>Journal of Magnetic Resonance</i> , 1998, 135, 144-155.	2.1	106
196	Broadband dipolar recoupling in the nuclear magnetic resonance of rotating solids: A compensated C7 pulse sequence. <i>Journal of Chemical Physics</i> , 1998, 108, 2686-2694.	3.0	510
197	Longitudinal rotational resonance echoes in solid state nuclear magnetic resonance: Investigation of zero quantum spin dynamics. <i>Journal of Chemical Physics</i> , 1998, 109, 5493-5507.	3.0	29
198	Numerical simulation of periodic nuclear magnetic resonance problems: fast calculation of carousel averages. <i>Molecular Physics</i> , 1998, 95, 879-890.	1.7	49

#	ARTICLE	IF	CITATIONS
199	Direct Determination of a Peptide Torsional Angle γ by Double-Quantum Solid-State NMR. <i>Journal of the American Chemical Society</i> , 1997, 119, 12006-12007.	13.7	110
200	Direct Determination of a Molecular Torsional Angle in the Membrane Protein Rhodopsin by Solid-State NMR. <i>Journal of the American Chemical Society</i> , 1997, 119, 6853-6857.	13.7	160
201	Conformational transitions of the phosphodiester backbone in native DNA: two-dimensional magic-angle-spinning ^{31}P -NMR of DNA fibers. <i>Biophysical Journal</i> , 1997, 73, 1539-1552.	0.5	31
202	The conformation of an inhibitor bound to the gastric proton pump. <i>FEBS Letters</i> , 1997, 410, 269-274.	2.8	38
203	The Signs of Frequencies and Phases in NMR. <i>Journal of Magnetic Resonance</i> , 1997, 126, 164-182.	2.1	149
204	Structure and Molecular Ordering of a Nematic Liquid Crystal Studied by Natural-Abundance Double-Quantum ^{13}C NMR. <i>Journal of the American Chemical Society</i> , 1996, 118, 6966-6974.	13.7	50
205	Direct determination of a molecular torsional angle by solid-state NMR. <i>Chemical Physics Letters</i> , 1996, 257, 314-320.	2.6	194
206	Demagnetization field effects in two-dimensional solution NMR. <i>Concepts in Magnetic Resonance</i> , 1996, 8, 77-103.	1.3	136
207	Order-resolved sideband separation in magic-angle-spinning NMR. ^{31}P NMR of oriented DNA fibers. <i>Chemical Physics Letters</i> , 1996, 253, 349-354.	2.6	16
208	Centerband Phase Shift in the TOSS Spectra of a Magic-Angle-Spinning Single Crystal. <i>Journal of Magnetic Resonance Series A</i> , 1996, 118, 295-298.	1.6	9
209	Efficient Simulation of Periodic Problems in NMR. Application to Decoupling and Rotational Resonance. <i>Journal of Magnetic Resonance Series A</i> , 1996, 120, 56-71.	1.6	84
210	Two-Dimensional Sideband Separation in Magic-Angle-Spinning NMR. <i>Journal of Magnetic Resonance Series A</i> , 1995, 115, 7-19.	1.6	277
211	Efficient dipolar recoupling in the NMR of rotating solids. A sevenfold symmetric radiofrequency pulse sequence. <i>Chemical Physics Letters</i> , 1995, 242, 304-309.	2.6	410
212	Rotational resonance echoes in the nuclear magnetic resonance of spinning solids. <i>Chemical Physics Letters</i> , 1995, 247, 534-540.	2.6	15
213	Suppression of sidebands in magic-angle-spinning nuclear magnetic resonance: General principles and analytical solutions. <i>Journal of Chemical Physics</i> , 1994, 100, 130-140.	3.0	49
214	Rotational resonance with multiple-pulse scaling in solid-state nuclear magnetic resonance. <i>Journal of Chemical Physics</i> , 1994, 100, 5533-5545.	3.0	13
215	Double-quantum homonuclear rotary resonance: Efficient dipolar recovery in magic-angle spinning nuclear magnetic resonance. <i>Journal of Chemical Physics</i> , 1994, 101, 1805-1812.	3.0	422
216	Quenching spin diffusion in selective measurements of transient overhauser effects in nuclear magnetic resonance. Applications to oligonucleotides. <i>Journal of the American Chemical Society</i> , 1994, 116, 362-368.	13.7	84

