## Bertil Halle

List of Publications by Year in descending order

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REDTH HALLE

#	Article	IF	CITATIONS
1	The spatial range of protein hydration. Journal of Chemical Physics, 2018, 148, 215104.	3.0	29
2	Compressibility of the protein-water interface. Journal of Chemical Physics, 2018, 148, 215102.	3.0	13
3	How proteins modify water dynamics. Journal of Chemical Physics, 2018, 148, 215103.	3.0	41
4	The geometry of protein hydration. Journal of Chemical Physics, 2018, 148, 215101.	3.0	38
5	Nuclear magnetic relaxation by the dipolar EMOR mechanism: Multi-spin systems. Journal of Chemical Physics, 2017, 147, 084203.	3.0	1
6	Nuclear magnetic relaxation by the dipolar EMOR mechanism: Three-spin systems. Journal of Chemical Physics, 2016, 145, 034202.	3.0	1
7	Nuclear magnetic relaxation by the dipolar EMOR mechanism: General theory with applications to two-spin systems. Journal of Chemical Physics, 2016, 144, 084202.	3.0	2
8	Longitudinal relaxation in dipole-coupled homonuclear three-spin systems: Distinct correlations and odd spectral densities. Journal of Chemical Physics, 2015, 143, 234201.	3.0	4
9	Time Scales of Conformational Gating in a Lipid-Binding Protein. Journal of Physical Chemistry B, 2015, 119, 7957-7967.	2.6	8
10	How amide hydrogens exchange in native proteins. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10383-10388.	7.1	57
11	Structure and kinetics of chemically cross-linked protein gels from small-angle X-ray scattering. Physical Chemistry Chemical Physics, 2014, 16, 4002.	2.8	7
12	Weak Self-Interactions of Globular Proteins Studied by Small-Angle X-ray Scattering and Structure-Based Modeling. Journal of Physical Chemistry B, 2014, 118, 10111-10119.	2.6	20
13	Reply to "Comment on â€~Hydration and Mobility of Trehalose in Aqueous Solution'― Journal of Physical Chemistry B, 2014, 118, 10806-10812.	2.6	13
14	Nuclear magnetic relaxation induced by exchange-mediated orientational randomization: Longitudinal relaxation dispersion for a dipole-coupled spin-1/2 pair. Journal of Chemical Physics, 2013, 139, 144203.	3.0	6
15	Analysis of Protein Dynamics Simulations by a Stochastic Point Process Approach. Journal of Chemical Theory and Computation, 2013, 9, 2838-2848.	5.3	10
16	Transient Access to the Protein Interior: Simulation versus NMR. Journal of the American Chemical Society, 2013, 135, 8735-8748.	13.7	57
17	Internal Water and Microsecond Dynamics in Myoglobin. Journal of Physical Chemistry B, 2013, 117, 14676-14687.	2.6	42
18	Mobility of Core Water in Bacillus subtilis Spores by 2H NMR. Biophysical Journal, 2013, 105, 2016-2023.	0.5	35

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19	Rotational dynamics in supercooled water from nuclear spin relaxation and molecular simulations. Journal of Chemical Physics, 2012, 136, 204505.	3.0	78
20	Hydration Dynamics of a Halophilic Protein in Folded and Unfolded States. Journal of Physical Chemistry B, 2012, 116, 3436-3444.	2.6	52
21	Nuclear magnetic relaxation induced by exchange-mediated orientational randomization: Longitudinal relaxation dispersion for spin <i>I</i> = 1. Journal of Chemical Physics, 2012, 137, 054503.	3.0	6
22	Hydration and Mobility of Trehalose in Aqueous Solution. Journal of Physical Chemistry B, 2012, 116, 9196-9207.	2.6	77
23	Structural dynamics of supercooled water from quasielastic neutron scattering and molecular simulations. Journal of Chemical Physics, 2011, 134, 144508.	3.0	162
24	Mechanism of 1 H– 14 N cross-relaxation in immobilized proteins. Journal of Magnetic Resonance, 2010, 203, 257-273.	2.1	52
25	High water mobility on the ice-binding surface of a hyperactive antifreeze protein. Physical Chemistry Chemical Physics, 2010, 12, 10189.	2.8	52
