

Mark S Conradi

List of Publications by Year in descending order

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168
papers

5,418
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101543

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174
docs citations

174
times ranked

3844
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-cost gradient amplifiers for small MRI systems. <i>Journal of Magnetic Resonance</i> , 2022, 335, 107127.	2.1	3
2	Design and demonstration of a low-field magnetic resonance imaging rhizotron for in-field imaging of energy sorghum roots. <i>The Plant Phenome Journal</i> , 2022, 5, .	2.0	5
3	NMR spectroscopy of coin cell batteries with metal casings. <i>Science Advances</i> , 2021, 7, eabg8298.	10.3	9
4	NMR of petrochemical-type chemical reactions. <i>Journal of Magnetic Resonance</i> , 2020, 311, 106665.	2.1	0
5	Low-field magnetic resonance imaging of roots in intact clayey and silty soils. <i>Geoderma</i> , 2020, 370, 114356.	5.1	19
6	Helicopter-borne NMR for detection of oil under sea-ice. <i>Marine Pollution Bulletin</i> , 2019, 144, 160-166.	5.0	17
7	CO ₂ Adsorption on PIMs Studied with ¹³ C NMR Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2018, 122, 4403-4408.	3.1	8
8	Anomalous H ₂ Desorption Rate of NaAlH ₄ Confined in Nitrogen-Doped Nanoporous Carbon Frameworks. <i>Chemistry of Materials</i> , 2018, 30, 2930-2938.	6.7	45
9	Adiabatic sweep pulses for earth's field NMR with a surface coil. <i>Journal of Magnetic Resonance</i> , 2018, 288, 23-27.	2.1	14
10	Earth's field NMR detection of oil under arctic ice-water suppression. <i>Journal of Magnetic Resonance</i> , 2018, 288, 95-99.	2.1	10
11	³ He diffusion MRI in human lungs. <i>Journal of Magnetic Resonance</i> , 2018, 292, 90-98.	2.1	10
12	Circuit filling factor (CFF) for multiply tuned probes, revisited. <i>Journal of Magnetic Resonance</i> , 2018, 292, 53-58.	2.1	4
13	Revisiting Anisotropic Diffusion of Carbon Dioxide in the Metal-Organic Framework Zn ₂ (dobpdc). <i>Journal of Physical Chemistry C</i> , 2018, 122, 15344-15351.	3.1	15
14	Spatially-variable carbonation reactions in polycrystalline olivine. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 204, 252-266.	3.9	8
15	What makes a good pediatric transplant lung: Insights from in vivo lung morphometry with hyperpolarized ³ He magnetic resonance imaging. <i>Pediatric Transplantation</i> , 2017, 21, e12886.	1.0	9
16	CO ₂ Dynamics in Pure and Mixed-Metal MOFs with Open Metal Sites. <i>Journal of Physical Chemistry C</i> , 2017, 121, 25778-25787.	3.1	59
17	A flow-through, elevated-temperature and -pressure NMR apparatus for in-situ CO ₂ sequestration studies. <i>Journal of Magnetic Resonance</i> , 2017, 282, 136-141.	2.1	6
18	Pre-polarization fields for earth's field NMR: Fast discharge for use with short T1 and large coils. <i>Journal of Magnetic Resonance</i> , 2017, 281, 241-245.	2.1	17

