David Chandler

List of Publications by Year
in descending order

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222 papers	43,239 citations	2423 97 h-index	1974 206 g-index
225 all docs	225 docs citations	225 times ranked	18705 citing authors

#	Article	IF	Citations
1	The Cooling Rate- and Volatility-Dependent Glass-Forming Properties of Organic Aerosols Measured by Broadband Dielectric Spectroscopy. Environmental Science & Technology, 2019, 53, 12366-12378.	4.6	37
2	Kinetically controlled glass transition measurement of organic aerosol thin films using broadband dielectric spectroscopy. Atmospheric Measurement Techniques, 2018, 11, 3479-3490.	1.2	15
3	Intra-chain organisation of hydrophobic residues controls inter-chain aggregation rates of amphiphilic polymers. Journal of Chemical Physics, 2017, 146, 135102.	1.2	2
4	From 50 Years Ago, the Birth of Modern Liquid-State Science. Annual Review of Physical Chemistry, 2017, 68, 19-38.	4.8	12
5	Study of the upper-critical dimension of the East model through the breakdown of the Stokes-Einstein relation. Journal of Chemical Physics, 2017, 147, 084504.	1.2	2
6	Reaction rate theory: summarising remarks. Faraday Discussions, 2016, 195, 699-710.	1.6	2
7	Applicability of Dynamic Facilitation Theory to Binary Hard Disk Systems. Physical Review Letters, 2016, 117, 145701.	2.9	25
8	Filaggrin inhibits generation of CD1a neolipid antigens by house dust miteâ€“derived phospholipase. Science Translational Medicine, 2016, 8, 325ra18.	5.8	77
9	Pre-transition effects mediate forces of assembly between transmembrane proteins. ELife, 2016, 5, e13150.	2.8	56
10	Using the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>s</mml:mi></mml:math>ensemble to probe glasses formed by cooling and aging. Physical Review E, 2015, 92, 022304.	0.8	12
11	Comment on â€œSpontaneous liquid-liquid phase separation of waterâ€• Physical Review E, 2015, 91, 016301.	0.8	13
12	Time scales of supercooled water and implications for reversible polyamorphism. Molecular Physics, 2015, 113, 2799-2804.	0.8	31
13	Water Exchange at a Hydrated Platinum Electrode is Rare and Collective. Journal of Physical Chemistry C, 2015, 119, 24016-24024.	1.5	40
14	Robert W. Zwanzig: Formulated nonequilibrium statistical mechanics. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 11572-11573.	3.3	0
15	The molecular structure of the interface between water and a hydrophobic substrate is liquid-vapor like. Journal of Chemical Physics, 2014, 141, 18C519.	1.2	106
16	Premelting, fluctuations, and coarse-graining of water-ice interfaces. Journal of Chemical Physics, 2014, 141, 18C505.	1.2	61
17	Theory of amorphous ices. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9413-9418.	3.3	72
18	The Electric Double Layer Has a Life of Its Own. Journal of Physical Chemistry C, 2014, 118, 18291-18298.	1.5	195

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19	Charge Fluctuations in Nanoscale Capacitors. Physical Review Letters, 2013, 111, 106102.	2.9	129
20	Corresponding states for mesostructure and dynamics of supercooled water. Faraday Discussions, 2013, 167, 485.	1.6	38
21	Water Evaporation: A Transition Path Sampling Study. Journal of Physical Chemistry B, 2013, 117, 1419-1428.	1.2	108
22	Characterizing heterogeneous dynamics at hydrated electrode surfaces. Journal of Chemical Physics, 2013, 138, 184702.	1.2	40
23	The putative liquid-liquid transition is a liquid-solid transition in atomistic models of water. II. Journal of Chemical Physics, 2013, 138, 214504.	1.2	181
24	Hydration of metal surfaces can be dynamically heterogeneous and hydrophobic. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4200-4205.	3.3	242
25	Phase diagram of supercooled water confined to hydrophilic nanopores. Journal of Chemical Physics, 2012, 137, 044509.	1.2	91