26	The physical state of water in bacterial spores. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 19334-19339.	7.1	141
27	Slow Internal Protein Dynamics from Water <sup>1</sup> H Magnetic Relaxation Dispersion. Journal of the American Chemical Society, 2009, 131, 18214-18215.	13.7	19
28	Does the Dynamic Stokes Shift Report on Slow Protein Hydration Dynamics?. Journal of Physical Chemistry B, 2009, 113, 8210-8213.	2.6	113
29	Protein Cold Denaturation as Seen From the Solvent. Journal of the American Chemical Society, 2009, 131, 1025-1036.	13.7	76
30	Protein self-association in solution: The bovine $\hat{I}^2$ -lactoglobulin dimer and octamer. Protein Science, 2009, 12, 2404-2411.	7.6	120
31	The physical basis of model-free analysis of NMR relaxation data from proteins and complex fluids. Journal of Chemical Physics, 2009, 131, 224507.	3.0	92
32	Time scales of water dynamics at biological interfaces: peptides, proteins and cells. Faraday Discussions, 2009, 141, 131-144.	3.2	112
33	Internal Sodium Ions and Water Molecules in Guanine Quadruplexes: Magnetic Relaxation Dispersion Studies of [d(G3T4G3)]2 and [d(G4T4G4)]2. Biochemistry, 2008, 47, 12219-12229.	2.5	21
34	Dynamics at the Protein-Water Interface from 17O Spin Relaxation in Deeply Supercooled Solutions. Biophysical Journal, 2008, 95, 2951-2963.	0.5	132
35	A dry ligand-binding cavity in a solvated protein. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6296-6301.	7.1	94
36	Thermal Signature of Hydrophobic Hydration Dynamics. Journal of the American Chemical Society, 2008, 130, 10345-10353.	13.7	181

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37	Nanosecond to Microsecond Protein Dynamics Probed by Magnetic Relaxation Dispersion of Buried Water Molecules. Journal of the American Chemical Society, 2008, 130, 1774-1787.	13.7	96
38	Cell water dynamics on multiple time scales. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6266-6271.	7.1	177
39	Hydrogen Exchange and Hydration Dynamics in Gelatin Gels. Journal of Physical Chemistry B, 2006, 110, 21551-21559.	2.6	34
40	Internal Water Molecules and Magnetic Relaxation in Agarose Gels. Journal of the American Chemical Society, 2006, 128, 4902-4910.	13.7	29
41	Molecular basis of water proton relaxation in gels and tissue. Magnetic Resonance in Medicine, 2006, 56, 73-81.	3.0	36
42	Molecular theory of field-dependent proton spin-lattice relaxation in tissue. Magnetic Resonance in Medicine, 2006, 56, 60-72.	3.0	53
43	Molecular origin of time-dependent fluorescence shifts in proteins. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 13867-13872.	7.1	192
44	Protein Self-Association Induced by Macromolecular Crowding: A Quantitative Analysis by Magnetic Relaxation Dispersion. Biophysical Journal, 2005, 88, 2855-2866.	0.5	72
45	Biomolecular cryocrystallography: Structural changes during flash-cooling. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 4793-4798.	7.1	190
46	Protein hydration dynamics in solution: a critical survey. Philosophical Transactions of the Royal Society B: Biological Sciences, 2004, 359, 1207-1224.	4.0	475
47	Accelerated Exchange of a Buried Water Molecule in Selectively Disulfide-Reduced Bovine Pancreatic Trypsin Inhibitor. Biochemistry, 2004, 43, 12020-12027.	2.5	11
48	Competitive Na+and Rb+Binding in the Minor Groove of DNA. Journal of the American Chemical Society, 2004, 126, 6739-6750.	13.7	80
49	Stabilization of Internal Charges in a Protein: Water Penetration or Conformational Change?. Biophysical Journal, 2004, 87, 3982-3994.	0.5	50
50	Dynamics of Protein and Peptide Hydration. Journal of the American Chemical Society, 2004, 126, 102-114.	13.7	215