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19	LiBH ₄ in Aerogel: Ionic Motions by NMR. Journal of Physical Chemistry C, 2017, 121, 15114-15119.	3.1	6
20	A combined experimental setup for OP and ODNMR. Journal of Magnetic Resonance, 2017, 281, 172-187.	2.1	1
21	Nuclear Magnetic Resonance Study of Molecular Dynamics in Ammine Metal Borohydride Sr(BH ₄) ₂ (NH ₃) ₂ . Journal of Physical Chemistry C, 2016, 120, 24646-24654.	3.1	14
22	Experimental evidence of age-related adaptive changes in human acinar airways. Journal of Applied Physiology, 2016, 120, 159-165.	2.5	34
23	Quantitative Identification of Metastable Magnesium Carbonate Minerals by Solid-State ¹³ C NMR Spectroscopy. Environmental Science & Technology, 2015, 49, 657-664.	10.0	32
24	Determining pH at Elevated Pressure and Temperature Using <i>in Situ</i> ¹³ C NMR. Environmental Science & Technology, 2015, 49, 1631-1638.	10.0	6
25	Detection of Fluorite-Structured MgD ₂ /TiD ₂ : Deuterium NMR. Journal of Physical Chemistry C, 2015, 119, 7656-7661.	3.1	3
26	Characterization of a Mixture of CO ₂ Adsorption Products in Hyperbranched Aminosilica Adsorbents by ¹³ C Solid-State NMR. Environmental Science & Technology, 2015, 49, 13684-13691.	10.0	45
27	Development and performance of a 129-GHz dynamic nuclear polarizer in an ultra-wide bore superconducting magnet. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2015, 28, 195-205.	2.0	24
28	Impacts of Diffusive Transport on Carbonate Mineral Formation from Magnesium Silicate-CO ₂ -Water Reactions. Environmental Science & Technology, 2014, 48, 14344-14351.	10.0	20
29	Probing lung microstructure with hyperpolarized noble gas diffusion MRI: theoretical models and experimental results. Magnetic Resonance in Medicine, 2014, 71, 486-505.	3.0	33
30	Piezoelectric crystals generate NMR-like signals for rapid spectrometer troubleshooting. Journal of Magnetic Resonance, 2014, 242, 1-3.	2.1	1
31	Commentary on "The influence of lung airways branching structure and diffusion time on measurements and models of short-range ³ He gas MR diffusion". Journal of Magnetic Resonance, 2014, 239, 139-142.	2.1	10
32	Hydrogenation rate limiting step, diffusion and thermal conductivity in cold rolled magnesium hydride. Journal of Alloys and Compounds, 2014, 583, 116-120.	5.5	33
33	NMR Study of Anion Dynamics in Solid KAlH ₄ . Journal of Physical Chemistry C, 2014, 118, 5725-5732.	3.1	16
34	Function and Microstructure by Hyperpolarized Gas MRI. , 2014, , 247-267.		0
35	Probing the unusual anion mobility of LiBH ₄ confined in highly ordered nanoporous carbon frameworks via solid state NMR and quasielastic neutron scattering. Journal of Materials Chemistry A, 2013, 1, 9935.	10.3	42
36	Molecular Motions of Adsorbed CO ₂ on a Tetrazole-Functionalized PIM Polymer Studied with ¹³ C NMR. Journal of Physical Chemistry C, 2013, 117, 22995-22999.	3.1	8