26	Sitting at the Edge: How Biomolecules use Hydrophobicity to Tune Their Interactions and Function. Journal of Physical Chemistry B, 2012, 116, 2498-2503.	1.2	191
27	Wired-up water. Nature Chemistry, 2012, 4, 245-247.	6.6	7
28	Constrained dynamics of localized excitations causes a non-equilibrium phase transition in an atomistic model of glass formers. Journal of Chemical Physics, 2012, 136, 184509.	1.2	58
29	Molecular Explanation for Why Talc Surfaces Can Be Both Hydrophilic and Hydrophobic. Journal of the American Chemical Society, 2011, 133, 20521-20527.	6.6	152
30	An improved coarse-grained model of solvation and the hydrophobic effect. Journal of Chemical Physics, 2011, 134, 074109.	1.2	76
31	The putative liquid-liquid transition is a liquid-solid transition in atomistic models of water. Journal of Chemical Physics, 2011, 135, 134503.	1.2	300
32	Excitations Are Localized and Relaxation Is Hierarchical in Glass-Forming Liquids. Physical Review X, 2011, 1, .	2.8	151
33	Quantifying Density Fluctuations in Volumes of All Shapes and Sizes Using Indirect Umbrella Sampling. Journal of Statistical Physics, 2011, 145, 265-275.	0.5	90
34	Preparation and Relaxation of Very Stable Glassy States of a Simulated Liquid. Physical Review Letters, 2011, 107, 275702.	2.9	48
35	Extended surfaces modulate hydrophobic interactions of neighboring solutes. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 17678-17683.	3.3	140
36	Finite-temperature critical point of a glass transition. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12793-12798.	3.3	70

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37	Instantaneous Liquid Interfaces. Journal of Physical Chemistry B, 2010, 114, 1954-1958.	1.2	349
38	Fluctuations of Water near Extended Hydrophobic and Hydrophilic Surfaces. Journal of Physical Chemistry B, 2010, 114, 1632-1637.	1.2	254
39	Corresponding States of Structural Glass Formers. II. Journal of Physical Chemistry B, 2010, 114, 17113-17119.	1.2	98
40	Dynamics on the Way to Forming Glass: Bubbles in Space-Time. Annual Review of Physical Chemistry, 2010, 61, 191-217.	4.8	405
41	Liquids: Condensed, disordered, and sometimes complex. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 15111-15112.	3.3	17
42	Coarse-grained modeling of the interface between water and heterogeneous surfaces. Faraday Discussions, 2009, 141, 209-220.	1.6	38
43	Corresponding States of Structural Glass Formers. Journal of Physical Chemistry B, 2009, 113, 5563-5567.	1.2	207
44	Dynamic Order-Disorder in Atomistic Models of Structural Glass Formers. Science, 2009, 323, 1309-1313.	6.0	333
45	Water at an electrochemical interfaceâ€"a simulation study. Faraday Discussions, 2009, 141, 423-441.	1.6	120
46	The Role of Solvent Fluctuations in Hydrophobic Assemblyâ€. Journal of Physical Chemistry B, 2008, 112, 6187-6192.	1.2	72
47	Negative differential mobility of weakly driven particles in models of glass formers. Physical Review E, 2008, 78, 011506.	0.8	58
48	Decoupling of exchange and persistence times in atomistic models of glass formers. Journal of Chemical Physics, 2007, 127, 211101.	1.2	84
49	Fluctuation-dissipation ratios in the dynamics of self-assembly. Physical Review E, 2007, 76, 021119.	0.8	49
50	Solvent coarse-graining and the string method applied to the hydrophobic collapse of a hydrated chain. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14559-14564.	3.3	155
51	Roles of Repulsive and Attractive Forces in Liquids : The Equilibrium Theory of Classical Fluids. Advances in Chemical Physics, 2007, , 105-156.	0.3	231
52	Segue between Favorable and Unfavorable Solvation. Journal of Physical Chemistry B, 2007, 111, 9025-9030.	1.2	22
53	Oil on troubled waters. Nature, 2007, 445, 831-832.	13.7	95