51	Water and urea interactions with the native and unfolded forms of a β-barrel protein. Protein Science, 2003, 12, 2768-2781.	7.6	33
52	Self-Association of Lysozyme as Seen by Magnetic Relaxation Dispersion. Journal of Physical Chemistry B, 2003, 107, 7914-7922.	2.6	31
53	Trifluoroethanol-Induced β → α Transition in β-Lactoglobulin:  Hydration and Cosolvent Binding Studied by 2H, 17O, and 19F Magnetic Relaxation Dispersion. Biochemistry, 2003, 42, 13708-13716.	2.5	39
54	Water Dynamics in the Large Cavity of Three Lipid-binding Proteins Monitored by 170 Magnetic Relaxation Dispersion. Journal of Molecular Biology, 2003, 332, 965-977.	4.2	27

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55	Protein Self-Association in Solution: The Bovine Pancreatic Trypsin Inhibitor Decamer. Biophysical Journal, 2003, 84, 3941-3958.	0.5	44
56	Temperature-Dependent Hydrogen-Bond Geometry in Liquid Water. Physical Review Letters, 2003, 90, 075502.	7.8	167
57	Cross-relaxation between macromolecular and solvent spins: The role of long-range dipole couplings. Journal of Chemical Physics, 2003, 119, 12372-12385.	3.0	112
58	Biomolecular hydration: From water dynamics to hydrodynamics. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 12135-12140.	7.1	183
59	Flexibility and packing in proteins. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 1274-1279.	7.1	239
60	Multinuclear Relaxation Dispersion Studies of Protein Hydration. , 2002, , 419-484.		20
61	Magnetic Relaxation Dispersion Studiesof Biomolecular Solutions. Methods in Enzymology, 2002, 338, 178-201.	1.0	74
62	Proton Magnetic Shielding Tensor in Liquid Water. Journal of the American Chemical Society, 2002, 124, 12031-12041.	13.7	55
63	Hydrogen Exchange Rates in Proteins from Water 1H Transverse Magnetic Relaxation. Journal of the American Chemical Society, 2002, 124, 10264-10265.	13.7	27
64	Microsecond exchange of internal water molecules in bacteriorhodopsin 1 1Edited by P. E. Wright. Journal of Molecular Biology, 2001, 311, 605-621.	4.2	54
65	Sequence-specific binding of counterions to B-DNA. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 629-633.	7.1	180
66	Hydration of denatured and molten globule proteins. Nature Structural Biology, 1999, 6, 253-260.	9.7	167
67	Orientational Order and Dynamics of Hydration Water in a Single Crystal of Bovine Pancreatic Trypsin Inhibitor. Biophysical Journal, 1999, 77, 1074-1085.	0.5	23
68	Dynamics of Functional Water in the Active Site of Native Carbonic Anhydrase from17O Magnetic Relaxation Dispersion. Journal of the American Chemical Society, 1999, 121, 2327-2328.	13.7	27
69	Deuteron Relaxation Dispersion in Aqueous Colloidal Silica. Journal of Physical Chemistry B, 1999, 103, 5167-5174.	2.6	5
70	Water molecules in the binding cavity of intestinal fatty acid binding protein: dynamic characterization by Water17O and 2H magnetic relaxation dispersion. Journal of Molecular Biology, 1999, 286, 233-246.	4.2	61
71	Dissection of the structural and functional role of a conserved hydration site in RNase T1. Protein Science, 1999, 8, 722-730.	7.6	31
72	Model-Free Analysis of Stretched Relaxation Dispersions. Journal of Magnetic Resonance, 1998, 135, 1-13.	2.1	109

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73	Water and monovalent ions in the minor groove of B-DNA oligonucleotides as seen by NMR. Biopolymers, 1998, 48, 210-233.	2.4	43
74	Thermal Denaturation of Ribonuclease A Characterized by Water 17O and 2H Magnetic Relaxation Dispersion. Biochemistry, 1998, 37, 9595-9604.	2.5	47
75	Minor Groove Hydration of DNA in Solution:Â Dependence on Base Composition and Sequence. Journal of the American Chemical Society, 1998, 120, 6859-6870.	13.7	60
