Cynthia J Jameson

List of Publications by Year
in descending order

185 papers	6,281 citations	81900 39 h-index	95266 68 g-index
200 all docs	200 docs citations	200 times ranked	2505 citing authors

#	Article	IF	Citations
1	Understanding Separation Mechanisms of Monoatomic Gases, Such as Kr and Xe, via DD3R Zeolite Membrane Using Molecular Dynamics. Thermo, 2022, 2, 56-73.	1.3	1
2	Novel methods to characterise spatial distribution and enantiomeric composition of usnic acids in four Icelandic lichens. Phytochemistry, 2022, 200, 113210.	2.9	4
3	Using Molecular Simulations to Facilitate Design and Operation of Membrane-Based and Chiral Separation Processes. Industrial & Engineering Chemistry Research, 2022, 61, 15554-15566.	3.7	2
4	Molecular dynamics simulations of chiral recognition of drugs by amylose polymers coated on amorphous silica. Molecular Physics, 2021, 119, .	1.7	5
5	Molecular dynamics simulations of enantiomeric separations as an interfacial process in <scp>HPLC</scp>. AICHE Journal, 2021, 67, e17143.	3.6	8
6	Interfacial Thermal Conductivity and Its Anisotropy. Processes, 2020, 8, 27.	2.8	2
7	Modeling Enantiomeric Separations as an Interfacial Process Using Amylose Tris(3,5-dimethylphenyl) Tj ETQq1 1 0.784314 rgBT /Over	3.5	23
8	Molecular dynamics simulations of the chiral recognition mechanism for a polysaccharide chiral stationary phase in enantiomeric chromatographic separations. Molecular Physics, 2019, 117, 3569-3588.	1.7	25
9	Molecular-Level â€œObservationsâ€•of the Behavior of Gold Nanoparticles in Aqueous Solution and Interacting with a Lipid Bilayer Membrane. Methods in Molecular Biology, 2019, 2000, 303-359.	0.9	2
10	Molecular Dynamics Studies of Nanoparticle Transport Through Model Lipid Membranes. , 2019, , 109-165.		4
11	Computational Molecular Modeling of Transport Processes in Nanoporous Membranes. Processes, 2018, 6, 124.	2.8	17
12	Molecular dynamics simulations reveal how characteristics of surface and permeant affect permeation events at the surface of soft matter. Molecular Simulation, 2017, 43, 439-466.	2.0	10
13	Rotational behaviour of PEGylated gold nanorods in a lipid bilayer system. Molecular Physics, 2017, 115, 1122-1143.	1.7	13
14	Simulated Permeation and Characterization of PEGylated Gold Nanoparticles in a Lipid Bilayer System. Langmuir, 2016, 32, 7541-7555.	3.5	21
15	Using Molecular Simulations To Develop Reliable Design Tools and Correlations for Engineering Applications of Aqueous Electrolyte Solutions. Journal of Chemical & Engineering Data, 2016, 61, 1578-1584.	1.9	7
16	Surface-Functionalized Nanoparticle Permeation Triggers Lipid Displacement and Water and Ion Leakage. Langmuir, 2015, 31, 1074-1085.	3.5	33
17	Theoretical and physical aspects of nuclear shielding. Nuclear Magnetic Resonance, 2015, , 46-75.	0.2	6
18	Transport of Vanadium and Oxovanadium Ions Across Zeolite Membranes: A Molecular Dynamics Study. Journal of Physical Chemistry C, 2014, 118, 23803-23810.	3.1	27

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19	Chapter 2. Theoretical and physical aspects of nuclear shielding. Nuclear Magnetic Resonance, 2014, , 49-80.	0.2	0
20	Role of surface ligands in nanoparticle permeation through a model membrane: a coarse-grained molecular dynamics simulations study. Molecular Physics, 2012, 110, 2181-2195.	1.7	33
21	Recent Advances in Nuclear Shielding Calculations. Annual Reports on NMR Spectroscopy, 2012, 77, 1-80.	1.5	19