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37	Effects of NaOH in Solid NaH: Solution/Segregation Phase Transition and Diffusion Acceleration. <i>Journal of Physical Chemistry C</i> , 2013, 117, 23575-23581.	3.1	6
38	In Situ Measurement of Magnesium Carbonate Formation from CO ₂ Using Static High-Pressure and -Temperature ¹³ C NMR. <i>Environmental Science & Technology</i> , 2013, 47, 119-125.	10.0	28
39	Mobile Species in NaAlH ₄ . <i>Journal of Physical Chemistry C</i> , 2013, 117, 8105-8113.	3.1	17
40	NMR Studies of NaH. <i>Journal of Physical Chemistry C</i> , 2012, 116, 18649-18654.	3.1	10
41	NMR Measurement of Exchange of Deuterium between Palladium-Deuteride and Deuterium Gas. <i>Journal of Physical Chemistry C</i> , 2012, 116, 4335-4339.	3.1	4
42	NMR Investigation of Nanoporous ¹³ Mg(BH ₄) ₂ and Its Thermally Induced Phase Changes. <i>Journal of Physical Chemistry C</i> , 2012, 116, 13033-13037.	3.1	20
43	Commentaries on Viewpoint: Unresolved mysteries. <i>Journal of Applied Physiology</i> , 2012, 113, 1948-1949.	2.5	7
44	Comprehensive NMR Study of Magnesium Borohydride. <i>Journal of Physical Chemistry C</i> , 2011, 115, 3172-3177.	3.1	39
45	Hydrogen NMR of Palladium Hydride: Measuring the Hydride-Gas Exchange Rate. <i>Journal of Physical Chemistry C</i> , 2011, 115, 4966-4970.	3.1	9
46	Imaging lung microstructure in mice with hyperpolarized ³ He diffusion MRI. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 620-626.	3.0	34
47	In Vivo Detection of Acinar Microstructural Changes in Early Emphysema with ³ He Lung Morphometry. <i>Radiology</i> , 2011, 260, 866-874.	7.3	66
48	Emphysema Quantification in Inflation-Fixed Lungs Using Low-Dose Computed Tomography and ³ He Magnetic Resonance Imaging. <i>Journal of Computer Assisted Tomography</i> , 2010, 34, 773-779.	0.9	11
49	Discovery of A New Al Species in Hydrogen Reactions of NaAlH ₄ . <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2412-2416.	4.6	52
50	NMR Study of LiBH ₄ with C ₆₀ . <i>Journal of Physical Chemistry C</i> , 2010, 114, 19862-19866.	3.1	18
51	LiBH ₄ in Carbon Aerogel Nanoscaffolds: An NMR Study of Atomic Motions. <i>Journal of Physical Chemistry C</i> , 2010, 114, 4008-4014.	3.1	85
52	Reply to Verbanck and Paiva. <i>Journal of Applied Physiology</i> , 2009, 106, 1024-1024.	2.5	0
53	Effects of diffusion time on short-range hyperpolarized ³ He diffusivity measurements in emphysema. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 30, 801-808.	3.4	34
54	Calibration of RF transmitter voltages for hyperpolarized gas MRI. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 239-243.	3.0	14

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55	Multi-exponential signal decay from diffusion in a single compartment. <i>Journal of Magnetic Resonance</i> , 2009, 197, 87-90.	2.1	15
56	Exchange of Hydrogen Atoms Between BH_4 in $LiBH_4$. <i>Journal of Physical Chemistry C</i> , 2009, 113, 5039-5042.	3.1	35
57	NMR Studies of the Hydrogen Storage Compound $NaMgH_3$. <i>Journal of Physical Chemistry C</i> , 2009, 113, 18414-18419.	3.1	24
58	Quantification of lung microstructure with hyperpolarized 3He diffusion MRI. <i>Journal of Applied Physiology</i> , 2009, 107, 1258-1265.	2.5	139
59	Actively decoupled transmit-receive coil pair for mouse brain MRI. <i>Concepts in Magnetic Resonance Part B</i> , 2008, 33B, 252-259.	0.7	19
60	Hydrogen Motion in Magnesium Hydride by NMR. <i>Journal of Physical Chemistry C</i> , 2008, 112, 19784-19790.	3.1	68
61	Molecular H_2 trapped in AlH_3 solid. <i>Journal of Alloys and Compounds</i> , 2008, 463, 1-5.	5.5	40
62	The Role of Collateral Paths in Long-range Diffusion of 3He in Lungs. <i>Academic Radiology</i> , 2008, 15, 675-682.	2.5	24
63	Atomic Motions in $LiBH_4$ by NMR. <i>Journal of Physical Chemistry C</i> , 2008, 112, 18706-18710.	3.1	76
64	Hydrogen Nuclear Spin Relaxation in Hydrogen Ice Clathrate. <i>Journal of Physical Chemistry A</i> , 2008, 112, 8303-8309.	2.5	12
65	Hydrogen NMR of H_2 - D_2O Clathrate. <i>Journal of Physical Chemistry B</i> , 2008, 112, 13695-13700.	2.6	20
66	Hyperpolarized 3He MR Imaging: Physiologic Monitoring Observations and Safety Considerations in 100 Consecutive Subjects. <i>Radiology</i> , 2008, 248, 655-661.	7.3	74
67	Role of collateral paths in long-range diffusion in lungs. <i>Journal of Applied Physiology</i> , 2008, 104, 1495-1503.	2.5	28
68	Transpleural ventilation of explanted human lungs. <i>Thorax</i> , 2007, 62, 623-630.	5.6	19
69	NMR to determine rates of motion and structures in metal-hydrides. <i>Journal of Alloys and Compounds</i> , 2007, 446-447, 499-503.	5.5	44
70	Rate of hydrogen motion in Ni-substituted $LaNi_5H_x$ from NMR. <i>Journal of Alloys and Compounds</i> , 2007, 446-447, 495-498.	5.5	4
71	Rotation and Diffusion of H_2 in Hydrogen Ice Clathrate by 1H NMR. <i>Journal of Physical Chemistry B</i> , 2007, 111, 12097-12102.	2.6	35
72	In vivo lung morphometry with hyperpolarized 3He diffusion MRI in canines with induced emphysema: disease progression and comparison with computed tomography. <i>Journal of Applied Physiology</i> , 2007, 102, 477-484.	2.5	49

