

Bertil Halle

List of Publications by Year in descending order

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158
papers

9,839
citations

32410

55
h-index

45040

94
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160
all docs

160
docs citations

160
times ranked

7691
citing authors

#	ARTICLE	IF	CITATIONS
1	The spatial range of protein hydration. <i>Journal of Chemical Physics</i> , 2018, 148, 215104.	1.2	29
2	Compressibility of the protein-water interface. <i>Journal of Chemical Physics</i> , 2018, 148, 215102.	1.2	13
3	How proteins modify water dynamics. <i>Journal of Chemical Physics</i> , 2018, 148, 215103.	1.2	41
4	The geometry of protein hydration. <i>Journal of Chemical Physics</i> , 2018, 148, 215101.	1.2	38
5	Nuclear magnetic relaxation by the dipolar EMOR mechanism: Multi-spin systems. <i>Journal of Chemical Physics</i> , 2017, 147, 084203.	1.2	1
6	Nuclear magnetic relaxation by the dipolar EMOR mechanism: Three-spin systems. <i>Journal of Chemical Physics</i> , 2016, 145, 034202.	1.2	1
7	Nuclear magnetic relaxation by the dipolar EMOR mechanism: General theory with applications to two-spin systems. <i>Journal of Chemical Physics</i> , 2016, 144, 084202.	1.2	2
8	Longitudinal relaxation in dipole-coupled homonuclear three-spin systems: Distinct correlations and odd spectral densities. <i>Journal of Chemical Physics</i> , 2015, 143, 234201.	1.2	4
9	Time Scales of Conformational Gating in a Lipid-Binding Protein. <i>Journal of Physical Chemistry B</i> , 2015, 119, 7957-7967.	1.2	8
10	How amide hydrogens exchange in native proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 10383-10388.	3.3	57
11	Structure and kinetics of chemically cross-linked protein gels from small-angle X-ray scattering. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 4002.	1.3	7
12	Weak Self-Interactions of Globular Proteins Studied by Small-Angle X-ray Scattering and Structure-Based Modeling. <i>Journal of Physical Chemistry B</i> , 2014, 118, 10111-10119.	1.2	20
13	Reply to "Comment on "Hydration and Mobility of Trehalose in Aqueous Solution". <i>Journal of Physical Chemistry B</i> , 2014, 118, 10806-10812.	1.2	13
14	Nuclear magnetic relaxation induced by exchange-mediated orientational randomization: Longitudinal relaxation dispersion for a dipole-coupled spin-1/2 pair. <i>Journal of Chemical Physics</i> , 2013, 139, 144203.	1.2	6
15	Analysis of Protein Dynamics Simulations by a Stochastic Point Process Approach. <i>Journal of Chemical Theory and Computation</i> , 2013, 9, 2838-2848.	2.3	10
16	Transient Access to the Protein Interior: Simulation versus NMR. <i>Journal of the American Chemical Society</i> , 2013, 135, 8735-8748.	6.6	57
17	Internal Water and Microsecond Dynamics in Myoglobin. <i>Journal of Physical Chemistry B</i> , 2013, 117, 14676-14687.	1.2	42
18	Mobility of Core Water in <i>Bacillus subtilis</i> Spores by 2H NMR. <i>Biophysical Journal</i> , 2013, 105, 2016-2023.	0.2	35