22	Nanoparticle Permeation Induces Water Penetration, Ion Transport, and Lipid Flip-Flop. Langmuir, 2012, 28, 16989-17000.	3.5	39
23	Theoretical and physical aspects of nuclear shielding. Nuclear Magnetic Resonance, 2012, , 38-55.	0.2	3
24	Permeation of nanocrystals across lipid membranes. Molecular Physics, 2011, 109, 1511-1526.	1.7	33
25	Theoretical and physical aspects of nuclear shielding. Nuclear Magnetic Resonance, 2011, , 37-54.	0.2	1
26	Diffusion of gases across lipid membranes with OmpA channel: a molecular dynamics study. Molecular Physics, 2010, 108, 1569-1581.	1.7	12
27	Exploring gas permeability of lipid membranes using coarse-grained molecular dynamics. Molecular Simulation, 2009, 35, 953-961.	2.0	16
28	Prediction of Henry's constants of xenon in cyclo-alkanes from molecular dynamics simulations. Fluid Phase Equilibria, 2008, 269, 73-79.	2.5	8
29	Molecular dynamics simulation of ion selectivity process in nanopores. Molecular Simulation, 2008, 34, 169-175.	2.0	40
30	Measuring chirality in NMR in the presence of a static electric field. Journal of Chemical Physics, 2008, 128, 154502.	3.0	12
31	Molecular Dynamics Simulations of Xe Chemical Shifts and Solubility in n-Alkanes. Journal of Physical Chemistry C, 2007, 111, 15771-15783.	3.1	12
32	Diastereomeric Xe Chemical Shifts in Tethered Cryptophane Cages. Journal of the American Chemical Society, 2006, 128, 16980-16988.	13.7	34
33	Intermolecular hyperfine tensor for Xe@O2. Density and temperature dependence of Xe chemical shifts in oxygen gas. Molecular Physics, 2006, 104, 1217-1225.	1.7	6
34	Molecular reorientation of CD4 in gas-phase mixtures. Magnetic Resonance in Chemistry, 2006, 44, 241-248.	1.9	4
35	A note on chirality in NMR spectroscopy. Journal of Chemical Physics, 2006, 124, 096101.	3.0	29
36	Ion permeation dynamics in carbon nanotubes. Journal of Chemical Physics, 2006, 125, 084713.	3.0	52

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37	Xe nuclear magnetic resonance line shapes in channels decorated with paramagnetic centers. Journal of Chemical Physics, 2006, 125, 114708.	3.0	7
38	Nuclear magnetic shielding and chirality IV. The odd and even character of the shielding response to a chiral potential. Journal of Chemical Physics, 2004, 120, 3277-3283.	3.0	17
39	The Xe shielding surfaces for Xe interacting with linear molecules and spherical tops. Journal of Chemical Physics, 2004, 121, 2151-2157.	3.0	19
40	The nuclear magnetic resonance line shapes of Xe in the cages of clathrate hydrates. Journal of Chemical Physics, 2004, 120, 10200-10214.	3.0	34
41	Molecular dynamics averaging of Xe chemical shifts in liquids. Journal of Chemical Physics, 2004, 121, 9581-9592.	3.0	30
42	Xe NMR lineshapes in channels of peptide molecular crystals. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 17924-17929.	7.1	63
43	The chemical shifts of Xe in the cages of clathrate hydrate Structures I and II. Journal of Chemical Physics, 2004, 120, 1560-1571.	3.0	33
44	Xe Chemical Shift Tensor in Silicalite and SSZ-24. Journal of the American Chemical Society, 2004, 126, 10450-10456.	13.7	16
45	Is there a spatial correlation in the distribution of adsorbed atoms in the cages of a zeolite?. Molecular Physics, 2004, 102, 723-727.	1.7	4
46	On using the NMR chemical shift to assess polarâ€“nonpolar cross-intermolecular interactions. Chemical Physics Letters, 2003, 380, 556-562.	2.6	6
47	Theoretical calculations of the Xe chemical shifts in cryptophane cages. Journal of Chemical Physics, 2003, 119, 12231-12244.	3.0	39