76	Water molecules in DNA recognition I: hydration lifetimes of trp operator DNA in solution measured by NMR spectroscopy 1 1Edited by B. Honig. Journal of Molecular Biology, 1998, 282, 847-858.	4.2	47
77	Water and monovalent ions in the minor groove of B-DNA oligonucleotides as seen by NMR. Biopolymers, 1998, 48, 210.	2.4	89
78	NMR STUDIES OF LYOTROPIC LIQUID CRYSTALS. , 1998, , 81-109.		6
79	Spin relaxation by diffusion on biaxial rods. Journal of Chemical Physics, 1997, 107, 1460-1469.	3.0	0
80	Fluid Membrane Interactions Probed by Nuclear Spin Relaxation. Physical Review Letters, 1997, 78, 3689-3692.	7.8	2
81	Orientational correlations and spin relaxation in lamellar fluid membrane phases. Physical Review E, 1997, 56, 690-707.	2.1	16
82	Diffusion on a flexible surface. Journal of Chemical Physics, 1997, 106, 1880-1887.	3.0	22
83	Diffusion in a fluctuating random geometry. Physical Review E, 1997, 55, 680-686.	2.1	16
84	Spin relaxation by collective director fluctuations and molecular diffusion in lamellar phases. Continuum theory of relaxation anisotropy and dispersion. Journal of Chemical Physics, 1997, 106, 9337-9352.	3.0	5
85	Water1H Magnetic Relaxation Dispersion in Protein Solutions. A Quantitative Assessment of Internal Hydration, Proton Exchange, and Cross-Relaxation. Journal of the American Chemical Society, 1997, 119, 3122-3134.	13.7	100
86	Orientational Disorder and Entropy of Water in Protein Cavities. Journal of Physical Chemistry B, 1997, 101, 9380-9389.	2.6	106
87	Kinetics of DNA hydration. Journal of Molecular Biology, 1997, 268, 118-136.	4.2	133
88	NMR identification of hydrophobic cavities with ow water occupancies in protein structures using small gas molecules. Nature Structural and Molecular Biology, 1997, 4, 396-404.	8.2	95
89	Dimethyl sulfoxide binding to globular proteins: A nuclear magnetic relaxation dispersion study. Protein Science, 1997, 6, 1756-1763.	7.6	42
90	Protein hydration dynamics in aqueous solution. Faraday Discussions, 1996, 103, 227.	3.2	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.	7.5	33
92	Using buried water molecules to explore the energy landscape of proteins. Nature Structural and Molecular Biology, 1996, 3, 505-509.	8.2	156
93	Solvent diffusion in ordered macrofluids: A stochastic simulation study of the obstruction effect. Journal of Chemical Physics, 1996, 104, 6807-6817.	3.0	76
94	Orientational 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.	2.1	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.	2.1	42
96	Orientationâ€dependent electrical doubleâ€layer interactions. I. Rodlike macroions of finite length. Journal of Chemical Physics, 1995, 102, 7238-7250.	3.0	12
97	Molecular segregation and aggregate shape in a lyotropic rectangular phase. Liquid Crystals, 1995, 18, 545-553.	2.2	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.	13.7	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.	4.2	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.	4.2	91
101	Microemulsions as macroelectrolytes. Journal of Chemical Physics, 1995, 103, 1655-1668.	3.0	11
102	Residence times of the buried water molecules in bovine pancreatic trypsin inhibitor and its G36S mutant. Biochemistry, 1995, 34, 9046-9051.	2.5	75
103	Magnetic-field induced biaxiality in nematic liquid crystals. Consequences for nuclear spin relaxation. Liquid Crystals, 1994, 17, 759-773.	2.2	5
104	Surface forces, undulating bilayers, and nuclear-spin relaxation. Physical Review E, 1994, 50, R2415-R2418.	2.1	24
105	Dynamics of the Internal and External Hydration of Globular Proteins. Journal of the American Chemical Society, 1994, 116, 10324-10325.	13.7	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.	3.0	20

