

John F Nagle

List of Publications by Year in descending order

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papers

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10389

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docs citations

189
times ranked

9517
citing authors

#	ARTICLE	IF	CITATIONS
1	On Measuring Two-Party Partisan Bias in Unbalanced States. Election Law Journal: Rules, Politics, and Policy, 2021, 20, 116-138.	0.6	8
2	A needless but interesting controversy. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	22
3	Measuring the bending modulus of lipid bilayers with cholesterol. Physical Review E, 2021, 104, 044405.	2.1	17
4	Area Compressibility Moduli of the Monolayer Leaflets of Asymmetric Bilayers from Simulations. Biophysical Journal, 2019, 117, 1051-1056.	0.5	12
5	Determining Volumes of Lipid Components: Hidden Assumptions Have Not-So-Hidden Consequences. Biophysical Journal, 2019, 116, 87a.	0.5	0
6	Revisiting Volumes of Lipid Components in Bilayers. Journal of Physical Chemistry B, 2019, 123, 2697-2709.	2.6	21
7	What Criteria Should Be Used for Redistricting Reform?. Election Law Journal: Rules, Politics, and Policy, 2019, 18, 63-77.	0.6	15
8	Mechanical properties of lipid bilayers: a note on the Poisson ratio. Soft Matter, 2019, 15, 9085-9092.	2.7	34
9	Structure of gel phase DPPC determined by X-ray diffraction. Chemistry and Physics of Lipids, 2019, 218, 168-177.	3.2	29
10	Phase behavior of palmitoyl and egg sphingomyelin. Chemistry and Physics of Lipids, 2018, 213, 102-110.	3.2	32
11	Experimentally determined tilt and bending moduli of single-component lipid bilayers. Chemistry and Physics of Lipids, 2017, 205, 18-24.	3.2	71
12	How Competitive Should a Fair Single Member Districting Plan Be?. Election Law Journal: Rules, Politics, and Policy, 2017, 16, 196-209.	0.6	9
13	X-ray scattering reveals molecular tilt is an order parameter for the main phase transition in a model biomembrane. Physical Review E, 2017, 96, 030401.	2.1	14
14	HIV-1 matrix-31 membrane binding peptide interacts differently with membranes containing PS vs. PI(4,5)P2. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 3071-3081.	2.6	16
15	Sugar does not affect the bending and tilt moduli of simple lipid bilayers. Chemistry and Physics of Lipids, 2016, 196, 76-80.	3.2	24
16	Determination of mosaicity in oriented stacks of lipid bilayers. Soft Matter, 2016, 12, 1884-1891.	2.7	16
17	Correlation between length and tilt of lipid tails. Journal of Chemical Physics, 2015, 143, 154702.	3.0	11
18	Measures of Partisan Bias for Legislating Fair Elections. Election Law Journal: Rules, Politics, and Policy, 2015, 14, 346-360.	0.6	20