48	Calculation of the 129Xe chemical shift in Xe@C60. Journal of Chemical Physics, 2003, 118, 9987-9989.	3.0	18
49	Nuclear magnetic shielding and chirality. II. The shielding tensor of a naked spin in Ne helices. Journal of Chemical Physics, 2003, 119, 2691-2693.	3.0	7
50	The [sup 129]Xe nuclear shielding tensor surfaces for Xe interacting with rare gas atoms. Journal of Chemical Physics, 2003, 118, 2575.	3.0	34
51	Nuclear magnetic shielding and chirality. I. The shielding tensor of Xe interacting with Ne helices. Journal of Chemical Physics, 2003, 119, 2685-2690.	3.0	11
52	Nuclear magnetic shielding and chirality. III. The single electron on a helix model. Journal of Chemical Physics, 2003, 119, 2694-2701.	3.0	8
53	Calculations of Xe line shapes in model nanochannels: Grand canonical Monte Carlo averaging of the 129Xe nuclear magnetic resonance chemical shift tensor. Journal of Chemical Physics, 2002, 116, 8912-8929.	3.0	33
54	Xe nuclear magnetic resonance line shapes in nanochannels. Journal of Chemical Physics, 2002, 116, 3805-3821.	3.0	67

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55	Adsorption of xenon and CH4 mixtures in zeolite NaA. 129Xe NMR and grand canonical Monte Carlo simulations. Journal of Chemical Physics, 2000, 112, 323-334.	3.0	19
56	Application of Nuclear Shielding Surfaces to the Fundamental Understanding of Adsorption and Diffusion in Microporous Solids. ACS Symposium Series, 1999, , 335-348.	0.5	1
57	Recent Advances in Nuclear Magnetic Shielding Theory and Computational Methods. ACS Symposium Series, 1999, , 1-23.	0.5	1
58	Reply to `conventions for tensor quantities used in nuclear magnetic resonance, nuclear quadrupole resonance and electron spin resonance spectroscopy. Solid State Nuclear Magnetic Resonance, 1998, 11, 265-268.	2.3	31
59	A classical dynamics study of the anisotropic interactions in NNOâ€“Ar and NNOâ€“Kr systems: Comparison with transport and relaxation data. Journal of Chemical Physics, 1998, 109, 10238-10243.	3.0	2
60	Quadrupolar spin relaxation of 14N in NNO in collisions with various molecules. Journal of Chemical Physics, 1998, 109, 10227-10237.	3.0	5
61	Distribution and Xe129 NMR chemical shifts of Xen clusters in the alpha cages of zeolite AgA. Journal of Chemical Physics, 1997, 107, 4373-4383.	3.0	16
62	The129Xe nuclear shielding surfaces for Xe interacting with linear molecules CO2, N2, and CO. Journal of Chemical Physics, 1997, 107, 4253-4270.	3.0	32
63	Anisotropic Xe Chemical Shifts in Zeolites. The Role of Intra- and Intercrystallite Diffusion. Journal of Physical Chemistry B, 1997, 101, 8418-8437.	2.6	50
64	Competitive adsorption of xenon and krypton in zeolite NaA: 129Xe nuclear magnetic resonance studies and grand canonical Monte Carlo simulations. Journal of Chemical Physics, 1997, 107, 4364-4372.	3.0	88
65	The role of polarization of Xe by di- and monovalent cations in 129Xe NMR studies in zeolite A. Solid State Nuclear Magnetic Resonance, 1997, 9, 277-301.	2.3	14
66	UNDERSTANDING NMR CHEMICAL SHIFTS. Annual Review of Physical Chemistry, 1996, 47, 135-169.	10.8	101
67	Competitive adsorption of xenon and argon in zeolite NaA. 129Xe nuclear magnetic resonance studies and grand canonical Monte Carlo simulations. Journal of Chemical Physics, 1996, 104, 1709-1728.	3.0	41
68	Abinitiostudy of van der Waals interaction of CO2with Ar. Journal of Chemical Physics, 1996, 104, 6569-6576.	3.0	70