54	Dynamic Pathways for Viral Capsid Assembly. Biophysical Journal, 2006, 91, 42-54.	0.2	349

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55	Neutron Scattering and Monte Carlo Determination of the Variation of the Critical Nucleus Size with Quench Depthâ€. Journal of Physical Chemistry B, 2006, 110, 3692-3696.	1.2	35
56	Space-time thermodynamics and subsystem observables in a kinetically constrained model of glassy materials. Journal of Chemical Physics, 2006, 125, 184509.	1.2	60
57	Lengthscale dependence of dynamic four-point susceptibilities in glass formers. Physical Review E, 2006, 74, 051501.	0.8	85
58	Interfaces and the driving force of hydrophobic assembly. Nature, 2005, 437, 640-647.	13.7	3,039
59	Decoupling of Self-Diffusion and Structural Relaxation during a Fragile-to-Strong Crossover in a Kinetically Constrained Lattice Gas. ChemPhysChem, 2005, 6, 1783-1785.	1.0	16
60	Thermodynamics of coarse-grained models of supercooled liquids. Journal of Chemical Physics, 2005, 123, 044511.	1.2	18
61	Dynamical exchanges in facilitated models of supercooled liquids. Journal of Chemical Physics, 2005, 123, 084509.	1.2	93
62	Heterogeneity and growing length scales in the dynamics of kinetically constrained lattice gases in two dimensions. Physical Review E, 2005, 72, 041106.	0.8	83
63	Space-time thermodynamics of the glass transition. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 10837-10840.	3.3	180
64	The conformational states of Mgï¿½ATP in water. European Biophysics Journal, 2004, 33, 29-37.	1.2	48
65	Dynamics of Nucleation in the Ising Modelâ€. Journal of Physical Chemistry B, 2004, 108, 19681-19686.	1.2	120
66	Excitation lines and the breakdown of Stokes-Einstein relations in supercooled liquids. Physical Review E, 2004, 69, 061205.	0.8	200
67	Micelle Formation and the Hydrophobic Effect. Journal of Physical Chemistry B, 2004, 108, 6778-6781.	1.2	223
68	Elastic energy storage in ?-sheets with application to F1-ATPase. European Biophysics Journal, 2003, 32, 676-683.	1.2	52
69	A Coarse-Grained Model of Water Confined in a Hydrophobic Tube. Journal of Physical Chemistry B, 2003, 107, 1189-1193.	1.2	124
70	The Unbinding of ATP from F1-ATPase. Biophysical Journal, 2003, 85, 695-706.	0.2	43
71	Gridâ^'Flux Method for Learning the Solvent Contribution to the Mechanisms of Reactions. Journal of Physical Chemistry B, 2003, 107, 2796-2801.	1.2	25
72	Atomistic understanding of kinetic pathways for single base-pair binding and unbinding in DNA. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 13922-13927.	3.3	117

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73	Coarse-grained microscopic model of glass formers. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 9710-9714.	3.3	291
74	Geometrical Explanation and Scaling of Dynamical Heterogeneities in Glass Forming Systems. Physical Review Letters, 2002, 89, 035704.	2.9	383
75	Comment on â€œDissociation of Water under Pressureâ€. Physical Review Letters, 2002, 89, 199601; author reply 199602.	2.9	9
76	Drying-induced hydrophobic polymer collapse. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 6539-6543.	3.3	258
77	The Hydrophobic Effect and the Influence of Soluteâ^'Solvent Attractions. Journal of Physical Chemistry B, 2002, 106, 2047-2053.	1.2	307
78	Hydrophobicity: Two faces of water. Nature, 2002, 417, 491-491.	13.7	321
79	TRANSITIONPATHSAMPLING: Throwing Ropes Over Rough Mountain Passes, in the Dark. Annual Review of Physical Chemistry, 2002, 53, 291-318.	4.8	1,704
80	Bridging the Time Scale Gap with Transition Path Sampling. Lecture Notes in Physics, 2002, , 321-333.	0.3	6
81	Dynamical Aspects of Isomerization and Melting Transitions in [H2O]8â€. Journal of Physical Chemistry A, 2001, 105, 2646-2651.	1.1	36