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19	Rotational dynamics in supercooled water from nuclear spin relaxation and molecular simulations. <i>Journal of Chemical Physics</i> , 2012, 136, 204505.	1.2	78
20	Hydration Dynamics of a Halophilic Protein in Folded and Unfolded States. <i>Journal of Physical Chemistry B</i> , 2012, 116, 3436-3444.	1.2	52
21	Nuclear magnetic relaxation induced by exchange-mediated orientational randomization: Longitudinal relaxation dispersion for spin $\langle i \rangle / \langle j \rangle = 1$. <i>Journal of Chemical Physics</i> , 2012, 137, 054503.	1.2	6
22	Hydration and Mobility of Trehalose in Aqueous Solution. <i>Journal of Physical Chemistry B</i> , 2012, 116, 9196-9207.	1.2	77
23	Structural dynamics of supercooled water from quasielastic neutron scattering and molecular simulations. <i>Journal of Chemical Physics</i> , 2011, 134, 144508.	1.2	162
24	Mechanism of $1\text{H} \leftrightarrow 14\text{N}$ cross-relaxation in immobilized proteins. <i>Journal of Magnetic Resonance</i> , 2010, 203, 257-273.	1.2	52
25	High water mobility on the ice-binding surface of a hyperactive antifreeze protein. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 10189.	1.3	52
26	The physical state of water in bacterial spores. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 19334-19339.	3.3	141
27	Slow Internal Protein Dynamics from Water ^1H Magnetic Relaxation Dispersion. <i>Journal of the American Chemical Society</i> , 2009, 131, 18214-18215.	6.6	19
28	Does the Dynamic Stokes Shift Report on Slow Protein Hydration Dynamics?. <i>Journal of Physical Chemistry B</i> , 2009, 113, 8210-8213.	1.2	113
29	Protein Cold Denaturation as Seen From the Solvent. <i>Journal of the American Chemical Society</i> , 2009, 131, 1025-1036.	6.6	76
30	Protein self-association in solution: The bovine β -lactoglobulin dimer and octamer. <i>Protein Science</i> , 2009, 12, 2404-2411.	3.1	120
31	The physical basis of model-free analysis of NMR relaxation data from proteins and complex fluids. <i>Journal of Chemical Physics</i> , 2009, 131, 224507.	1.2	92
32	Time scales of water dynamics at biological interfaces: peptides, proteins and cells. <i>Faraday Discussions</i> , 2009, 141, 131-144.	1.6	112
33	Internal Sodium Ions and Water Molecules in Guanine Quadruplexes: Magnetic Relaxation Dispersion Studies of $[\text{d}(\text{G3T4G3})_2]$ and $[\text{d}(\text{G4T4G4})_2]$. <i>Biochemistry</i> , 2008, 47, 12219-12229.	1.2	21
34	Dynamics at the Protein-Water Interface from ^{17}O Spin Relaxation in Deeply Supercooled Solutions. <i>Biophysical Journal</i> , 2008, 95, 2951-2963.	0.2	132
35	A dry ligand-binding cavity in a solvated protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 6296-6301.	3.3	94
36	Thermal Signature of Hydrophobic Hydration Dynamics. <i>Journal of the American Chemical Society</i> , 2008, 130, 10345-10353.	6.6	181