69	A comparative study of CO2â€“Ar potential surfaces. Journal of Chemical Physics, 1996, 105, 6787-6806.	3.0	34
70	129Xe Magic-angle spinning spectra of xenon in zeolite NaA direct observation of mixed clusters of co-adsorbed species. Solid State Nuclear Magnetic Resonance, 1995, 4, 1-12.	2.3	29
71	Xen clusters in the alpha cages of zeolite KA. Journal of Chemical Physics, 1995, 103, 8811-8820.	3.0	26
72	N2â€“Kr interaction: A multiproperty analysis. Journal of Chemical Physics, 1995, 102, 5752-5760.	3.0	16

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73	Ab initiostudies of the nuclear magnetic resonance chemical shifts of a rare gas atom in a zeolite. Journal of Chemical Physics, 1995, 103, 3885-3894.	3.0	20
74	Classical trajectories on simple model potentials for N2â€“Kr: Comparison with relaxation and other data. Journal of Chemical Physics, 1995, 102, 4431-4446.	3.0	18
75	Grand canonical Monte Carlo simulations of the distribution and chemical shifts of xenon in the cages of zeolite NaA. I. Distribution and 129Xe chemical shifts. Journal of Chemical Physics, 1994, 100, 5965-5976.	3.0	103
76	Grand canonical Monte Carlo simulations of the distribution and chemical shifts of xenon in the cages of zeolite NaA. II. Structure of the adsorbed fluid. Journal of Chemical Physics, 1994, 100, 5977-5987.	3.0	58
77	Cageâ€toâ€cage migration rates of Xe atoms in zeolite NaA from magnetization transfer experiments and simulations. Journal of Chemical Physics, 1994, 101, 1775-1786.	3.0	43
78	The NMR Chemical Shift: Insight into Structure and Environment. Annual Reports on NMR Spectroscopy, 1994, 29, 1-69.	1.5	50
79	Response to â€˜â€˜Comment on â€˜14N spin relaxation studies of N2in buffer gases. Cross sections for molecular reorientation and rotational energy transferâ€™â€‰â€™â€™ [J. Chem. Phys.100, 1775 (1994)]. Journal of Chemical Physics, 1994, 100, 1777-1778.	3.0	1
80	The nuclear magnetic shielding as a function of internuclear separation. Journal of Chemical Physics, 1993, 98, 2208-2217.	3.0	48
81	The Nuclear Shielding Surface: The Shielding as a Function of Molecular Geometry and Intermolecular Separation. , 1993, , 95-116.		16
82	Nuclear magnetic resonance studies of xenon clusters in zeolite NaA. Journal of Chemical Physics, 1992, 96, 1676-1689.	3.0	97
83	129Xe nuclear magnetic resonance studies of xenon in zeolite CaA. Journal of Chemical Physics, 1992, 96, 1690-1697.	3.0	31
84	Abinitiocalculations of the intermolecular chemical shift in nuclear magnetic resonance in the gas phase and for adsorbed species. Journal of Chemical Physics, 1992, 97, 417-434.	3.0	97
85	Gas-phase NMR spectroscopy. Chemical Reviews, 1991, 91, 1375-1395.	47.7	175
86	The31P shielding in phosphine. Journal of Chemical Physics, 1991, 95, 9042-9053.	3.0	65
87	Carbon-13 and proton spin relaxation in methane in the gas phase. The Journal of Physical Chemistry, 1991, 95, 1092-1098.	2.9	26
88	Molecular reorientation of nearly classical spherical tops: selenium hexafluoride and tellurium hexafluoride. The Journal of Physical Chemistry, 1991, 95, 2982-2988.	2.9	3
89	Reply to a comment on: Angular momentum relaxation in binary collisions. Comparison of cross sections. Journal of Chemical Physics, 1991, 94, 7565-7565.	3.0	0
90	14N spin relaxation studies of N2in buffer gases. Cross sections for molecular reorientation and rotational energy transfer. Journal of Chemical Physics, 1991, 95, 5799-5808.	3.0	25