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73	How accurately can the parameters from a model of anisotropic ^3He gas diffusion in lung acinar airways be estimated? Bayesian view. <i>Journal of Magnetic Resonance</i> , 2007, 184, 62-71.	2.1	16
74	Relaxation and diffusion of perfluorocarbon gas mixtures with oxygen for lung MRI. <i>Journal of Magnetic Resonance</i> , 2006, 181, 191-198.	2.1	31
75	Hyperpolarized ^3He and perfluorocarbon gas diffusion MRI of lungs. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2006, 48, 63-83.	7.5	45
76	The evolution of structural changes in ettringite during thermal decomposition. <i>Journal of Solid State Chemistry</i> , 2006, 179, 1259-1272.	2.9	50
77	Hyperpolarized ^3He diffusion MRI and histology in pulmonary emphysema. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 1293-1300.	3.0	191
78	Comparison of spin relaxation in the metal-hydrogen systems ZrNiHx and ZrNiDx . <i>Physical Review B</i> , 2006, 73, .	3.2	5
79	Long-range diffusion of hyperpolarized ^3He in explanted normal and emphysematous human lungs via magnetization tagging. <i>Journal of Applied Physiology</i> , 2005, 99, 1992-1997.	2.5	67
80	^{19}F MR imaging of ventilation and diffusion in excised lungs. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 577-585.	3.0	45
81	Apparatus for high temperatures and intermediate pressures, for in situ nuclear magnetic resonance of hydrogen storage systems. <i>Review of Scientific Instruments</i> , 2005, 76, 073906.	1.3	6
82	Proton magnetic resonance spectra of YH_3 and LuH_3 . <i>Physical Review B</i> , 2005, 72, .	3.2	19
83	Feasibility of combining MR perfusion, angiography, and ^3He ventilation imaging for evaluation of lung function in a porcine model. <i>Academic Radiology</i> , 2005, 12, 202-209.	2.5	13
84	^3He Diffusion MRI of the Lung. <i>Academic Radiology</i> , 2005, 12, 1406-1413.	2.5	35
85	A simple, robust hardware device for passive or active respiratory gating in MRI and MRS experiments. <i>Concepts in Magnetic Resonance</i> , 2004, 21B, 40-48.	1.3	26
86	Magnetization tagging decay to measure long-range ^3He diffusion in healthy and emphysematous canine lungs. <i>Magnetic Resonance in Medicine</i> , 2004, 51, 1002-1008.	3.0	61
87	Hyperpolarized ^3He MRI of mouse lung. <i>Magnetic Resonance in Medicine</i> , 2004, 52, 1310-1317.	3.0	64
88	Feasibility of diffusion-NMR surface-to-volume measurements tested by calculations and computer simulations. <i>Journal of Magnetic Resonance</i> , 2004, 169, 196-202.	2.1	14
89	Feasibility of diffusion-NMR surface-to-volume measurements tested by calculations and computer simulations. <i>Journal of Magnetic Resonance</i> , 2004, 169, 196-196.	2.1	0
90	Magnetic alignment in nominally non-magnetic hexagonal metal hydrides: NMR. <i>Solid State Nuclear Magnetic Resonance</i> , 2003, 24, 254-262.	2.3	3