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37	Nanosecond to Microsecond Protein Dynamics Probed by Magnetic Relaxation Dispersion of Buried Water Molecules. <i>Journal of the American Chemical Society</i> , 2008, 130, 1774-1787.	6.6	96
38	Cell water dynamics on multiple time scales. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 6266-6271.	3.3	177
39	Hydrogen Exchange and Hydration Dynamics in Gelatin Gels. <i>Journal of Physical Chemistry B</i> , 2006, 110, 21551-21559.	1.2	34
40	Internal Water Molecules and Magnetic Relaxation in Agarose Gels. <i>Journal of the American Chemical Society</i> , 2006, 128, 4902-4910.	6.6	29
41	Molecular basis of water proton relaxation in gels and tissue. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 73-81.	1.9	36
42	Molecular theory of field-dependent proton spin-lattice relaxation in tissue. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 60-72.	1.9	53
43	Molecular origin of time-dependent fluorescence shifts in proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 13867-13872.	3.3	192
44	Protein Self-Association Induced by Macromolecular Crowding: A Quantitative Analysis by Magnetic Relaxation Dispersion. <i>Biophysical Journal</i> , 2005, 88, 2855-2866.	0.2	72
45	Biomolecular cryocrystallography: Structural changes during flash-cooling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 4793-4798.	3.3	190
46	Protein hydration dynamics in solution: a critical survey. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2004, 359, 1207-1224.	1.8	475
47	Accelerated Exchange of a Buried Water Molecule in Selectively Disulfide-Reduced Bovine Pancreatic Trypsin Inhibitor. <i>Biochemistry</i> , 2004, 43, 12020-12027.	1.2	11
48	Competitive Na ⁺ and Rb ⁺ Binding in the Minor Groove of DNA. <i>Journal of the American Chemical Society</i> , 2004, 126, 6739-6750.	6.6	80
49	Stabilization of Internal Charges in a Protein: Water Penetration or Conformational Change?. <i>Biophysical Journal</i> , 2004, 87, 3982-3994.	0.2	50
50	Dynamics of Protein and Peptide Hydration. <i>Journal of the American Chemical Society</i> , 2004, 126, 102-114.	6.6	215
51	Water and urea interactions with the native and unfolded forms of a β^2 -barrel protein. <i>Protein Science</i> , 2003, 12, 2768-2781.	3.1	33
52	Self-Association of Lysozyme as Seen by Magnetic Relaxation Dispersion. <i>Journal of Physical Chemistry B</i> , 2003, 107, 7914-7922.	1.2	31
53	Trifluoroethanol-Induced $\beta^2 \rightleftharpoons \beta^1$ Transition in β^2 -Lactoglobulin: Hydration and Cosolvent Binding Studied by ² H, ¹⁷ O, and ¹⁹ F Magnetic Relaxation Dispersion. <i>Biochemistry</i> , 2003, 42, 13708-13716.	1.2	39
54	Water Dynamics in the Large Cavity of Three Lipid-binding Proteins Monitored by ¹⁷ O Magnetic Relaxation Dispersion. <i>Journal of Molecular Biology</i> , 2003, 332, 965-977.	2.0	27

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55	Protein Self-Association in Solution: The Bovine Pancreatic Trypsin Inhibitor Decamer. <i>Biophysical Journal</i> , 2003, 84, 3941-3958.	0.2	44
56	Temperature-Dependent Hydrogen-Bond Geometry in Liquid Water. <i>Physical Review Letters</i> , 2003, 90, 075502.	2.9	167
57	Cross-relaxation between macromolecular and solvent spins: The role of long-range dipole couplings. <i>Journal of Chemical Physics</i> , 2003, 119, 12372-12385.	1.2	112
58	Biomolecular hydration: From water dynamics to hydrodynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 12135-12140.	3.3	183
59	Flexibility and packing in proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 1274-1279.	3.3	239
60	Multinuclear Relaxation Dispersion Studies of Protein Hydration. , 2002, , 419-484.		20
61	Magnetic Relaxation Dispersion Studies of Biomolecular Solutions. <i>Methods in Enzymology</i> , 2002, 338, 178-201.	0.4	74
62	Proton Magnetic Shielding Tensor in Liquid Water. <i>Journal of the American Chemical Society</i> , 2002, 124, 12031-12041.	6.6	55
63	Hydrogen Exchange Rates in Proteins from Water ¹ H Transverse Magnetic Relaxation. <i>Journal of the American Chemical Society</i> , 2002, 124, 10264-10265.	6.6	27
64	Microsecond exchange of internal water molecules in bacteriorhodopsin 1 Edited by P. E. Wright. <i>Journal of Molecular Biology</i> , 2001, 311, 605-621.	2.0	54
65	Sequence-specific binding of counterions to B-DNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 629-633.	3.3	180
66	Hydration of denatured and molten globule proteins. <i>Nature Structural Biology</i> , 1999, 6, 253-260.	9.7	167
67	Oriental Order and Dynamics of Hydration Water in a Single Crystal of Bovine Pancreatic Trypsin Inhibitor. <i>Biophysical Journal</i> , 1999, 77, 1074-1085.	0.2	23
68	Dynamics of Functional Water in the Active Site of Native Carbonic Anhydrase from ¹⁷ O Magnetic Relaxation Dispersion. <i>Journal of the American Chemical Society</i> , 1999, 121, 2327-2328.	6.6	27
69	Deuteron Relaxation Dispersion in Aqueous Colloidal Silica. <i>Journal of Physical Chemistry B</i> , 1999, 103, 5167-5174.	1.2	5
70	Water molecules in the binding cavity of intestinal fatty acid binding protein: dynamic characterization by Water ¹⁷ O and ² H magnetic relaxation dispersion. <i>Journal of Molecular Biology</i> , 1999, 286, 233-246.	2.0	61
71	Dissection of the structural and functional role of a conserved hydration site in RNase T1. <i>Protein Science</i> , 1999, 8, 722-730.	3.1	31
72	Model-Free Analysis of Stretched Relaxation Dispersions. <i>Journal of Magnetic Resonance</i> , 1998, 135, 1-13.	1.2	109