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91	19F nuclear spin relaxation by intermolecular magnetic dipole coupling. CF4and SiF4in oxygen gas. Journal of Chemical Physics, 1991, 94, 172-178.	3.0	6
92	Nuclear magnetic shielding of nitrogen in ammonia. Journal of Chemical Physics, 1991, 95, 1069-1079.	3.0	57
93	Rovibrational Averaging of Molecular Electronic Properties. , 1991, , 457-519.		8
94	Deuterium isotope effects and bonding in carbonylvanadium complexes. Magnetic Resonance in Chemistry, 1990, 28, 138-144.	1.9	5
95	Absolute shielding scale for 31P from gas-phase NMR studies. Chemical Physics Letters, 1990, 167, 575-582.	2.6	168
96	Angular momentum relaxation in binary collisions. Comparison of cross sections. Journal of Chemical Physics, 1990, 93, 3237-3244.	3.0	20
97	Proton relaxation in methane with oxygen gas. The Journal of Physical Chemistry, 1989, 93, 634-638.	2.9	5
98	Absolute shielding scale for 29Si. Chemical Physics Letters, 1988, 149, 300-305.	2.6	48
99	Isotope effects on proton chemical shifts and coupling constants in the ammonium ions 15, 14 NH4-nDn+. Chemical Physics Letters, 1988, 143, 471-476.	2.6	29
100	Effects of rovibrational averaging on the niobium-93 chemical shift in the hexacarbonylniobate(1-) ion, based on NMR and vibrational spectra. Inorganic Chemistry, 1988, 27, 3490-3495.	4.0	13
101	Nuclear spin relaxation by intermolecular magnetic dipole coupling in the gas phase.129Xe in oxygen. Journal of Chemical Physics, 1988, 89, 4074-4081.	3.0	89
102	Effective collision cross sections for SF6from nuclear magnetic relaxation. Journal of Chemical Physics, 1988, 88, 7448-7452.	3.0	17
103	Relaxation cross sections for the rotational angular momentum vector in CF4. Journal of Chemical Physics, 1988, 89, 866-870.	3.0	9
104	Cross sections for the anisotropic interaction of NNO with various molecules. Journal of Chemical Physics, 1988, 89, 5642-5649.	3.0	13
105	Competition of intra- and intermolecular spin relaxation mechanisms for SF6 in oxygen gas. The Journal of Physical Chemistry, 1988, 92, 5937-5941.	2.9	5
106	Spin-Spin Coupling. , 1987, , 89-131.		59
107	15N spinâ€relaxation studies of N2in buffer gases. Cross sections for molecular reorientation and rotational energy transfer. Journal of Chemical Physics, 1987, 86, 6833-6838.	3.0	29
108	Cross sections for transfer of rotational angular momentum in CO2from13C spin relaxation studies in the gas phase. Journal of Chemical Physics, 1987, 86, 2717-2722.	3.0	27

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109	Isotope and temperature dependence of transition-metal shielding in complexes of the type M(XY)6. Journal of the American Chemical Society, 1987, 109, 2589-2594.	13.7	64
110	Vibrational analysis and mean bond displacements in M(XY)6 complexes. Journal of the American Chemical Society, 1987, 109, 2586-2588.	13.7	10
111	Concurrent 19F and 77Se or 19F and 125Te NMR T1 measurements for determination of 77Se and 125Te absolute shielding scales. Chemical Physics Letters, 1987, 135, 254-259.	2.6	53
112	Gas-phase 13C chemical shifts in the zero-pressure limit: refinements to the absolute shielding scale for 13C. Chemical Physics Letters, 1987, 134, 461-466.	2.6	398
113	Fluorine. , 1987, , 437-446.		7
114	The Parameters of NMR Spectroscopy. , 1987, , 3-50.		10
115	The Chemical Shift. , 1987, , 51-88.		50
116	Isotope effects on spin-spin coupling. Journal of the American Chemical Society, 1986, 108, 2497-2503.	13.7	55