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19	Bending Rigidities and Interdomain Forces in Membranes with Coexisting Lipid Domains. <i>Biophysical Journal</i> , 2015, 108, 2833-2842.	0.5	35
20	Structure of the DMPC lipid bilayer ripple phase. <i>Soft Matter</i> , 2015, 11, 918-926.	2.7	80
21	What are the true values of the bending modulus of simple lipid bilayers?. <i>Chemistry and Physics of Lipids</i> , 2015, 185, 3-10.	3.2	113
22	Experimental Support for Tilt-Dependent Theory of Biomembrane Mechanics. <i>Physical Review Letters</i> , 2014, 113, 248102.	7.8	41
23	Testing procedures for extracting fluctuation spectra from lipid bilayer simulations. <i>Journal of Chemical Physics</i> , 2014, 141, 064114.	3.0	3
24	Comparing Lipid Membranes in Different Environments. <i>ACS Nano</i> , 2014, 8, 3123-3127.	14.6	5
25	HIV-1 Tat membrane interactions probed using X-ray and neutron scattering, CD spectroscopy and MD simulations. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 3078-3087.	2.6	26
26	Hiv-1 Tat Membrane Translocation Probed by Low- and Wide-Angle X-Ray Scattering, Neutron Scattering, CD Spectroscopy and MD Simulations. <i>Biophysical Journal</i> , 2014, 106, 91a.	0.5	0
27	Membrane Structure Correlates to Function of LLP2 on the Cytoplasmic Tail of HIV-1 gp41 Protein. <i>Biophysical Journal</i> , 2013, 105, 657-666.	0.5	24
28	Introductory Lecture: Basic quantities in model biomembranes. <i>Faraday Discussions</i> , 2013, 161, 11-29.	3.2	136
29	Volumetric Stability of Lipid Bilayers. <i>Biophysical Journal</i> , 2013, 104, 79a.	0.5	0
30	LLP-2 Domain on the Cytoplasmic Terminal Tail (CTT) of HIV-1 GP41 affects T-Cell but not HIV Virion Membranes. <i>Biophysical Journal</i> , 2013, 104, 247a.	0.5	0
31	Comparing Simulations of Lipid Bilayers to Scattering Data: The GROMOS 43A1-S3 Force Field. <i>Journal of Physical Chemistry B</i> , 2013, 117, 5065-5072.	2.6	47
32	Volumetric stability of lipid bilayers. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 15452.	2.8	15
33	Structure and Elasticity of Lipid Membranes with Genistein and Daidzein Bioflavonoids Using X-ray Scattering and MD Simulations. <i>Journal of Physical Chemistry B</i> , 2012, 116, 3918-3927.	2.6	61
34	Structure and Elasticity of Genistein and Daidzein in Lipid Membranes using X-Ray Scattering and MD Simulations. <i>Biophysical Journal</i> , 2012, 102, 136a.	0.5	0
35	Direct Fourier Analysis of Lipid Bilayer Fluctuations in Particle-Based Simulations. <i>Biophysical Journal</i> , 2011, 100, 491a.	0.5	0
36	Determination of Electron Density Profiles and Area from Simulations of Undulating Membranes. <i>Biophysical Journal</i> , 2011, 100, 2112-2120.	0.5	54

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37	Interpretation of Fluctuation Spectra in Lipid Bilayer Simulations. <i>Biophysical Journal</i> , 2011, 100, 2104-2111.	0.5	117
38	HIV Fusion Peptide Penetrates, Disorders and Softens T-Cell Membrane Mimics. <i>Biophysical Journal</i> , 2011, 100, 186a.	0.5	1
39	Comparing Membrane Simulations to Scattering Experiments: Introducing the SIMtoEXP Software. <i>Journal of Membrane Biology</i> , 2010, 235, 43-50.	2.1	97
40	Structure and water permeability of fully hydrated diphytanoylPC. <i>Chemistry and Physics of Lipids</i> , 2010, 163, 630-637.	3.2	89
41	In Defense of Gibbs and the Traditional Definition of the Entropy of Distinguishable Particles. <i>Entropy</i> , 2010, 12, 1936-1945.	2.2	9
42	Characterization of Electron Density Profiles and Area Per Lipid from MD Simulation of Large Undulating Bilayers. <i>Biophysical Journal</i> , 2010, 98, 569a.	0.5	0
43	Orientation of Tie-Lines in the Phase Diagram of DOPC/DPPC/Cholesterol Model Biomembranes. <i>Langmuir</i> , 2010, 26, 17363-17368.	3.5	78
44	HIV Fusion Peptide Penetrates, Disorders, and Softens T-Cell Membrane Mimics. <i>Journal of Molecular Biology</i> , 2010, 402, 139-153.	4.2	72
45	Structure and Water Permeability of Fully Hydrated Diphytanoylpc. <i>Biophysical Journal</i> , 2010, 98, 282a.	0.5	0
46	Effects of cholesterol and unsaturated DOPC lipid on chain packing of saturated gel-phase DPPC bilayers. <i>General Physiology and Biophysics</i> , 2009, 28, 126-139.	0.9	102
47	Effect of cholesterol on structural and mechanical properties of membranes depends on lipid chain saturation. <i>Physical Review E</i> , 2009, 80, 021931.	2.1	299
48	Alamethicin Aggregation in Lipid Membranes. <i>Journal of Membrane Biology</i> , 2009, 231, 11-27.	2.1	40
49	Effects of ether vs. ester linkage on lipid bilayer structure and water permeability. <i>Chemistry and Physics of Lipids</i> , 2009, 160, 33-44.	3.2	66
50	Alamethicin in lipid bilayers: Combined use of X-ray scattering and MD simulations. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 1387-1397.	2.6	99
51	Temperature Dependence of Structure, Bending Rigidity, and Bilayer Interactions of Dioleoylphosphatidylcholine Bilayers. <i>Biophysical Journal</i> , 2008, 94, 117-124.	0.5	307
52	Order Parameters and Areas in Fluid-Phase Oriented Lipid Membranes Using Wide Angle X-Ray Scattering. <i>Biophysical Journal</i> , 2008, 95, 669-681.	0.5	186
53	Liquid-Liquid Domains in Bilayers Detected by Wide Angle X-Ray Scattering. <i>Biophysical Journal</i> , 2008, 95, 682-690.	0.5	104
54	Lipid Bilayer Structure Determined by the Simultaneous Analysis of Neutron and X-Ray Scattering Data. <i>Biophysical Journal</i> , 2008, 95, 2356-2367.	0.5	518

