Gren N Patey

List of Publications by Year
in descending order

192 papers	9,447 citations	28190 55 h-index	54797 84 g-index
194 all docs	194 docs citations	194 times ranked	3935 citing authors

#	Article	IF	Citations
1	Ice Nucleation by the Primary Prism Face of Silver Iodide. Journal of Physical Chemistry C, 2022, 126, 6716-6723.	1.5	3
2	How Microscopic Features of Mineral Surfaces Critically Influence Heterogeneous Ice Nucleation. Journal of Physical Chemistry C, 2021, 125, 10723-10737.	1.5	12
3	Analysis of the relative stability of lithium halide crystal structures: Density functional theory and classical models. Journal of Chemical Physics, 2021, 154, 184507.	1.2	2
4	Molecular Simulations of Feldspar Surfaces Interacting with Aqueous Inorganic Solutions: Interfacial Water/Ion Structure and Implications for Ice Nucleation. ACS Earth and Space Chemistry, 2021, 5, 2169-2183.	1.2	15
5	Unraveling the Mechanism of Ice Nucleation by Mica (001) Surfaces. Journal of Physical Chemistry C, 2021, 125, 26927-26941.	1.5	7
6	Effects of Inorganic Ions on Ice Nucleation by the Al Surface of Kaolinite Immersed in Water. Journal of Physical Chemistry B, 2020, 124, 4605-4618.	1.2	18
7	Unified Description of Diffusion Coefficients from Small to Large Molecules in Organicâ€“Water Mixtures. Journal of Physical Chemistry A, 2020, 124, 2301-2308.	1.1	19
8	Why Î±-Alumina Is an Effective Ice Nucleus. Journal of Physical Chemistry C, 2019, 123, 26424-26431.	1.5	8
9	Simulations of water structure and the possibility of ice nucleation on selected crystal planes of K-feldspar. Journal of Chemical Physics, 2019, 150, 214501.	1.2	23
10	Structural behavior of aqueous t-butanol solutions from large-scale molecular dynamics simulations. Journal of Chemical Physics, 2019, 150, 184504.	1.2	19
11	The influence of ion hydration on nucleation and growth of LiF crystals in aqueous solution. Journal of Chemical Physics, 2018, 148, 024507.	1.2	3
12	Mechanism of Urea Crystal Dissolution in Water from Molecular Dynamics Simulation. Journal of Physical Chemistry B, 2018, 122, 1213-1222.	1.2	12
13	A molecular dynamics investigation of the influence of water structure on ion conduction through a carbon nanotube. Journal of Chemical Physics, 2017, 146, 074502.	1.2	30
14	Crystal structures of model lithium halides in bulk phase and in clusters. Journal of Chemical Physics, 2017, 146, 154501.	1.2	9
15	Comparison of simulation and experimental results for a model aqueous tert-butanol solution. Journal of Chemical Physics, 2017, 147, 024503.	1.2	15
16	Simulated conduction rates of water through a (6,6) carbon nanotube strongly depend on bulk properties of the model employed. Journal of Chemical Physics, 2016, 144, 184502.	1.2	47
17	Birth of NaCl Crystals: Insights from Molecular Simulations. Journal of Physical Chemistry B, 2016, 120, 9076-9087.	1.2	41
18	Simulations of Ice Nucleation by Model AgI Disks and Plates. Journal of Physical Chemistry B, 2016, 120, 2291-2299.	1.2	33