117	Anabinitiostudy of the molecular electric polarizabilities of N2, HCN, acetylene, and diacetylene. Journal of Chemical Physics, 1986, 85, 3432-3436.	3.0	58
118	Quadrupolar spin relaxation due to electric field gradients induced by vibrations and collisions. Molecular Physics, 1986, 57, 553-571.	1.7	11
119	Nuclear spin relaxation studies of the spinâ€rotation interaction of 13C in CO in various buffer gases. Journal of Chemical Physics, 1986, 85, 697-700.	3.0	12
120	Temperature dependence of77Se,125Te, and19F shielding and Mâ€induced19F isotope shifts in MF6molecules. Journal of Chemical Physics, 1986, 85, 5480-5483.	3.0	22
121	Rovibrational averaging of nuclear shielding in MX6â€type molecules. Journal of Chemical Physics, 1986, 85, 5484-5492.	3.0	17
122	Theoretical Aspects of Isotope Effects on Nuclear Shielding. Annual Reports on NMR Spectroscopy, 1986, , 1-78.	1.5	106
123	Correlation between the19F absolute nuclear magnetic shielding and its temperature dependence in the fluoromethanes. Molecular Physics, 1985, 54, 73-79.	1.7	28
124	Variation of nuclear magnetic shielding of 19F with intermolecular interactions and rovibrational motion in fluoroethanes. Journal of Magnetic Resonance, 1985, 62, 209-217.	0.5	5
125	The temperature dependence of the19F resonance in isolated F2C=CFX molecules. Journal of Chemical Physics, 1985, 83, 5420-5424.	3.0	4
126	Deuteriumâ€induced 19F isotope shifts in fluoroethenes. Journal of Chemical Physics, 1985, 83, 5434-5441.	3.0	21

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127	The mean bond displacements and the derivatives of 19F shielding in CF2=CFX and CF2=CH2. Journal of Chemical Physics, 1985, 83, 5425-5433.	3.0	15
128	Systematic trends in the variation of19F nuclear magnetic shielding with bond extension in halomethanes. Molecular Physics, 1985, 55, 383-395.	1.7	28
129	Rovibrational averaging of molecular magnetic properties of CH3F, CH2F2, and CHF3. Molecular Physics, 1985, 56, 1083-1095.	1.7	17
130	Rovibrational effects on nuclear shielding of apex nuclei in bent molecules. Journal of Chemical Physics, 1985, 82, 4595-4606.	3.0	23
131	Applications of the reduced isotope shift to general estimation of one-bond isotope shifts in NMR. Journal of the American Chemical Society, 1985, 107, 4158-4161.	13.7	24
132	The effect of anharmonic vibration and centrifugal distortion on nuclear shielding in linear triatomic molecules: NNO and CO2. Journal of Chemical Physics, 1984, 81, 2556-2561.	3.0	23
133	The NMR isotope shift in polyatomic molecules. Estimation of the dynamic factors. Journal of Chemical Physics, 1984, 81, 4300-4305.	3.0	38
134	The mean bond displacements in O=CF2 and their effect on 19F nuclear magnetic shielding. Journal of Chemical Physics, 1984, 81, 4915-4921.	3.0	12
135	19F nuclear magnetic shielding scale from gas phase studies. II. Journal of Chemical Physics, 1984, 81, 5266-5267.	3.0	50
136	Variation of nuclear magnetic shielding with intermolecular interactions and rovibrational motion. VII. 19F in CF2H2, CF2HCl, CFHCl2, CF2Cl2, and CFCl3. Journal of Chemical Physics, 1984, 81, 85-90.	3.0	17
137	The additivity of NMR isotope shifts. Journal of Chemical Physics, 1984, 81, 4293-4299.	3.0	47
138	The dependence of the13C and the1H nuclear magnetic shielding on bond extension in methane. Journal of Chemical Physics, 1984, 81, 4288-4292.	3.0	36
139	19F NMR chemical shifts due to intermolecular interactions in F2C=CFX. A quantitative measure of the nuclear site effect. Journal of Chemical Physics, 1984, 81, 2313-2317.	3.0	19