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55	CRAC motif peptide of the HIV-1 gp41 protein thins SOPC membranes and interacts with cholesterol. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 1120-1130.	2.6	48
56	Structural Determinants of Water Permeability through the Lipid Membrane. <i>Journal of General Physiology</i> , 2008, 131, 69-76.	1.9	314
57	Theory of Passive Permeability through Lipid Bilayers. <i>Journal of General Physiology</i> , 2008, 131, 77-85.	1.9	95
58	Cholesterol Perturbs Lipid Bilayers Nonuniversally. <i>Physical Review Letters</i> , 2008, 100, 198103.	7.8	247
59	Curvature Effect on the Structure of Phospholipid Bilayers. <i>Langmuir</i> , 2007, 23, 1292-1299.	3.5	124
60	HIV-1 Fusion Peptide Decreases Bending Energy and Promotes Curved Fusion Intermediates. <i>Biophysical Journal</i> , 2007, 93, 2048-2055.	0.5	93
61	Swelling of phospholipids by monovalent salt. <i>Journal of Lipid Research</i> , 2006, 47, 302-309.	4.2	140
62	Simulation-Based Methods for Interpreting X-Ray Data from Lipid Bilayers. <i>Biophysical Journal</i> , 2006, 90, 2796-2807.	0.5	219
63	Closer Look at Structure of Fully Hydrated Fluid Phase DPPC Bilayers. <i>Biophysical Journal</i> , 2006, 90, L83-L85.	0.5	165
64	Comment on "An Apparent General Solution for the Kinetic Models of the Bacteriorhodopsin Photocycles". <i>Journal of Physical Chemistry B</i> , 2006, 110, 15041-15042.	2.6	1
65	Partial molecular volumes of lipids and cholesterol. <i>Chemistry and Physics of Lipids</i> , 2006, 143, 1-10.	3.2	206
66	Structure of Fully Hydrated Fluid Phase Lipid Bilayers with Monounsaturated Chains. <i>Journal of Membrane Biology</i> , 2006, 208, 193-202.	2.1	715
67	Thermodynamic and structural characterization of amino acid-linked dialkyl lipids. <i>Chemistry and Physics of Lipids</i> , 2005, 134, 29-39.	3.2	9
68	Anomalous swelling of lipid bilayer stacks is caused by softening of the bending modulus. <i>Physical Review E</i> , 2005, 71, 041904.	2.1	94
69	Structure of Fully Hydrated Fluid Phase DMPC and DLPC Lipid Bilayers Using X-Ray Scattering from Oriented Multilamellar Arrays and from Unilamellar Vesicles. <i>Biophysical Journal</i> , 2005, 88, 2626-2637.	0.5	531
70	Areas of Molecules in Membranes Consisting of Mixtures. <i>Biophysical Journal</i> , 2005, 89, 1827-1832.	0.5	175
71	Diffuse scattering provides material parameters and electron density profiles of biomembranes. <i>Physical Review E</i> , 2004, 69, 040901.	2.1	209
72	Regarding the Entropy of Distinguishable Particles. <i>Journal of Statistical Physics</i> , 2004, 117, 1047-1062.	1.2	23