#	ARTICLE	IF	CITATIONS
217	Determination of internuclear distances and the orientation of functional groups by solid-state NMR: Rotational resonance study of the conformation of retinal in bacteriorhodopsin. <i>Biochemistry</i> , 1994, 33, 6129-6136.	2.5	80
218	Molecular Order of a Liquid Crystal Investigated by Double-Quantum ¹³ C NMR. <i>Journal of the American Chemical Society</i> , 1994, 116, 9357-9358.	13.7	27
219	Intermolecular Dipole-Dipole Relaxation. A Molecular Dynamics Simulation. <i>Journal of Magnetic Resonance Series A</i> , 1993, 105, 289-294.	1.6	37
220	High-resolution ¹ H NMR in solids with frequency-switched multiple-pulse sequences. <i>Solid State Nuclear Magnetic Resonance</i> , 1993, 2, 151-163.	2.3	114
221	Sideband suppression in magic-angle-spinning NMR by a sequence of 5 π pulses. <i>Solid State Nuclear Magnetic Resonance</i> , 1993, 2, 143-146.	2.3	46
222	Broad band dipolar recoupling in the nuclear magnetic resonance of rotating solids. <i>Journal of Chemical Physics</i> , 1993, 98, 6742-6748.	3.0	87
223	Steady state in magnetic resonance pulse experiments. <i>Physical Review Letters</i> , 1992, 69, 3124-3127.	7.8	103
224	Enhanced double-quantum nuclear magnetic resonance in spinning solids at rotational resonance. <i>Journal of Chemical Physics</i> , 1992, 96, 5668-5677.	3.0	66
225	Time-domain calculation of chemical exchange effects in the NMR spectra of rotating solids. <i>Solid State Nuclear Magnetic Resonance</i> , 1992, 1, 211-215.	2.3	32
226	Unitary evolution, Liouville space, and local spin thermodynamics. <i>Journal of Magnetic Resonance</i> , 1992, 99, 1-17.	0.5	8
227	Preparing initial conditions for rotational resonance in solid state NMR spectroscopy. <i>Chemical Physics Letters</i> , 1992, 200, 350-356.	2.6	15
228	Heteronuclear cross polarization in liquid-state nuclear magnetic resonance: Mismatch compensation and relaxation behavior. <i>Journal of Chemical Physics</i> , 1991, 94, 30-38.	3.0	79
229	Determination of membrane protein structure by rotational resonance NMR: bacteriorhodopsin. <i>Science</i> , 1991, 251, 783-786.	12.6	300
230	The Aruri Case in Retrospect. <i>Physics Today</i> , 1990, 43, 134-137.	0.3	0
231	Theory and simulations of homonuclear spin pair systems in rotating solids. <i>Journal of Chemical Physics</i> , 1990, 92, 6347-6364.	3.0	405
232	Two-Dimensional Dipolar-Chemical Shift NMR in Rotating Solids. , 1990, , 339-354.		4
233	Frequency-switched pulse sequences: Homonuclear decoupling and dilute spin NMR in solids. <i>Chemical Physics Letters</i> , 1989, 155, 341-346.	2.6	453
234	Why do spinning sidebands have the same phase?. <i>Journal of Magnetic Resonance</i> , 1989, 82, 427-433.	0.5	28

#	ARTICLE	IF	CITATIONS
235	Frequency-selective double-quantum-filtered COSY in water. <i>Journal of Magnetic Resonance</i> , 1989, 82, 562-570.	0.5	5
236	Two-dimensional spin-echo nuclear magnetic resonance in rotating solids. <i>Journal of Chemical Physics</i> , 1989, 90, 679-689.	3.0	49
237	Measurement of internuclear distances in polycrystalline solids. Rotationally enhanced transfer of nuclear spin magnetization. <i>Journal of the American Chemical Society</i> , 1989, 111, 4502-4503.	13.7	96
238	Rotational resonance in solid state NMR. <i>Chemical Physics Letters</i> , 1988, 146, 71-76.	2.6	579
239	Enhancement of the effect of small anisotropies in magic-angle spinning nuclear magnetic resonance. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1988, 84, 3691.	1.0	32
240	Mixed radiolucent-radiopaque mass of the mandible. <i>Journal of Oral and Maxillofacial Surgery</i> , 1988, 46, 399-403.	1.2	0
241	NMR solvent peak suppression by nonlinear excitation. <i>Journal of Chemical Physics</i> , 1988, 88, 3481-3496.	3.0	28
242	Rotary resonance recoupling of dipolar interactions in solid-state nuclear magnetic resonance spectroscopy. <i>Journal of Chemical Physics</i> , 1988, 89, 692-695.	3.0	374
243	Rotary Resonance Recoupling in Heteronuclear Spin Pair Systems. <i>Israel Journal of Chemistry</i> , 1988, 28, 271-282.	2.3	144
244	Density-Operator Theory of Pulses and Precession. , 1988, , 111-147.		2
245	NMR solvent peak suppression with a soft-pulse nonlinear excitation sequence. <i>Journal of the American Chemical Society</i> , 1987, 109, 6540-6541.	13.7	19
246	NMR in chemically exchanging systems. Is the number of sites equal to the number of frequencies?. <i>Journal of Magnetic Resonance</i> , 1987, 75, 222-228.	0.5	2
247	Solvent signal suppression without phase distortion in high-resolution NMR. <i>Journal of Magnetic Resonance</i> , 1987, 71, 576-581.	0.5	25
248	Spin dynamics and thermodynamics in solid-state NMR cross polarization. <i>Journal of Chemical Physics</i> , 1986, 84, 4243-4255.	3.0	237
249	Composite pulses. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 1986, 18, 61-122.	7.5	663
250	Multiple-quantum excitation and spin topology filtration in high-resolution NMR. <i>Journal of Chemical Physics</i> , 1985, 83, 3297-3310.	3.0	68
251	Sensitivity of two-dimensional spectra. <i>Journal of Magnetic Resonance</i> , 1984, 58, 462-472.	0.5	28
252	Composite pulse excitation in three-level systems. <i>Journal of Chemical Physics</i> , 1984, 80, 3064-3068.	3.0	115