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73	Water and monovalent ions in the minor groove of B-DNA oligonucleotides as seen by NMR. <i>Biopolymers</i> , 1998, 48, 210-233.	1.2	43
74	Thermal Denaturation of Ribonuclease A Characterized by Water 17O and 2H Magnetic Relaxation Dispersion. <i>Biochemistry</i> , 1998, 37, 9595-9604.	1.2	47
75	Minor Groove Hydration of DNA in Solution: Dependence on Base Composition and Sequence. <i>Journal of the American Chemical Society</i> , 1998, 120, 6859-6870.	6.6	60
76	Water molecules in DNA recognition I: hydration lifetimes of trp operator DNA in solution measured by NMR spectroscopy 1 Edited by B. Honig. <i>Journal of Molecular Biology</i> , 1998, 282, 847-858.	2.0	47
77	Water and monovalent ions in the minor groove of B-DNA oligonucleotides as seen by NMR. <i>Biopolymers</i> , 1998, 48, 210.	1.2	89
78	NMR STUDIES OF LYOTROPIC LIQUID CRYSTALS. , 1998, , 81-109.		6
79	Spin relaxation by diffusion on biaxial rods. <i>Journal of Chemical Physics</i> , 1997, 107, 1460-1469.	1.2	0
80	Fluid Membrane Interactions Probed by Nuclear Spin Relaxation. <i>Physical Review Letters</i> , 1997, 78, 3689-3692.	2.9	2
81	Orientational correlations and spin relaxation in lamellar fluid membrane phases. <i>Physical Review E</i> , 1997, 56, 690-707.	0.8	16
82	Diffusion on a flexible surface. <i>Journal of Chemical Physics</i> , 1997, 106, 1880-1887.	1.2	22
83	Diffusion in a fluctuating random geometry. <i>Physical Review E</i> , 1997, 55, 680-686.	0.8	16
84	Spin relaxation by collective director fluctuations and molecular diffusion in lamellar phases. Continuum theory of relaxation anisotropy and dispersion. <i>Journal of Chemical Physics</i> , 1997, 106, 9337-9352.	1.2	5
85	Water 1H Magnetic Relaxation Dispersion in Protein Solutions. A Quantitative Assessment of Internal Hydration, Proton Exchange, and Cross-Relaxation. <i>Journal of the American Chemical Society</i> , 1997, 119, 3122-3134.	6.6	100
86	Orientational Disorder and Entropy of Water in Protein Cavities. <i>Journal of Physical Chemistry B</i> , 1997, 101, 9380-9389.	1.2	106
87	Kinetics of DNA hydration. <i>Journal of Molecular Biology</i> , 1997, 268, 118-136.	2.0	133
88	NMR identification of hydrophobic cavities with low water occupancies in protein structures using small gas molecules. <i>Nature Structural and Molecular Biology</i> , 1997, 4, 396-404.	3.6	95
89	Dimethyl sulfoxide binding to globular proteins: A nuclear magnetic relaxation dispersion study. <i>Protein Science</i> , 1997, 6, 1756-1763.	3.1	42
90	Protein hydration dynamics in aqueous solution. <i>Faraday Discussions</i> , 1996, 103, 227.	1.6	278