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73	Lipid bilayers: thermodynamics, structure, fluctuations, and interactions. Chemistry and Physics of Lipids, 2004, 127, 3-14.	3.2	264
74	Models to analyze small-angle neutron scattering from unilamellar lipid vesicles. Physical Review E, 2004, 69, 051903.	2.1	77
75	Structure and Fluctuations of Charged Phosphatidylserine Bilayers in the Absence of Salt. Biophysical Journal, 2004, 86, 1574-1586.	0.5	263
76	Structure of Gel Phase DMPC Determined by X-Ray Diffraction. Biophysical Journal, 2002, 83, 3324-3335.	0.5	329
77	The thermotropic phase behavior of cationic lipids: calorimetric, infrared spectroscopic and X-ray diffraction studies of lipid bilayer membranes composed of 1,2-di-O-myristoyl-3-N,N,N-trimethylaminopropane (DM-TAP). Biochimica Et Biophysica Acta - Biomembranes, 2001, 1510, 70-82.	2.6	14
78	Anomalous swelling in phospholipid bilayers is not coupled to the formation of a ripple phase. Physical Review E, 2001, 63, 030902.	2.1	47
79	Structure and Interactions of Lipid Bilayers: Role of Fluctuations. , 2001, , 1-23.		4
80	Structure of lipid bilayers. BBA - Biomembranes, 2000, 1469, 159-195.	8.0	2,314
81	Lipid bilayer structure. Current Opinion in Structural Biology, 2000, 10, 474-480.	5.7	184
82	Clarification of the ripple phase of lecithin bilayers using fully hydrated, aligned samples. Physical Review E, 2000, 61, 5668-5677.	2.1	101
83	Method for obtaining structure and interactions from oriented lipid bilayers. Physical Review E, 2000, 63, 011907.	2.1	141
84	Absence of a vestigial vapor pressure paradox. Physical Review E, 1999, 59, 7018-7024.	2.1	52
85	Polymorphism in Myristoylpalmitoylphosphatidylcholine. Chemistry and Physics of Lipids, 1999, 100, 101-113.	3.2	18
86	Re-analysis of Magic Angle Spinning Nuclear Magnetic Resonance Determination of Interlamellar Waters in Lipid Bilayer Dispersions. Biophysical Journal, 1999, 77, 2062-2065.	0.5	27
87	Analysis of Simulated NMR Order Parameters for Lipid Bilayer Structure Determination. Biophysical Journal, 1999, 76, 2479-2487.	0.5	102
88	Fluid phase structure of EPC and DMPC bilayers. Chemistry and Physics of Lipids, 1998, 95, 83-94.	3.2	245
89	Comment on "Growth of Molecular Superlattice in Fully Hydrated Dipalmitoylphosphatidylcholine during Subgel Phase Formation Process" by H. Takahashi, K. Hatta and I. Hatta. European Physical Journal B, 1998, 1, 399-400.	1.5	11
90	DMSO produces a new subgel phase in DPPC: DSC and X-ray diffraction study. Biochimica Et Biophysica Acta - Biomembranes, 1998, 1369, 19-33.	2.6	66