82	Autoionization in Liquid Water. Science, 2001, 291, 2121-2124.	6.0	672
83	Scaling of Hydrophobic Solvation Free Energiesâ€. Journal of Physical Chemistry B, 2001, 105, 6704-6709.	1.2	238
84	Efficient transition path sampling for nonequilibrium stochastic dynamics. Physical Review E, 2001, 64, 026109.	0.8	79
85	Model of a fluid at small and large length scales and the hydrophobic effect. Physical Review E, 2001, 65, 011201.	0.8	61
86	Ab initio analysis of proton transfer dynamics in (H2O)3H+. Chemical Physics Letters, 2000, 321, 225-230.	1.2	54
87	Stochastic transition pathways in the aqueous sodium chloride dissociation process. Chemical Physics Letters, 2000, 328, 169-176.	1.2	39
88	Transition path sampling: throwing ropes over mountains in the dark. Journal of Physics Condensed Matter, 2000, 12, A147-A152.	0.7	52
89	Polarizability fluctuations in dielectric materials with quenched disorder. Physical Review E, 2000, 62, 4698-4701.	0.8	2
90	Transition path sampling of cavitation between molecular scale solvophobic surfaces. Journal of Chemical Physics, 2000, 113, 8154-8160.	1.2	119

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91	Dielectric response of a polarizable system with quenched disorder. Physical Review E, 2000, 62, 7949-7956.	0.8	3
92	Importance sampling and theory of nonequilibrium solvation dynamics in water. Journal of Chemical Physics, 2000, 113, 9759-9765.	1.2	88
93	Cavity formation and the drying transition in the Lennard-Jones fluid. Physical Review E, 2000, 61, 1501-1506.	0.8	103
94	On the calculation of reaction rate constants in the transition path ensemble. Journal of Chemical Physics, 1999, 110, 6617-6625.	1.2	292
95	Kinetic Pathways of Ion Pair Dissociation in Water. Journal of Physical Chemistry B, 1999, 103, 3706-3710.	1.2	310
96	Semiclassical study of electronically nonadiabatic dynamics in the condensed-phase: Spin-boson problem with Debye spectral density. Journal of Chemical Physics, 1999, 110, 4828-4840.	1.2	159
97	Chemical dynamics of the protonated water trimer analyzed by transition path sampling. Physical Chemistry Chemical Physics, 1999, 1, 1317-1322.	1.3	61
98	Hydrophobicity at Small and Large Length Scales. Journal of Physical Chemistry B, 1999, 103, 4570-4577.	1.2	1,521
99	Sampling ensembles of deterministic transition pathways. Faraday Discussions, 1998, 110, 421-436.	1.6	282
100	Transition path sampling and the calculation of rate constants. Journal of Chemical Physics, 1998, 108, 1964-1977.	1.2	925
101	Efficient transition path sampling: Application to Lennard-Jones cluster rearrangements. Journal of Chemical Physics, 1998, 108, 9236-9245.	1.2	313
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103	Barrier crossings: classical theory of rare but important events. , 1998, , .		32
104	Finding transition pathways: throwing ropes over rough mountain passes, in the dark. , 1998, , .		17
105	Dielectric solvation dynamics of molecules of arbitrary shape and charge distribution. Journal of Chemical Physics, 1998, 108, 2594-2600.	1.2	105
106	Transition pathways in a many-body system: Application to hydrogen-bond breaking in water. Journal of Chemical Physics, 1998, 109, 1125-1133.	1.2	65
107	Gaussian statistics of the hard-sphere fluid. Physical Review E, 1997, 56, 4217-4221.	0.8	46
108	Effect of Environment on Hydrogen Bond Dynamics in Liquid Water. Physical Review Letters, 1996, 76, 928-931.	2.9	974

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109	Gaussian Field Model of Dielectric Solvation Dynamics. The Journal of Physical Chemistry, 1996, 100, 11954-11959.	2.9	91
110	Hydrogen-bond kinetics in liquid water. Nature, 1996, 379, 55-57.	13.7	1,619
111	Quantitative molecular interpretation of curvature elasticity of saturated surfactant monolayers. Physical Review E, 1996, 53, R41-R44.	0.8	8