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91	Deuterium NMR study of structure and motion in LuD ₃ . Physical Review B, 2003, 67, .	3.2	11
92	NMR comparisons of nanocrystalline and coarse-grained palladium hydride and deuteride. Physical Review B, 2003, 67, .	3.2	4
93	Vacancy ordering phase transition in ZrBe ₂ (H/D) _x : NMR and electronic structure study. Physical Review B, 2003, 67, .	3.2	5
94	⁴⁵ Sc NMR and high-resolution quasielastic neutron scattering studies of localized H(D) motion in ϵ -ScH _x (D _x). Physical Review B, 2002, 66, .	3.2	7
95	Quantitative in vivo assessment of lung microstructure at the alveolar level with hyperpolarized ³ He diffusion MRI. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 3111-3116.	7.1	325
96	NMR study of a temperature-induced structural transition in ZrBe ₂ D _x . Journal of Alloys and Compounds, 2002, 330-332, 179-182.	5.5	6
97	Combined MR proton lung perfusion/angiography and helium ventilation: Potential for detecting pulmonary emboli and ventilation defects. Magnetic Resonance in Medicine, 2002, 47, 433-438.	3.0	36
98	Hyperpolarized ³ He gas production and MR imaging of the lung. Concepts in Magnetic Resonance, 2001, 13, 277-293.	1.3	98
99	Remote Tuning of NMR Probe Circuits. Journal of Magnetic Resonance, 2000, 144, 53-57.	2.1	23
100	MR imaging of diffusion of ³ He gas in healthy and diseased lungs. Magnetic Resonance in Medicine, 2000, 44, 174-179.	3.0	292
101	Versatile pulsed NMR system and experiments for students. Concepts in Magnetic Resonance, 2000, 12, 257-268.	1.3	1
102	Dynamic echo planar MR imaging of lung ventilation with hyperpolarized ³ He in normal subjects and patients with severe emphysema. NMR in Biomedicine, 2000, 13, 176-181.	2.8	58
103	Polarization transfer using hyperpolarized, supercritical xenon. Chemical Physics Letters, 2000, 327, 359-364.	2.6	19
104	Chemical Syntheses of Nanocrystalline Nickel Aluminides. Chemistry of Materials, 2000, 12, 973-982.	6.7	30
105	MR imaging of diffusion of ³ He gas in healthy and diseased lungs. , 2000, 44, 174.		2
106	Nuclear magnetic resonance study of the low-temperature localized H(D) motion in ϵ -ScH _x (D _x): Isotope effects. Physical Review B, 1999, 60, 966-971.	3.2	14
107	Anomalous transverse-spin relaxation in ZrCr ₂ H _x . Physical Review B, 1999, 59, 3769-3774.	3.2	3
108	Rapid imaging of hyperpolarized gas using EPI. Magnetic Resonance in Medicine, 1999, 42, 507-514.	3.0	104