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109	Group theoretical analysis of nuclear spin relaxation in liquid crystals and molecular solids. Molecular Physics, 1993, 80, 549-582.	1.7	19
110	Microstructure and dynamics in lyotropic liquid crystals. Principles and applications of nuclear spin relaxation. Liquid Crystals, 1993, 14, 227-263.	2.2	39
111	Curvature defects in a lamellar phase revealed by nuclear-spin-relaxation anisotropy. Physical Review E, 1993, 47, 3374-3395.	2.1	19
112	Spin relaxation in cubic liquid crystals. The role of symmetry. Liquid Crystals, 1992, 12, 625-639.	2.2	11
113	Counterion spin relaxation in microemulsion droplets. The Journal of Physical Chemistry, 1992, 96, 9524-9531.	2.9	34
114	Director fluctuations and nuclear-spin relaxation in lyotropic nematic liquid crystals. Physical Review A, 1992, 45, 3763-3777.	2.5	27
115	Micelle size and order in lyotropic nematic phases from nuclear spin relaxation. Journal of Chemical Physics, 1992, 96, 3875-3891.	3.0	75
116	Theory of spin relaxation in bicontinuous cubic liquid crystals. Journal of Chemical Physics, 1992, 97, 1401-1415.	3.0	25
117	Multiple quantum NMR spectroscopy onl> 1 nuclei in anisotropic systems. Molecular Physics, 1992, 76, 1169-1197.	1.7	17
118	2D Quadrupolar-echo spectroscopy with coherence selection and optimized pulse angle. Journal of Magnetic Resonance, 1992, 98, 388-407.	0.5	10
119	Anisotropic 23Na spin relaxation in liquid crystals. Determination of all nine spectral densities for a hexagonal lyotropic phase. Journal of Magnetic Resonance, 1992, 100, 267-281.	0.5	1
120	Theory of spin relaxation by diffusion on curved surfaces. Journal of Chemical Physics, 1991, 94, 3150-3168.	3.0	63
121	Deuterium NMR relaxation in phospholipid bilayers: toward a consistent molecular interpretation. The Journal of Physical Chemistry, 1991, 95, 6724-6733.	2.9	38
122	Methods for NMR studies of I > 1 nuclei in anisotropic systems with small quadrupole splitting. Chemical Physics Letters, 1991, 182, 547-550.	2.6	12
123	Nuclear spin relaxation in a hexagonal lyotropic liquid crystal. Journal of Chemical Physics, 1991, 95, 6945-6961.	3.0	65
124	Counterion surface diffusion in a lyotropic mesophase: a sodium-23 two-dimensional quadrupolar echo NMR relaxation study. The Journal of Physical Chemistry, 1990, 94, 2600-2613.	2.9	47
125	Spin relaxation ofl>1 nuclei in anisotropic systems. II. Inversion recovery and evenâ€rank polarization decay. Journal of Chemical Physics, 1989, 91, 42-51.	3.0	24
126	The state of water in non-ionic surfactant solutions and lyotropic phases. Oxygen-17 magnetic relaxation study. Journal of the Chemical Society Faraday Transactions I, 1989, 85, 1049.	1.0	47

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127	Counterion N.M.R. in heterogeneous aqueous systems. Molecular Physics, 1989, 67, 537-573.	1.7	57
128	Shape fluctuations and water diffusion in microemulsion droplets: a nuclear spin relaxation study. The Journal of Physical Chemistry, 1989, 93, 3287-3299.	2.9	28
129	On the cyclotron resonance mechanism for magnetic field effects on transmembrane ion conductivity. Bioelectromagnetics, 1988, 9, 381-385.	1.6	80
130	Water dynamics in microemulsion droplets. A nuclear spin relaxation study. Langmuir, 1988, 4, 1346-1352.	3.5	56
131	Water dynamics and aggregate structure in reversed micelles at sub-zero temperatures. A deuteron spin relaxation study. Journal of the Chemical Society Faraday Transactions I, 1988, 84, 1033.	1.0	48
132	Spin relaxation ofl>1 nuclei in anisotropic systems. I. Twoâ€dimensional quadrupolar echo Fourier spectroscopy. Journal of Chemical Physics, 1988, 89, 5382-5397.	3.0	44
133	Nuclear spin quenching A new probe of exchange kinetics and droplet size in disperse systems. Molecular Physics, 1988, 64, 659-678.	1.7	6