140	Variation of nuclear magnetic shielding with intermolecular interactions and rovibrational motion. IX. 19F in F2C=CH2 and F2C=CF2. Journal of Chemical Physics, 1984, 81, 2571-2573.	3.0	11
141	Variation of nuclear magnetic shielding with intermolecular interactions and rovibrational motion. VIII. 19F in CF3X. Journal of Chemical Physics, 1984, 81, 1198-1202.	3.0	11
142	Intermolecular effects on1H,13C, and15N nuclear magnetic shielding in HCN. Journal of Chemical Physics, 1982, 76, 152-162.	3.0	23
143	Temperature dependence of the15N and1H nuclear magnetic shielding in NH3. Journal of Chemical Physics, 1981, 74, 1608-1612.	3.0	43
144	Variation of chemical shielding with intermolecular interaction and rovibrational motion. V.15N in N2. Journal of Chemical Physics, 1981, 74, 853-856.	3.0	35

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145	Variation of chemical shielding with intermolecular interactions and rovibrational motion. VI. 19F in SF4 and COF2. Journal of Chemical Physics, 1981, 74, 1613-1617.	3.0	6
146	15N nuclear magnetic shielding scale from gas phase studies. Journal of Chemical Physics, 1981, 74, 81-88.	3.0	179
147	Effects of vibrational anharmonicity on19F nuclear resonance in SF6. Molecular Physics, 1980, 40, 999-1003.	1.7	7
148	Molecular electronic property density functions: The nuclear magnetic shielding density. Journal of Chemical Physics, 1980, 73, 5684-5692.	3.0	121
149	19F nuclear magnetic shielding scale from gas phase studies. Journal of Chemical Physics, 1980, 73, 6013-6020.	3.0	120
150	Effects of intermolecular interactions and intramolecular dynamics on nuclear resonance in nitrogen trifluoride, phosphorus trifluoride, phosphoryl fluoride, and phosphorus pentafluoride. The Journal of Physical Chemistry, 1979, 83, 3372-3378.	2.9	22
151	Gasâ€toâ€liquid shifts in NMR and the validity of the second virial coefficient of chemical shielding. Journal of Chemical Physics, 1979, 70, 5916-5917.	3.0	14
152	Nuclear magnetic shielding density. The Journal of Physical Chemistry, 1979, 83, 3366-3371.	2.9	66
153	Isotope effects in 31P NMR of phosphine. Journal of Magnetic Resonance, 1978, 32, 455-457.	0.5	12
154	Effect of centrifugal distortion and anharmonic vibration on the 19F chemical shielding in CH3F. Journal of Chemical Physics, 1978, 69, 1655-1660.	3.0	12
155	Variation of chemical shielding with intermolecular interactions and rovibrational motion. II. 15N and 13C nuclei in NNO and CO2. Journal of Chemical Physics, 1978, 68, 2861.	3.0	28
156	Second virial coefficient of 129Xe chemical shielding in Xe interacting with CO and N2 molecules. Journal of Chemical Physics, 1978, 68, 3943-3944.	3.0	18
157	Variation of chemical shielding with intermolecular interactions and rovibrational motion. III. 31P nucleus in PH3. Journal of Chemical Physics, 1978, 68, 2868.	3.0	13
158	Variation of chemical shielding with intermolecular interactions and rovibrational motion. IV. 11B and 13C nuclei in BF3 and CH4. Journal of Chemical Physics, 1978, 68, 2873.	3.0	31
159	Effect of centrifugal distortion and anharmonic vibration on the chemical shielding of 31P in PH3 and PD3. Journal of Chemical Physics, 1978, 69, 615-621.	3.0	5
160	Temperature dependence of the chemical shielding of 19F nuclei in isolated CF3H, CF3Cl, CF3Br, and CF3CF3 molecules. Journal of Chemical Physics, 1978, 69, 1318.	3.0	12