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91	Spin dynamics of exchanging quadrupolar nuclei in locally anisotropic systems. Progress in Nuclear Magnetic Resonance Spectroscopy, 1996, 28, 137-159.	3.9	33
92	Using buried water molecules to explore the energy landscape of proteins. Nature Structural and Molecular Biology, 1996, 3, 505-509.	3.6	156
93	Solvent diffusion in ordered macrofluids: A stochastic simulation study of the obstruction effect. Journal of Chemical Physics, 1996, 104, 6807-6817.	1.2	76
94	Orientalional order and micelle size in the nematic phase of the cesium pentadecafluorooctanoate-water system from the anisotropic self-diffusion of water. Physical Review E, 1996, 53, 4904-4917.	0.8	50
95	Micelle size and orientational order across the nematic-isotropic transition: A field-dependent nuclear-spin-relaxation study. Physical Review E, 1995, 51, 466-477.	0.8	42
96	Orientation-dependent electrical double-layer interactions. I. Rodlike macroions of finite length. Journal of Chemical Physics, 1995, 102, 7238-7250.	1.2	12
97	Molecular segregation and aggregate shape in a lyotropic rectangular phase. Liquid Crystals, 1995, 18, 545-553.	0.9	14
98	Direct Observation of Calcium-Coordinated Water in Calbindin D9k by Nuclear Magnetic Relaxation Dispersion. Journal of the American Chemical Society, 1995, 117, 8456-8465.	6.6	32
99	Protein Hydration Dynamics in Aqueous Solution: A Comparison of Bovine Pancreatic Trypsin Inhibitor and Ubiquitin by Oxygen-17 Spin Relaxation Dispersion. Journal of Molecular Biology, 1995, 245, 682-697.	2.0	160
100	Hydrogen Exchange and Protein Hydration: The Deuteron Spin Relaxation Dispersions of Bovine Pancreatic Trypsin Inhibitor and Ubiquitin. Journal of Molecular Biology, 1995, 245, 698-709.	2.0	91
101	Microemulsions as macroelectrolytes. Journal of Chemical Physics, 1995, 103, 1655-1668.	1.2	11
102	Residence times of the buried water molecules in bovine pancreatic trypsin inhibitor and its G36S mutant. Biochemistry, 1995, 34, 9046-9051.	1.2	75
103	Magnetic-field induced biaxiality in nematic liquid crystals. Consequences for nuclear spin relaxation. Liquid Crystals, 1994, 17, 759-773.	0.9	5
104	Surface forces, undulating bilayers, and nuclear-spin relaxation. Physical Review E, 1994, 50, R2415-R2418.	0.8	24
105	Dynamics of the Internal and External Hydration of Globular Proteins. Journal of the American Chemical Society, 1994, 116, 10324-10325.	6.6	33
106	Membrane flexibility in a dilute lamellar phase : a multinuclear magnetic resonance study. Journal De Physique II, 1994, 4, 1823-1842.	0.9	10
107	A New Method for Selective Detection of "Invisible" Quadrupolar Satellites in Heterogeneous Systems. Journal of Magnetic Resonance Series B, 1993, 102, 84-90.	1.6	3
108	A fluctuation approach to solvation in polar fluids. Journal of Chemical Physics, 1993, 99, 8056-8062.	1.2	20