134	N.M.R. lineshapes from quadrupolar nuclei in biaxial lyotropic structures. Molecular Physics, 1988, 65, 547-562.	1.7	15
135	N.M.R. lineshapes for nuclei diffusing in magnetically heterogeneous systems. Molecular Physics, 1988, 63, 97-123.	1.7	13
136	The shape of ionic micelles. Journal De Physique, 1988, 49, 1235-1259.	1.8	39
137	Nuclear spin relaxation induced by lateral diffusion on a fixed or freely rotating spheroidal surface. Molecular Physics, 1987, 61, 963-980.	1.7	12
138	Theory of intramolecular spin relaxation by translational diffusion in locally ordered fluids. Molecular Physics, 1987, 60, 319-370.	1.7	19
139	Ion diffusion at charged interfaces. Molecular Physics, 1986, 57, 1105-1137.	1.7	15
140	Water spin relaxation in colloidal systems. Part 3.—Interpretation of the low-frequency dispersion. Journal of the Chemical Society Faraday Transactions I, 1986, 82, 415.	1.0	30
141	Water spin relaxation in colloidal systems. Part 2.—17O and 2H relaxation in protein solutions. Journal of the Chemical Society Faraday Transactions I, 1986, 82, 401.	1.0	43
142	The effect of intermolecular interactions on the2H and17O quadrupole coupling constants in ice and liquid water. Journal of Chemical Physics, 1985, 82, 2002-2013.	3.0	64
143	Theory of intramolecular spin relaxation by translational diffusion in locally ordered fluids. Molecular Physics, 1985, 56, 209-221.	1.7	18
144	Interpretation of Counterion Spin Relaxation in Polyelectrolyte Solutions. II. Effects of Finite Polyion Length. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1985, 89, 1254-1260.	0.9	13

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145	Interpretation of counterion spin relaxation in polyelectrolyte solutions. The Journal of Physical Chemistry, 1984, 88, 2482-2494.	2.9	94
146	Dissociation kinetics of secondary-minimum flocculated colloidal particles. Journal of Colloid and Interface Science, 1984, 102, 400-409.	9.4	29
147	Theory of intramolecular spin relaxation by translational diffusion in locally ordered fluids. Molecular Physics, 1984, 53, 1427-1461.	1.7	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. Journal of the Chemical Society, Faraday Transactions 2, 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. Journal of the Chemical Society, Faraday Transactions 2, 1983, 79, 1047-1073.	1.1	58
150	Water oxygen-17 magnetic relaxation in polyelectrolyte solutions. Journal of the Chemical Society Faraday Transactions I, 1982, 78, 255.	1.0	18
151	Protein hydration from water oxygen-17 magnetic relaxation. Journal of the American Chemical Society, 1981, 103, 500-508.	13.7	200
152	Interpretation of magnetic resonance data from water nuclei in heterogeneous systems. Journal of Chemical Physics, 1981, 75, 1928-1943.	3.0	482
153	Hydration of ionic surfactant micelles from water oxygen-17 magnetic relaxation. The Journal of Physical Chemistry, 1981, 85, 2142-2147.	2.9	63
154	Nearly exponential quadrupolar relaxation. A perturbation treatment. Journal of Magnetic Resonance, 1981, 44, 89-100.	0.5	40
155	Ion distributions and energetics in lamellar liquid crystals. A comparison between different theoretical approaches. Inorganica Chimica Acta, 1980, 40, X39-X40.	2.4	0
156	Ion distributions in lamellar liquid crystals. A comparison between results from Monte Carlo simulations and solutions of the Poisson-Boltzmann equation. The Journal of Physical Chemistry, 1980, 84, 2179-2185.	2.9	179
157	Chloride ion binding to human plasma albumin from chlorine-35 quadrupole relaxation. Biochemistry, 1978, 17, 3774-3781.	2.5	27
158	Internal motion at the chloride binding sites of human serum albumin by NMR relaxation studies. FEBS Letters, 1978, 86, 25-28.	2.8	10