#	ARTICLE	IF	CITATIONS
253	Spin-pattern recognition in high-resolution proton NMR spectroscopy. Chemical Physics Letters, 1983, 100, 119-123.	2.6	47
254	Multiplet-separated heteronuclear two-dimensional NMR spectroscopy. Chemical Physics Letters, 1983, 94, 540-544.	2.6	52
255	The illusions of spin decoupling. Journal of Magnetic Resonance, 1983, 53, 443-461.	0.5	27
256	Composite pulses constructed by a recursive expansion procedure. Journal of Magnetic Resonance, 1983, 55, 247-254.	0.5	74
257	Uniform excitation of multiple-quantum coherence: Application to multiple quantum filtering. Journal of Magnetic Resonance, 1983, 55, 104-113.	0.5	51
258	Improvement of pulse performance in N.M.R. coherence transfer experiments. Molecular Physics, 1983, 50, 1109-1124.	1.7	89
259	Multiphoton NMR spectroscopy on a spin system with $I=1/2$. Journal of Chemical Physics, 1983, 78, 5293-5310.	3.0	114
260	Broadband Decoupling in High-Resolution Nuclear Magnetic Resonance Spectroscopy. Advances in Magnetic and Optical Resonance, 1983, , 47-110.	1.7	140
261	Symmetrical composite pulse sequences for NMR population inversion. II. Compensation of resonance offset. Journal of Magnetic Resonance, 1982, 50, 95-110.	0.5	54
262	Supercycles for broadband heteronuclear decoupling. Journal of Magnetic Resonance, 1982, 50, 157-160.	0.5	53
263	A simple "black-box" decoupler. Journal of Magnetic Resonance, 1982, 50, 345-348.	0.5	11
264	Broadband heteronuclear decoupling. Journal of Magnetic Resonance, 1982, 47, 328-330.	0.5	164
265	Symmetrical composite pulse sequences for NMR population inversion. I. Compensation of radiofrequency field inhomogeneity. Journal of Magnetic Resonance, 1982, 48, 234-264.	0.5	99
266	Composite pulse decoupling. Journal of Magnetic Resonance, 1981, 43, 502-507.	0.5	82
267	Compensation for pulse imperfections in NMR spin-echo experiments. Journal of Magnetic Resonance, 1981, 43, 65-80.	0.5	126
268	Composite Z pulses. Journal of Magnetic Resonance, 1981, 44, 409-412.	0.5	37
269	Simplification of NMR spectra by masking in a second frequency dimension. Journal of Magnetic Resonance, 1980, 39, 533-538.	0.5	16
270	Radiofrequency pulse sequences which compensate their own imperfections. Journal of Magnetic Resonance, 1980, 38, 453-479.	0.5	83

#	ARTICLE	IF	CITATIONS
271	Broadband decoupling and scaling of heteronuclear spin-spin interactions in high-resolution NMR. Journal of Magnetic Resonance, 1979, 35, 447-450.	0.5	13
272	Elimination of dispersion-mode contributions from two-dimensional NMR spectra. Journal of Magnetic Resonance, 1979, 34, 663-667.	0.5	19
273	Phase adjustment of two-dimensional NMR spectra. Journal of Magnetic Resonance, 1979, 34, 675-678.	0.5	13
274	NMR population inversion using a composite pulse. Journal of Magnetic Resonance, 1979, 33, 473-476.	0.5	203