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109	Group theoretical analysis of nuclear spin relaxation in liquid crystals and molecular solids. <i>Molecular Physics</i> , 1993, 80, 549-582.	0.8	19
110	Microstructure and dynamics in lyotropic liquid crystals. Principles and applications of nuclear spin relaxation. <i>Liquid Crystals</i> , 1993, 14, 227-263.	0.9	39
111	Curvature defects in a lamellar phase revealed by nuclear-spin-relaxation anisotropy. <i>Physical Review E</i> , 1993, 47, 3374-3395.	0.8	19
112	Spin relaxation in cubic liquid crystals. The role of symmetry. <i>Liquid Crystals</i> , 1992, 12, 625-639.	0.9	11
113	Counterion spin relaxation in microemulsion droplets. <i>The Journal of Physical Chemistry</i> , 1992, 96, 9524-9531.	2.9	34
114	Director fluctuations and nuclear-spin relaxation in lyotropic nematic liquid crystals. <i>Physical Review A</i> , 1992, 45, 3763-3777.	1.0	27
115	Micelle size and order in lyotropic nematic phases from nuclear spin relaxation. <i>Journal of Chemical Physics</i> , 1992, 96, 3875-3891.	1.2	75
116	Theory of spin relaxation in bicontinuous cubic liquid crystals. <i>Journal of Chemical Physics</i> , 1992, 97, 1401-1415.	1.2	25
117	Multiple quantum NMR spectroscopy on $I > 1$ nuclei in anisotropic systems. <i>Molecular Physics</i> , 1992, 76, 1169-1197.	0.8	17
118	2D Quadrupolar-echo spectroscopy with coherence selection and optimized pulse angle. <i>Journal of Magnetic Resonance</i> , 1992, 98, 388-407.	0.5	10
119	Anisotropic ^{23}Na spin relaxation in liquid crystals. Determination of all nine spectral densities for a hexagonal lyotropic phase. <i>Journal of Magnetic Resonance</i> , 1992, 100, 267-281.	0.5	1
120	Theory of spin relaxation by diffusion on curved surfaces. <i>Journal of Chemical Physics</i> , 1991, 94, 3150-3168.	1.2	63
121	Deuterium NMR relaxation in phospholipid bilayers: toward a consistent molecular interpretation. <i>The Journal of Physical Chemistry</i> , 1991, 95, 6724-6733.	2.9	38
122	Methods for NMR studies of $I > 1$ nuclei in anisotropic systems with small quadrupole splitting. <i>Chemical Physics Letters</i> , 1991, 182, 547-550.	1.2	12
123	Nuclear spin relaxation in a hexagonal lyotropic liquid crystal. <i>Journal of Chemical Physics</i> , 1991, 95, 6945-6961.	1.2	65
124	Counterion surface diffusion in a lyotropic mesophase: a sodium-23 two-dimensional quadrupolar echo NMR relaxation study. <i>The Journal of Physical Chemistry</i> , 1990, 94, 2600-2613.	2.9	47
125	Spin relaxation of $I > 1$ nuclei in anisotropic systems. II. Inversion recovery and even-rank polarization decay. <i>Journal of Chemical Physics</i> , 1989, 91, 42-51.	1.2	24
126	The state of water in non-ionic surfactant solutions and lyotropic phases. Oxygen-17 magnetic relaxation study. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1989, 85, 1049.	1.0	47

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127	Counterion N.M.R. in heterogeneous aqueous systems. <i>Molecular Physics</i> , 1989, 67, 537-573.	0.8	57
128	Shape fluctuations and water diffusion in microemulsion droplets: a nuclear spin relaxation study. <i>The Journal of Physical Chemistry</i> , 1989, 93, 3287-3299.	2.9	28
129	On the cyclotron resonance mechanism for magnetic field effects on transmembrane ion conductivity. <i>Bioelectromagnetics</i> , 1988, 9, 381-385.	0.9	80
130	Water dynamics in microemulsion droplets. A nuclear spin relaxation study. <i>Langmuir</i> , 1988, 4, 1346-1352.	1.6	56
131	Water dynamics and aggregate structure in reversed micelles at sub-zero temperatures. A deuteron spin relaxation study. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1988, 84, 1033.	1.0	48
132	Spin relaxation of $I > 1$ nuclei in anisotropic systems. I. Two-dimensional quadrupolar echo Fourier spectroscopy. <i>Journal of Chemical Physics</i> , 1988, 89, 5382-5397.	1.2	44
133	Nuclear spin quenching A new probe of exchange kinetics and droplet size in disperse systems. <i>Molecular Physics</i> , 1988, 64, 659-678.	0.8	6
134	N.M.R. lineshapes from quadrupolar nuclei in biaxial lyotropic structures. <i>Molecular Physics</i> , 1988, 65, 547-562.	0.8	15
135	N.M.R. lineshapes for nuclei diffusing in magnetically heterogeneous systems. <i>Molecular Physics</i> , 1988, 63, 97-123.	0.8	13
136	The shape of ionic micelles. <i>Journal De Physique</i> , 1988, 49, 1235-1259.	1.8	39
137	Nuclear spin relaxation induced by lateral diffusion on a fixed or freely rotating spheroidal surface. <i>Molecular Physics</i> , 1987, 61, 963-980.	0.8	12
138	Theory of intramolecular spin relaxation by translational diffusion in locally ordered fluids. <i>Molecular Physics</i> , 1987, 60, 319-370.	0.8	19
139	Ion diffusion at charged interfaces. <i>Molecular Physics</i> , 1986, 57, 1105-1137.	0.8	15
140	Water spin relaxation in colloidal systems. Part 3. Interpretation of the low-frequency dispersion. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1986, 82, 415.	1.0	30
141	Water spin relaxation in colloidal systems. Part 2. ^{17}O and ^2H relaxation in protein solutions. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1986, 82, 401.	1.0	43
142	The effect of intermolecular interactions on the ^2H and ^{17}O quadrupole coupling constants in ice and liquid water. <i>Journal of Chemical Physics</i> , 1985, 82, 2002-2013.	1.2	64
143	Theory of intramolecular spin relaxation by translational diffusion in locally ordered fluids. <i>Molecular Physics</i> , 1985, 56, 209-221.	0.8	18
144	Interpretation of Counterion Spin Relaxation in Polyelectrolyte Solutions. II. Effects of Finite Polyion Length. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1985, 89, 1254-1260.	0.9	13