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91	Structure and Interactions of Fully Hydrated Dioleoylphosphatidylcholine Bilayers. <i>Biophysical Journal</i> , 1998, 75, 917-925.	0.5	316
92	Effect of Substrate Roughness on D Spacing Supports Theoretical Resolution of Vapor Pressure Paradox. <i>Biophysical Journal</i> , 1998, 74, 1421-1427.	0.5	26
93	Multiple mechanisms for critical behavior in the biologically relevant phase of lecithin bilayers. <i>Physical Review E</i> , 1998, 58, 7769-7776.	2.1	56
94	Interbilayer interactions from high-resolution x-ray scattering. <i>Physical Review E</i> , 1998, 57, 7014-7024.	2.1	247
95	Simulations of Interacting Membranes in the Soft Confinement Regime. <i>Physical Review Letters</i> , 1998, 81, 2610-2613.	7.8	50
96	Simulations of a single membrane between two walls using a Monte Carlo method. <i>Physical Review E</i> , 1998, 58, 881-888.	2.1	29
97	Determination of component volumes of lipid bilayers from simulations. <i>Biophysical Journal</i> , 1997, 72, 2237-2242.	0.5	153
98	Structure of gel phase saturated lecithin bilayers: temperature and chain length dependence. <i>Biophysical Journal</i> , 1996, 71, 885-891.	0.5	145
99	Small-angle x-ray scattering from lipid bilayers is well described by modified CaillÃ© theory but not by paracrystalline theory. <i>Biophysical Journal</i> , 1996, 70, 349-357.	0.5	126
100	X-ray structure determination of fully hydrated L alpha phase dipalmitoylphosphatidylcholine bilayers. <i>Biophysical Journal</i> , 1996, 70, 1419-1431.	0.5	454
101	Anomalous phase behavior of long chain saturated lecithin bilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1996, 1279, 17-24.	2.6	29
102	Structure of the ripple phase in lecithin bilayers.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 7008-7012.	7.1	123
103	Onsager, ice, biomembranes, dimer models and the F-model. <i>Journal of Statistical Physics</i> , 1995, 78, 549-561.	1.2	2
104	Critical Fluctuations in Membranes. <i>Physical Review Letters</i> , 1995, 74, 2832-2835.	7.8	73
105	Comment on "Orientation dependence of 2H nuclear magnetic resonance spin-lattice relaxation in phospholipid and phospholipid:cholesterol systems" [J. Chem. Phys. 101, 749 (1994)]. <i>Journal of Chemical Physics</i> , 1995, 103, 1720-1721.	3.0	3
106	Order and disorder in fully hydrated unoriented bilayers of gel-phase dipalmitoylphosphatidylcholine. <i>Physical Review E</i> , 1994, 49, 4665-4676.	2.1	204
107	Kinetics of subgel formation in DPPC: X-ray diffraction proves nucleation-growth hypothesis. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1994, 1191, 14-20.	2.6	43
108	Theory of the structure factor of lipid bilayers. <i>Physical Review E</i> , 1994, 50, 5047-5060.	2.1	186

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109	Measurement of chain tilt angle in fully hydrated bilayers of gel phase lecithins. <i>Biophysical Journal</i> , 1993, 64, 1097-1109.	0.5	259
110	Area/lipid of bilayers from NMR. <i>Biophysical Journal</i> , 1993, 64, 1476-1481.	0.5	317
111	Exact solution of the 4-8/4/1 dimer model with OK multicritical point. <i>Journal of Physics A</i> , 1992, 25, 543-559.	1.6	2
112	Long tail kinetics in biophysics?. <i>Biophysical Journal</i> , 1992, 63, 366-370.	0.5	88
113	Proton Transport in Condensed Matter. <i>NATO ASI Series Series B: Physics</i> , 1992, , 17-28.	0.2	3
114	Solving complex photocycle kinetics. Theory and direct method. <i>Biophysical Journal</i> , 1991, 59, 476-487.	0.5	64
115	PHOTOCYCLE KINETICS: ANALYSIS OF RAMAN DATA FROM BACTERIORHODOPSIN. <i>Photochemistry and Photobiology</i> , 1991, 54, 897-903.	2.5	15
116	Exact solutions for a variety of dimer models. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1990, 163, 140-145.	2.6	0
117	Relations for lipid bilayers. Connection of electron density profiles to other structural quantities. <i>Biophysical Journal</i> , 1989, 55, 309-313.	0.5	87
118	Structure of the fully hydrated gel phase of dipalmitoylphosphatidylcholine. <i>Biophysical Journal</i> , 1989, 55, 315-325.	0.5	240
119	Specific volumes of lipids in fully hydrated bilayer dispersions. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1988, 938, 135-142.	2.6	95
120	Structure of fully hydrated bilayer dispersions. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1988, 942, 1-10.	2.6	251
121	New phases of DPPC/water mixtures. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1988, 945, 101-104.	2.6	10
122	Phase transformations in lipids follow classical kinetics with small fractional dimensionalities. <i>Physical Review A</i> , 1988, 37, 3993-4000.	2.5	63
123	Exact solution to a new anisotropic dimer model with domain-wall behavior. <i>Physical Review B</i> , 1987, 35, 5307-5310.	3.2	7
124	Flash spectroscopy of purple membrane. <i>Biophysical Journal</i> , 1987, 51, 627-635.	0.5	94
125	Kinetics of the subtransition in dipalmitoylphosphatidylcholine. <i>Biochemistry</i> , 1987, 26, 4288-4294.	2.5	89
126	Thermodynamic studies of purple membrane. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1986, 854, 58-66.	2.6	28