161	Variation of chemical shielding with internal coordinates. Applications to diatomic molecules. Journal of Chemical Physics, 1977, 66, 4977-4982.	3.0	73
162	Variation of chemical shielding with intermolecular interactions and rovibrational motion. I. 19F nuclei in BF3, CF4, SiF4, and SF6. Journal of Chemical Physics, 1977, 67, 2771.	3.0	37

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163	The temperature dependence of chemical shielding in diatomic molecules: CO, F2, ClF, HBr, and HCl. Journal of Chemical Physics, 1977, 67, 2821.	3.0	26
164	The isotope shift in NMR. Journal of Chemical Physics, 1977, 66, 4983-4988.	3.0	101
165	Effect of interactions with nonspherical molecules on129Xe magnetic shielding. Journal of Chemical Physics, 1977, 66, 5226-5230.	3.0	19
166	Dependence of 19F chemical shielding on internal coordinates in CF4, SiF4, and BF3. Journal of Chemical Physics, 1977, 67, 2814.	3.0	39
167	Computer-enriched modules for introductory chemistry. Journal of Chemical Education, 1977, 54, 238.	2.3	2
168	Contact interaction between129Xe and nitric oxide. Journal of Chemical Physics, 1976, 65, 3397-3400.	3.0	16
169	Second virial coefficient of129Xe chemical shielding in mixtures of Xe with spherical top molecules CH4, CF4, and SiF4. Journal of Chemical Physics, 1976, 65, 3401-3406.	3.0	27
170	129Xe contact shift in oxygen gas. Molecular Physics, 1975, 29, 1919-1927.	1.7	20
171	Absolute temperature dependence of chemical shielding of some reference nuclei. Journal of Magnetic Resonance, 1975, 19, 385-392.	0.5	22
172	Temperature and density dependence of 129Xe chemical shift in rare gas mixtures. Journal of Chemical Physics, 1975, 62, 4224-4226.	3.0	70
173	An empirical chemical shielding function for interacting atoms from direct inversion of NMR data. Journal of Chemical Physics, 1975, 63, 5296-5301.	3.0	33
174	Absolute temperature dependence of chemical shifts of lock solvents. Tetramethylsilane, hexafluorobenzene, and 1,4-dibromotetrafluorobenzene. Journal of the American Chemical Society, 1973, 95, 8559-8561.	13.7	33
175	Temperature and density dependence of 129Xe chemical shift in xenon gas. Journal of Chemical Physics, 1973, 59, 4540-4546.	3.0	156
176	Quantum-mechanical treatment of the electronic structure and geometry of hydrogen cyanide dimer. Journal of Theoretical Biology, 1972, 35, 247-257.	1.7	13
177	Density dependence of129Xe N.M.R. chemical shifts in O2and NO. Molecular Physics, 1971, 20, 957-959.	1.7	27
178	On the spin-spin coupling between13C and H separated by two bonds. Molecular Physics, 1970, 18, 491-504.	1.7	38
179	Density Dependence of 129Xe Chemical Shifts in Mixtures of Xenon and Other Gases. Journal of Chemical Physics, 1970, 53, 2310-2321.	3.0	189
180	Systematic Trends in the Coupling Constants of Directly Bonded Nuclei. Journal of Chemical Physics, 1969, 51, 2790-2803.	3.0	103

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181	Signs of 1KPC and other coupling constants in phosphorus and selenium compounds. Journal of the American Chemical Society, 1969, 91, 6232-6234.	13.7	39
182	Theoretical and physical aspects of nuclear shielding. Nuclear Magnetic Resonance, 0, , 51-67.	0.2	2
183	Theoretical and physical aspects of nuclear shielding. Nuclear Magnetic Resonance, 0, , 1-17.	0.2	5
184	Theoretical and physical aspects of nuclear shielding. Nuclear Magnetic Resonance, 0, , 1-30.	0.2	2
185	Theoretical and physical aspects of nuclear shielding. Nuclear Magnetic Resonance, 0, , 42-76.	0.2	7