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145	Interpretation of counterion spin relaxation in polyelectrolyte solutions. <i>The Journal of Physical Chemistry</i> , 1984, 88, 2482-2494.	2.9	94
146	Dissociation kinetics of secondary-minimum flocculated colloidal particles. <i>Journal of Colloid and Interface Science</i> , 1984, 102, 400-409.	5.0	29
147	Theory of intramolecular spin relaxation by translational diffusion in locally ordered fluids. <i>Molecular Physics</i> , 1984, 53, 1427-1461.	0.8	38
148	Prototropic charge migration in water. Part 1. Rate constants in light and heavy water and in salt solution from oxygen-17 spin relaxation. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1983, 79, 1031-1046.	1.1	89
149	Prototropic charge migration in water. Part 2. Interpretation of nuclear magnetic resonance and conductivity data in terms of model mechanisms. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1983, 79, 1047-1073.	1.1	58
150	Water oxygen-17 magnetic relaxation in polyelectrolyte solutions. <i>Journal of the Chemical Society Faraday Transactions 1</i> , 1982, 78, 255.	1.0	18
151	Protein hydration from water oxygen-17 magnetic relaxation. <i>Journal of the American Chemical Society</i> , 1981, 103, 500-508.	6.6	200
152	Interpretation of magnetic resonance data from water nuclei in heterogeneous systems. <i>Journal of Chemical Physics</i> , 1981, 75, 1928-1943.	1.2	482
153	Hydration of ionic surfactant micelles from water oxygen-17 magnetic relaxation. <i>The Journal of Physical Chemistry</i> , 1981, 85, 2142-2147.	2.9	63
154	Nearly exponential quadrupolar relaxation. A perturbation treatment. <i>Journal of Magnetic Resonance</i> , 1981, 44, 89-100.	0.5	40
155	Ion distributions and energetics in lamellar liquid crystals. A comparison between different theoretical approaches. <i>Inorganica Chimica Acta</i> , 1980, 40, X39-X40.	1.2	0
156	Ion distributions in lamellar liquid crystals. A comparison between results from Monte Carlo simulations and solutions of the Poisson-Boltzmann equation. <i>The Journal of Physical Chemistry</i> , 1980, 84, 2179-2185.	2.9	179
157	Chloride ion binding to human plasma albumin from chlorine-35 quadrupole relaxation. <i>Biochemistry</i> , 1978, 17, 3774-3781.	1.2	27
158	Internal motion at the chloride binding sites of human serum albumin by NMR relaxation studies. <i>FEBS Letters</i> , 1978, 86, 25-28.	1.3	10