112	Visualization of fast energy flow and solvent caging in unimolecular dynamics. Nature, 1995, 375, 129-131.	13.7	13
113	Quantitative molecular interpretation of mesoscopic correlations in bicontinuous microemulsions. Physical Review E, 1995, 52, 6497-6507.	0.8	27
114	Statistics of simple chains in a sea of blockers. Journal of Chemical Physics, 1995, 102, 1405-1415.	1.2	16
115	On the mechanism of the primary charge transfer in photosynthesis. AIP Conference Proceedings, 1994, , .	0.3	0
116	Energy Flow during Isomerization Reactions in Liquids. The Journal of Physical Chemistry, 1994, 98, 12310-12314.	2.9	6
117	Phase diagram for excess electrons in simple fluids. Physical Review E, 1994, 49, 2851-2865.	0.8	39
118	Formation of interfaces in bicontinuous phases. Physical Review E, 1994, 49, 4276-4286.	0.8	13
119	Charge-frustrated model of bicontinuous phases. Physical Review E, 1994, 49, 4268-4275.	0.8	26
120	Diffusion of ionic penetrants in charged disordered media. Journal of Chemical Physics, 1994, 100, 1528-1541.	1.2	41
121	Classical diffusion in strong random media. Journal of Statistical Physics, 1994, 76, 911-927.	0.5	61
122	Structure and hydrogen bond dynamics of waterâ€“dimethyl sulfoxide mixtures by computer simulations. Journal of Chemical Physics, 1993, 98, 8160-8173.	1.2	778
123	Combined neutron diffraction and computer simulation study of liquid dimethyl sulphoxide. Journal of Chemical Physics, 1993, 99, 6836-6847.	1.2	116
124	Umbrella sampling molecular dynamics study of the dielectric constant of water. Molecular Physics, 1993, 78, 1155-1165.	0.8	39
125	Gaussian field model of fluids with an application to polymeric fluids. Physical Review E, 1993, 48, 2898-2905.	0.8	179
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127	Electrostatic analogy for surfactant assemblies. The Journal of Physical Chemistry, 1992, 96, 4077-4083.	2.9	114
128	Monte Carlo study of polymers in equilibrium with random obstacles. Journal of Chemical Physics, 1992, 96, 835-841.	1.2	63
129	Quantum theory for free energies of electron transfer. Journal of Chemical Physics, 1992, 97, 4958-4963.	1.2	46
130	Theory of percolation in fluids of long molecules. Journal of Statistical Physics, 1991, 63, 837-856.	0.5	44
131	Pathâ€integral calculation of the tunnel splitting in aqueous ferrousâ€“ferric electron transfer. Journal of Chemical Physics, 1991, 95, 889-894.	1.2	45
132	Reference interaction site model polaron theory of the hydrated electron. Journal of Chemical Physics, 1991, 95, 4444-4453.	1.2	96
133	Coherent-incoherent transition and relaxation in condensed-phase tunneling systems. Physical Review A, 1991, 44, 2352-2369.	1.0	112
134	Molecular dynamics study of cyclohexane interconversion. Chemical Physics, 1990, 149, 11-20.	0.9	48
135	Solving the sign problem in quantum Monte Carlo dynamics. Physical Review A, 1990, 41, 5709-5712.	1.0	82
136	Computer simulation of photochemically induced electron transfer. Chemical Physics Letters, 1989, 157, 501-504.	1.2	178
137	Time correlation function and path integral analysis of quantum rate constants. The Journal of Physical Chemistry, 1989, 93, 7009-7015.	2.9	111
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139	Stochastic molecular dynamics study of cyclohexane isomerization. The Journal of Physical Chemistry, 1988, 92, 3261-3267.	2.9	74
140	Molecular model for aqueous ferrousâ€“ferric electron transfer. Journal of Chemical Physics, 1988, 89, 3248-3257.	1.2	417
141	Two simulation studies of chemical dynamics in liquids. Faraday Discussions of the Chemical Society, 1988, 85, 329.	2.2	38
142	Dynamics with the effective adiabatic theory: The Bloch equations. Journal of Chemical Physics, 1988, 89, 452-458.	1.2	16