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109	Protection circuitry for high-power diode laser arrays. <i>Review of Scientific Instruments</i> , 1998, 69, 2230-2232.	1.3	1
110	Low Frequency NMR Polarimeter for Hyperpolarized Gases. <i>Journal of Magnetic Resonance</i> , 1998, 134, 67-71.	2.1	45
111	Hydrogen exchange reactions in supercritical media monitored by in situ NMR. <i>Journal of Supercritical Fluids</i> , 1998, 14, 31-40.	3.2	18
112	Are There Hydrogen Bonds in Supercritical Methanol and Ethanol?. <i>Journal of Physical Chemistry B</i> , 1998, 102, 263-271.	2.6	148
113	Spin relaxation for motion restricted to two dimensions. <i>Physical Review B</i> , 1998, 58, 248-253.	3.2	5
114	NMR evidence for change in the local structure of ZrCr ₂ Hx. <i>Physical Review B</i> , 1998, 57, 10455-10461.	3.2	6
115	Nuclear magnetic resonance evidence of disorder and motion in yttrium trideuteride. <i>Physical Review B</i> , 1998, 58, 14823-14832.	3.2	24
116	Nuclear magnetic resonance probe for supercritical water and aqueous solutions. <i>Review of Scientific Instruments</i> , 1997, 68, 159-164.	1.3	26
117	Are There Hydrogen Bonds in Supercritical Water?. <i>Journal of the American Chemical Society</i> , 1997, 119, 3811-3817.	13.7	281
118	Atomic motions in NaSn: an unusual molecular semiconductor. <i>Journal of Non-Crystalline Solids</i> , 1996, 205-207, 203-207.	3.1	3
119	Chemical synthesis of nanocrystalline titanium and nickel aluminides from the metal chlorides and lithium aluminum hydride. <i>Advanced Materials</i> , 1996, 8, 163-166.	21.0	34
120	Deuterium site occupancy in YDx by magic-angle-spinning NMR. <i>Physical Review B</i> , 1996, 53, 15054-15062.	3.2	25
121	Atomic motions in an unusual molecular semiconductor: NaSn. <i>Physical Review B</i> , 1995, 52, 13998-14005.	3.2	10
122	Two-dimensional diffusion of hydrogen in ZrBe ₂ H _{1.4} . <i>Physical Review B</i> , 1995, 51, 6336-6342.	3.2	32
123	Explanation of the high-temperature relaxation anomaly in a metal-hydrogen system. <i>Physical Review B</i> , 1994, 49, 11773-11782.	3.2	14
124	Cross relaxation and atomic motion in LiNbO ₂ . <i>Physical Review B</i> , 1994, 50, 15764-15774.	3.2	14
125	Low-temperature NMR techniques. <i>Concepts in Magnetic Resonance</i> , 1993, 5, 243-262.	1.3	25
126	Low-temperature organometallic synthesis of crystalline and glassy ternary semiconductors MIIMVP ₂ where MI I $\hat{\rightarrow}$ Zn and Cd, and MIV $\hat{\rightarrow}$ Ge and Sn. <i>Journal of Organometallic Chemistry</i> , 1993, 449, 9-18.	1.8	18

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127	N15NMR study of thermally cycled KCN pellets. Physical Review B, 1993, 47, 5435-5437.	3.2	2
128	Two-part freezing in the orientational glass (KCN) _x (NaCN) _{1-x} . Physical Review B, 1992, 45, 13057-13060.	3.2	7
129	HD and D ₂ layers physisorbed on MgO studied by NMR. Physical Review Letters, 1992, 69, 2983-2986.	7.8	24
130	Evidence for the high-temperature spin-relaxation anomaly in metal hydrides. Physical Review B, 1992, 46, 184-187.	3.2	5
131	Improved NMR resonator for diamond anvil cells. Review of Scientific Instruments, 1992, 63, 3674-3676.	1.3	25
132	Sol-gel-like route to crystalline cadmium phosphide nanoclusters. Chemistry of Materials, 1992, 4, 508-511.	6.7	36
133	The 31P NMR spectra of Cd ₃ P ₂ and Zn ₃ P ₂ . Journal of Physics and Chemistry of Solids, 1992, 53, 1275-1278.	4.0	14
134	The 31P NMR spectrum of InP. Journal of Physics and Chemistry of Solids, 1992, 53, 1073-1074.	4.0	14
135	Measurement of like-spin dipole couplings. Journal of Magnetic Resonance, 1991, 91, 254-260.	0.5	9
136	Generation of short, intense gradient pulses. Journal of Magnetic Resonance, 1991, 94, 370-375.	0.5	15
137	Enhancement of nuclear-spin cross-relaxation in metal-hydrogen systems. Physical Review B, 1991, 44, 11759-11766.	3.2	9
138	Nuclear-magnetic-resonance determination of the mechanism of molecular reorientation in solid N ₂ O. Physical Review B, 1991, 44, 9295-9300.	3.2	8
139	New, compensated Carr-Purcell sequences. Journal of Magnetic Resonance, 1990, 89, 479-484.	0.5	290
140	Cyanide-orientation distribution by single-crystal NMR of K(CN) _x Br _{1-x} . Physical Review B, 1990, 41, 6234-6239.	3.2	8
141	Molecular motion in solid H ₂ at high pressures. Physical Review B, 1989, 40, 12492-12498.	3.2	24
142	CO/N ₂ /Ar orientational glass: magnetic resonance. Canadian Journal of Chemistry, 1988, 66, 680-685.	1.1	9
143	NMR in a diamond anvil cell. Review of Scientific Instruments, 1987, 58, 415-417.	1.3	54
144	Glassy thermal anomalies due to dipolar reorientations? Specific heat of N ₂ -Ar-CO alloys. Physical Review Letters, 1987, 59, 1317-1320.	7.8	31