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19	Simulations of Ice Nucleation by Kaolinite (001) with Rigid and Flexible Surfaces. Journal of Physical Chemistry B, 2016, 120, 1726-1734.	1.2	73
20	Melting point trends and solid phase behaviors of model salts with ion size asymmetry and distributed cation charge. Journal of Chemical Physics, 2015, 143, 024508.	1.2	20
21	Fluctuations and local ice structure in model supercooled water. Journal of Chemical Physics, 2015, 143, 094504.	1.2	35
22	A Molecular Mechanism of Ice Nucleation on Model AgI Surfaces. Journal of Physical Chemistry B, 2015, 119, 9049-9055.	1.2	95
23	Molecular Dynamics Simulation of NaCl Dissolution. Journal of Physical Chemistry B, 2015, 119, 4275-4283.	1.2	43
24	Structure and aggregation in model tetramethylurea solutions. Journal of Chemical Physics, 2014, 141, 064502.	1.2	14
25	Understanding electrofreezing in water simulations. Journal of Chemical Physics, 2014, 141, 074501.	1.2	27
26	How distributed charge reduces the melting points of model ionic salts. Journal of Chemical Physics, 2014, 140, 104504.	1.2	8
27	Simulations of water transport through carbon nanotubes: How different water models influence the conduction rate. Journal of Chemical Physics, 2014, 141, 18C518.	1.2	52
28	Evidence that crystal nucleation in aqueous NaCl solution Occurs by the two-step mechanism. Chemical Physics Letters, 2013, 587, 25-29.	1.2	53
29	An analysis of fluctuations in supercooled TIP4P/2005 water. Journal of Chemical Physics, 2013, 138, 184502.	1.2	51
30	The composition of ternary N2/CH4/C2H6 cloud droplets under Titan conditions: Monte Carlo simulations and experiment. Molecular Physics, 2013, 111, 2233-2242.	0.8	1
31	How Crystals Nucleate and Grow in Aqueous NaCl Solution. Journal of Physical Chemistry Letters, 2013, 4, 573-578.	2.1	85
32	Ice nucleation by electric surface fields of varying range and geometry. Journal of Chemical Physics, 2013, 139, 144501.	1.2	35
33	Aggregation in dilute aqueous tert-butyl alcohol solutions: Insights from large-scale simulations. Journal of Chemical Physics, 2012, 137, 034509.	1.2	69
34	Molecular Dynamics Simulations of Ice Nucleation by Electric Fields. Journal of Physical Chemistry A, 2012, 116, 7057-7064.	1.1	64
35	Influence of Urea on tert-Butyl Alcohol Aggregation in Aqueous Solutions. Journal of Physical Chemistry B, 2012, 116, 4991-5001.	1.2	7
36	Understanding the Structure Factor and Isothermal Compressibility of Ambient Water in Terms of Local Structural Environments. Journal of Physical Chemistry B, 2012, 116, 12014-12020.	1.2	56

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37	Heterogeneous Ice Nucleation Induced by Electric Fields. Journal of Physical Chemistry Letters, 2011, 2, 2555-2559.	2.1	82
38	Association and Microheterogeneity in Aqueous 2-Butoxyethanol Solutions. Journal of Physical Chemistry B, 2011, 115, 15323-15331.	1.2	34
39	The composition of liquid methaneâ€“nitrogen aerosols in Titanâ€™s lower atmosphere from Monte Carlo simulations. Icarus, 2011, 212, 779-789.	1.1	12
40	The influence of water on the structural and transport properties of model ionic liquids. Journal of Chemical Physics, 2010, 132, 234510.	1.2	49
41	Charge Ordering Induces a Smectic Phase in Oblate Ionic Liquid Crystals. Physical Review Letters, 2010, 105, 137801.	2.9	22
42	Structural and dynamical properties of ionic liquids: Competing influences of molecular properties. Journal of Chemical Physics, 2010, 132, 154504.	1.2	44
43	Structure and adsorption of water in nonuniform cylindrical nanopores. Journal of Chemical Physics, 2010, 133, 224703.	1.2	4
44	Ion Solvation in a Waterâ^'Urea Mixture. Journal of Physical Chemistry B, 2010, 114, 613-619.	1.2	28
45	Water Adsorption on Kaolinite Surfaces Containing Trenches. Journal of Physical Chemistry A, 2010, 114, 2171-2178.	1.1	34
46	Observations of High-Density Ferroelectric Ordered Water in Kaolinite Trenches using Monte Carlo Simulations. Journal of Physical Chemistry A, 2010, 114, 8396-8405.	1.1	38
47	Wallâ€“colloid interaction in nematic solvents: external field effects. Journal of Physics Condensed Matter, 2009, 21, 245105.	0.7	1
48	Structural and dynamical properties of ionic liquids: The influence of charge location. Journal of Chemical Physics, 2009, 130, 104506.	1.2	45
49	Simulation of Water Adsorption on Kaolinite under Atmospheric Conditions. Journal of Physical Chemistry A, 2009, 113, 7826-7833.	1.1	73
50	An Accurate Equation of State for Fluids and Solids. Journal of Physical Chemistry B, 2009, 113, 11977-11987.	1.2	36
51	Vapourâ€“liquid phase transition of dipolar particles. Molecular Physics, 2009, 107, 403-413.	0.8	46
52	Adsorption and Structure of Water on Kaolinite Surfaces: Possible Insight into Ice Nucleation from Grand Canonical Monte Carlo Calculations. Journal of Physical Chemistry A, 2008, 112, 10708-10712.	1.1	72
53	Hydrophobic Interactions in Ureaâ^'Trimethylamine-N-oxide Solutions. Journal of Physical Chemistry B, 2008, 112, 11106-11111.	1.2	45
54	Structural and dynamical properties of ionic liquids: The influence of ion size disparity. Journal of Chemical Physics, 2008, 129, 064517.	1.2	63