143	Comments on a model influence functional for quantum systems. Journal of Chemical Physics, 1988, 88, 2861-2862.	1.2	3
144	Field Theoretic Models of Liquids. NATO ASI Series Series B: Physics, 1988, , 1-14.	0.2	1

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145	Geometrical Perspectives of a Solvated Electron. NATO ASI Series Series B: Physics, 1988, , 173-177.	0.2	0
146	A density functional treatment of the hard dumbbell freezing transition. Journal of Chemical Physics, 1987, 87, 4853-4858.	1.2	73
147	Comparative study of theory and simulation calculations for excess electrons in simple fluids. Journal of Chemical Physics, 1987, 87, 4088-4092.	1.2	79
148	Excess electrons in simple fluids. IV. Real time behavior. Journal of Chemical Physics, 1987, 87, 6671-6681.	1.2	48
149	Density-functional theory for the freezing of water. Physical Review Letters, 1987, 59, 1698-1701.	2.9	44
150	Comment on â€œa new rism integral equation for solvent polymersâ€• Chemical Physics Letters, 1987, 140, 108-110.	1.2	18
151	[3] Theoretical and computational studies of hydrophobic interactions. Methods in Enzymology, 1986, 127, 48-63.	0.4	21
152	Roles of classical dynamics and quantum dynamics on activated processes occurring in liquids. Journal of Statistical Physics, 1986, 42, 49-67.	0.5	88
153	RISM calculation of the activation barrier for isomerization of solvated cyclohexane. The Journal of Physical Chemistry, 1986, 90, 6015-6017.	2.9	21
154	Excess electrons in simple fluids. III. Role of solvent polarization. Journal of Chemical Physics, 1986, 84, 398-403.	1.2	43
155	Nonâ€Gaussian influence functional for quantum systems. Journal of Chemical Physics, 1986, 84, 1724-1731.	1.2	8
156	Density functional theory of nonuniform polyatomic systems. I. General formulation. Journal of Chemical Physics, 1986, 85, 5971-5976.	1.2	358
157	Density functional theory of nonuniform polyatomic systems. II. Rational closures for integral equations. Journal of Chemical Physics, 1986, 85, 5977-5982.	1.2	223
158	Staging: A sampling technique for the Monte Carlo evaluation of path integrals. Physical Review B, 1985, 31, 4234-4244.	1.1	172
159	Computer simulation of a quantum particle in a quenched disordered system: Direct observation of Lifshitz traps. Physical Review B, 1985, 32, 545-547.	1.1	44
160	Simulation of an excess electron in a hard sphere fluid. Journal of Chemical Physics, 1985, 83, 3042-3049.	1.2	63
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162	Effective adiabatic approximation for a two level system coupled to a bath. Journal of Chemical Physics, 1985, 82, 3400-3404.	1.2	88

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164	Calculation of orientational pair correlation factors with the interaction site formalism. Journal of Chemical Physics, 1984, 80, 4484-4487.	1.2	18
165	Excess electrons in simple fluids. II. Numerical results for the hard sphere solvent. Journal of Chemical Physics, 1984, 81, 5109-5116.	1.2	137
166	Quantum theory of solvation. The Journal of Physical Chemistry, 1984, 88, 3400-3407.	2.9	38
167	Quantum theory of solvent effects on electronic spectra: Predictions of the exact solution of the mean spherical model. Journal of Chemical Physics, 1983, 78, 4118-4125.	1.2	55
168	Theory of orientational pair correlations in molecular fluids. The Journal of Physical Chemistry, 1983, 87, 2060-2064.	2.9	15
169	Vibrational dephasing and frequency shifts of polyatomic molecules in solution. Journal of Chemical Physics, 1982, 76, 2296-2314.	1.2	385
170	Electronic States of a Topologically Disordered System: Exact Solution of the Mean Spherical Model for Liquids. Physical Review Letters, 1982, 49, 1100-1103.	2.9	80
171	New and proper integral equations for site-site equilibrium correlations in molecular fluids. Molecular Physics, 1982, 46, 1335-1345.	0.8	169