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145	Flow velocity measurement with ac gradients. Magnetic Resonance in Medicine, 1987, 4, 274-281.	3.0	12
146	NMR in high-pressure phases of solid NH ₃ and ND ₃ . Physical Review B, 1986, 33, 14-21.	3.2	12
147	Orientalional Freezing in KCN-KBr Studied by Magnetic Resonance. Physical Review Letters, 1986, 56, 2284-2287.	7.8	21
148	Anisotropic diffusion in benzene: C ¹³ NMR study. Physical Review B, 1985, 32, 7076-7082.	3.2	24
149	Critical proton and deuteron spin-lattice relaxation at the phase transition in p-terphenyl. Physical Review B, 1985, 31, 4388-4393.	3.2	18
150	Combined translational-rotational jumps in solid ¹² C- ¹³ CO. Physical Review B, 1984, 30, 24-31.	3.2	25
151	Combined translation-rotation jumps in solid carbon dioxide. Journal of Chemical Physics, 1984, 81, 6064-6068.	3.0	14
152	Rotations in ¹² N ₂ and ¹⁴ N ₂ : Magnetic resonance comparison. Physical Review B, 1984, 30, 4905-4908.	3.2	7
153	NMR study of molecular motions in cyclohexanol, a glass-forming rotor crystal. Journal of Chemical Physics, 1984, 80, 5851-5858.	3.0	28
154	Molecular rotations in CO/N ₂ /Ar quadrupole glass: Dielectric study. Solid State Communications, 1984, 49, 177-182.	1.9	21
155	Temperature-jump NMR: Molecular twisting at the phase transition in para-terphenyl. Physical Review B, 1984, 30, 1133-1137.	3.2	28
156	CO/N ₂ solid solutions: Head-tail reorientations. Journal of Chemical Physics, 1983, 78, 6901-6905.	3.0	8
157	NMR in quadrupole glasses and the spectral density of orientation fluctuations. Physical Review B, 1983, 28, 2848-2851.	3.2	8
158	NMR hole-burning: A study of slow molecular rotations in glassy glycerol. Journal of Chemical Physics, 1982, 77, 1771-1778.	3.0	66
159	Proton NMR study of the orientation and motion of H ₂ O in Na ⁺ alumina. Journal of Chemical Physics, 1982, 76, 6-9.	3.0	8
160	Head-tail disorder and reorientation in solid N ₂ O and CO: Dielectric study. Physical Review B, 1982, 26, 3370-3375.	3.2	58
161	Molecular H ₂ : Nuclear-spin-relaxation centers for protons in a-Si: H. Physical Review B, 1981, 24, 2285-2288.	3.2	89
162	Pulsed NMR of dilute ortho-H ₂ in solid Ne, Ar, Kr, and para-H ₂ . Physical Review B, 1979, 20, 2594-2616.	3.2	39

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163	Diffusion and nuclear magnetic relaxation of H_2 in rare-gas liquids. <i>Physical Review B</i> , 1979, 19, 20-31.	3.2	8
164	ESR of transient radicals during pyrolysis of fluids. <i>Journal of the American Chemical Society</i> , 1979, 101, 4312-4319.	13.7	61
165	FET Q switch for pulsed NMR. <i>Review of Scientific Instruments</i> , 1977, 48, 359-361.	1.3	25
166	Low-noise circuitry for low-temperature NMR and SQUIDs. <i>Review of Scientific Instruments</i> , 1977, 48, 1219-1220.	1.3	7
167	Magnetic resonance signal-to-noise calculation: direct vs lock-in recording. <i>Review of Scientific Instruments</i> , 1977, 48, 444-448.	1.3	2
168	A transmission oscillator ultrasonic spectrometer. <i>Review of Scientific Instruments</i> , 1974, 45, 358-360.	1.3	20