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127	Dilatometric studies of isobranched phosphatidylcholines. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1986, 863, 33-44.	2.6	25
128	Theory of lipid monolayer and bilayer chain-melting phase transitions. <i>Faraday Discussions of the Chemical Society</i> , 1986, 81, 151.	2.2	65
129	Models of localized energy coupling. <i>Journal of Bioenergetics and Biomembranes</i> , 1986, 18, 55-64.	2.3	28
130	Dimer pair correlations on the brick lattice. <i>Journal of Statistical Physics</i> , 1986, 44, 729-747.	1.2	35
131	Proof of gridlock in a polymer model. <i>Journal of Statistical Physics</i> , 1985, 38, 531-540.	1.2	3
132	Confinement in vertex models. <i>Journal of Physics A</i> , 1985, 18, L181-L185.	1.6	1
133	Finite-size effect for the critical point of an anisotropic dimer model of domain walls. <i>Physical Review A</i> , 1985, 31, 3199-3213.	2.5	44
134	Decomposition of entropy and enthalpy for the melting transition of polyethylene. <i>Macromolecules</i> , 1985, 18, 2643-2652.	4.8	23
135	TESTING KINETIC MODELS FOR THE BACTERIORHODOPSIN PHOTOCYCLE—II. INCLUSION OF AN O TO M BACKREACTION. <i>Photochemistry and Photobiology</i> , 1984, 40, 501-506.	2.5	38
136	Towards better theories of polymer melting. <i>The Journal of Physical Chemistry</i> , 1984, 88, 4599-4608.	2.9	36
137	Metastability in the phase behavior of dimyristoylphosphatidylethanolamine bilayers. <i>Biochemistry</i> , 1984, 23, 1538-1541.	2.5	89
138	Hydrogen bonded chain mechanisms for proton conduction and proton pumping. <i>Journal of Membrane Biology</i> , 1983, 74, 1-14.	2.1	374
139	Critical behavior of a three-dimensional dimer model. <i>Journal of Statistical Physics</i> , 1983, 32, 361-374.	1.2	52
140	Ab initio molecular orbital estimates of charge partitioning between Bjerrum and ionic defects in ice. <i>The Journal of Physical Chemistry</i> , 1983, 87, 4267-4272.	2.9	60
141	Relevance of ice studies to bioenergetics. <i>The Journal of Physical Chemistry</i> , 1983, 87, 4086-4088.	2.9	11
142	Incorporation of the high-frequency dielectric constant into the Kirkwood dielectric equation applied to ice. <i>The Journal of Physical Chemistry</i> , 1983, 87, 4015-4018.	2.9	1
143	Dilatometric studies of the subtransition in dipalmitoylphosphatidylcholine. <i>Biochemistry</i> , 1982, 21, 3817-3821.	2.5	86
144	Procedure for testing kinetic models of the photocycle of bacteriorhodopsin. <i>Biophysical Journal</i> , 1982, 38, 161-174.	0.5	134