172	Quantum theory of polarization in liquids: Exact solution of the mean spherical and related approximations. Journal of Chemical Physics, 1982, 76, 1128-1135.	1.2	94
173	Calculation of the dielectric constant of polyatomic fluids with the interaction site formalism. Molecular Physics, 1982, 47, 871-879.	0.8	39
174	Convenient and accurate discretized path integral methods for equilibrium quantum mechanical calculations. Journal of Chemical Physics, 1981, 75, 1347-1364.	1.2	209
175	Exploiting the isomorphism between quantum theory and classical statistical mechanics of polyatomic fluids. Journal of Chemical Physics, 1981, 74, 4078-4095.	1.2	1,077
176	Constrained impulsive molecular dynamics. Molecular Physics, 1981, 42, 1233-1143.	0.8	23
177	Comment on the structure of a simple liquid solvent near a nâ€butane solute molecule. Journal of Chemical Physics, 1980, 73, 1002-1003.	1.2	15
178	Hydrophobic interactions and osmotic second virial coefficients for methanol in water. Journal of Solution Chemistry, 1980, 9, 1-17.	0.6	41
179	Isomerization dynamics in liquids by molecular dynamics. Chemical Physics Letters, 1980, 75, 162-168.	1.2	139
180	Stochastic molecular dynamics study of transâ€“gauche isomerization processes in simple chain molecules. Journal of Chemical Physics, 1980, 73, 3688-3694.	1.2	83

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182	Effects of soluteâ€“solvent attractive forces on hydrophobic correlations. Journal of Chemical Physics, 1980, 73, 3434-3441.	1.2	138
183	Effective intramolecular potentials for molecular bromine in argon. Comparison of theory with simulation. Journal of Chemical Physics, 1980, 72, 4045-4048.	1.2	30
184	RISM calculation of the structure of liquid chloroform. Molecular Physics, 1979, 37, 299-301.	0.8	25
185	A molecular dynamics and Monte Carlo study of solvent effects on the conformational equilibrium	1.2	167
186	Comment on the role of constraints on the conformational structure of n-butane in liquid solvents. Journal of Chemical Physics, 1979, 71, 5386.	1.2	39
187	Trajectory analysis of a kinetic theory for isomerization dynamics in condensed phases. Journal of Chemical Physics, 1979, 70, 4056-4066.	1.2	294
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189	Statistical mechanics of small chain molecules in liquids. I. Effects of liquid packing on conformational structures. Journal of Chemical Physics, 1978, 68, 4202-4212.	1.2	157
190	Statistical mechanics of small chain molecules in liquids. II. Intermolecular pair correlations for liquidnâ€butane. Journal of Chemical Physics, 1978, 68, 4213-4217.	1.2	65
191	The dielectric constant and related equilibrium properties of molecular fluids: Interaction site cluster theory analysis. Journal of Chemical Physics, 1977, 67, 1113.	1.2	111
192	Comparisons of Monte Carlo and RISM calculations of pair correlation functions. Journal of Chemical Physics, 1977, 66, 5231-5234.	1.2	59
193	Interaction site cluster series for the Helmholtz free energy and variational principle for chemical equilibria and intramolecular structures. Journal of Chemical Physics, 1977, 66, 147-151.	1.2	104
194	Theory of the hydrophobic effect. Journal of Chemical Physics, 1977, 67, 3683-3704.	1.2	797
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196	Statistical mechanics of chemical equilibria and intramolecular structures of nonrigid molecules in condensed phases. Journal of Chemical Physics, 1976, 65, 2925-2940.	1.2	286
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200	Translational and rotational diffusion in liquids. I. Translational singleâ€particle correlation functions. Journal of Chemical Physics, 1974, 60, 3500-3507.	1.2	136
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