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145	Dilatometry and calorimetry of saturated phosphatidylethanolamine dispersions. <i>Biochemistry</i> , 1981, 20, 187-192.	2.5	152
146	UPON THE OPTIMAL GRAPHICAL REPRESENTATION OF FLASH DATA FROM PHOTOCHEMICAL SYSTEMS OBEYING FIRST ORDER KINETICS. <i>Photochemistry and Photobiology</i> , 1981, 33, 937-939.	2.5	16
147	Molecular models of proton pumps. <i>Journal of Chemical Physics</i> , 1981, 74, 1367-1372.	3.0	82
148	Nematic ordering in monomer-dimer system with attractive interactions on a square lattice. <i>Molecular Physics</i> , 1980, 40, 333-346.	1.7	2
149	Theory of the Main Lipid Bilayer Phase Transition. <i>Annual Review of Physical Chemistry</i> , 1980, 31, 157-196.	10.8	504
150	Theory of hydrogen bonded chains in bioenergetics. <i>Journal of Chemical Physics</i> , 1980, 72, 3959-3971.	3.0	186
151	Dilatometric study of binary mixtures of phosphatidylcholines. <i>Biochemistry</i> , 1979, 18, 4244-4249.	2.5	69
152	Lecithin bilayers. Density measurement and molecular interactions. <i>Biophysical Journal</i> , 1978, 23, 159-175.	0.5	589
153	Molecular mechanisms for proton transport in membranes.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1978, 75, 298-302.	7.1	597
154	Phase transitions in "two-dimensional" hydrogen bonded crystals. <i>Ferroelectrics</i> , 1976, 13, 533-535.	0.6	4
155	Phase Transitions-Beyond the Simple Ising Model. <i>Annual Review of Physical Chemistry</i> , 1976, 27, 291-317.	10.8	31
156	Calculations for the Dielectric Anomaly in SnCl ₂ ·2H ₂ O. <i>Journal of the Physical Society of Japan</i> , 1976, 41, 1643-1649.	1.6	17
157	Theory of lipid monolayer and bilayer phase transitions: Effect of headgroup interactions. <i>Journal of Membrane Biology</i> , 1976, 27, 233-250.	2.1	270
158	Model Calculations for Nematic Ordering. <i>Molecular Crystals and Liquid Crystals</i> , 1976, 37, 127-135.	0.8	2
159	Critical Points for Dimer Models with 3 ² -Order Transitions. <i>Physical Review Letters</i> , 1975, 34, 1150-1153.	7.8	38
160	Theory of the antiferroelectric transition in copper formate tetrahydrate. <i>Journal of Physics C: Solid State Physics</i> , 1975, 8, 2788-2798.	1.5	6
161	Chain model theory of lipid monolayer transitions. <i>Journal of Chemical Physics</i> , 1975, 63, 1255-1261.	3.0	65
162	Dielectric constant of ice. <i>Journal of Chemical Physics</i> , 1974, 61, 883-888.	3.0	53

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163	Hopping of ions in ice. <i>Journal of Chemical Physics</i> , 1974, 60, 405-419.	3.0	65
164	Theory of the phase transition in the layered hydrogen-bonded $\text{SnCl}_2 \cdot 2\text{H}_2\text{O}$ crystal. <i>Physical Review B</i> , 1974, 9, 4920-4931.	3.2	60
165	Pressure dependence of the lipid bilayer phase transition. <i>Biochemistry</i> , 1974, 13, 3494-3496.	2.5	68
166	Statistical mechanics of the melting transition in lattice models of polymers. <i>Proceedings of the Royal Society of London Series A, Mathematical and Physical Sciences</i> , 1974, 337, 569-589.	1.4	110
167	Calorimetric Study of Glassy State. IX. Thermodynamic Properties of Stannous Chloride Dihydrate and Dideuterate Crystals. <i>Bulletin of the Chemical Society of Japan</i> , 1974, 47, 57-66.	3.2	77
168	Theory of biomembrane phase transitions. <i>Journal of Chemical Physics</i> , 1973, 58, 252-264.	3.0	235
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