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55	Bridging the gap between phenomenology and microscopic theory: Asymptotes in nematic colloids. Physical Review E, 2008, 77, 041701.	0.8	5
56	Water adsorption in ion-bearing nanopores. Journal of Chemical Physics, 2007, 126, 024703.	1.2	17
57	Structure and Interaction in Aqueous Ureaâ˜Trimethylamine-N-oxide Solutions. Journal of the American Chemical Society, 2007, 129, 4476-4482.	6.6	146
58	The Influence of Urea and Trimethylamine-N-oxide on Hydrophobic Interactions. Journal of Physical Chemistry B, 2007, 111, 7932-7933.	1.2	62
59	Dielectric Constants of Fluid Models: Statistical Mechanical Theory and its Quantitative Implementation. Advances in Chemical Physics, 2007, , 183-328.	0.3	260
60	Whytert-Butyl Alcohol Associates in Aqueous Solution but Trimethylamine-N-oxide Does Not. Journal of Physical Chemistry B, 2006, 110, 10514-10518.	1.2	75
61	Tracer diffusion in hard sphere fluids from molecular to hydrodynamic regimes. Journal of Chemical Physics, 2006, 125, 204502.	1.2	42
62	Nanoscopic Liquid Bridges between Chemically Patterned Atomistic Wallsâ€. Journal of Physical Chemistry B, 2006, 110, 3764-3772.	1.2	9
63	The interaction of patterned solutes in binary solvent mixtures. Journal of Chemical Physics, 2006, 124, 094901.	1.2	7
64	Structures and rearrangements of LiCl clusters. Journal of Chemical Physics, 2006, 124, 244506.	1.2	19
65	Nematic-fluid structure in wall-field geometry. II. The direct correlation function. Journal of Chemical Physics, 2006, 125, 034903.	1.2	2
66	Monte Carlo simulations of the adsorption of CO2 on the MgO(100) surface. Journal of Chemical Physics, 2006, 124, 114706.	1.2	52
67	Colloidal interactions in nematic fluids. Physical Review E, 2006, 73, 020701.	0.8	5
68	First passage times of driven DNA hairpin unzipping. Physical Biology, 2005, 2, 166-174.	0.8	15
69	Nematic fluid structure in wall-field geometry. Journal of Chemical Physics, 2005, 122, 034703.	1.2	6
70	Colloid-induced structure in liquid crystal media. Journal of Chemical Physics, 2005, 122, 124907.	1.2	4
71	Solvent phase behavior and the interaction of uniform and patterned solutes. Journal of Chemical Physics, 2005, 123, 194505.	1.2	3
72	Surface-Induced Ordering of Nematics in an External Field: The Strong Influence of Tilted Walls. Physical Review Letters, 2004, 92, 185508.	2.9	7

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73	Shearing of nanoscopic bridges in two-component thin liquid layers between chemically patterned walls. Journal of Chemical Physics, 2004, 121, 6508-6517.	1.2	6
74	Constant-volume heat capacity in a near-critical fluid from Monte Carlo simulations. Journal of Chemical Physics, 2004, 121, 8956-8959.	1.2	4
75	Surfactant-stabilized structures in confined liquids. Journal of Chemical Physics, 2003, 119, 8676-8685.	1.2	7
76	Liquidâ€“vapor criticality in a fluid of charged hard dumbbells. Journal of Chemical Physics, 2003, 119, 7952-7956.	1.2	17
77	The constant-volume heat capacity of near-critical fluids with long-range interactions: A discussion of different Monte Carlo estimates. Journal of Chemical Physics, 2003, 118, 4164-4168.	1.2	6
78	Dielectric relaxation of chained ferrofluids. Journal of Chemical Physics, 2002, 116, 6731-6737.	1.2	18
79	Orientational ordering and disordering of a simple dipolar fluid under shear flow. Journal of Chemical Physics, 2002, 117, 9016-9027.	1.2	6
80	Molecular dynamics simulations of a ferroelectric nematic liquid under shear flow. Journal of Chemical Physics, 2002, 117, 8551-8564.	1.2	6
81	Forces between chemically patterned plates immersed in binary liquid mixtures. Journal of Chemical Physics, 2002, 117, 3391-3397.	1.2	12
82	Nonequilibrium molecular dynamics simulations of a simple dipolar fluid under shear flow. Journal of Chemical Physics, 2002, 117, 2747-2761.	1.2	20
83	Coexistence and criticality of fluids with long-range potentials. Journal of Chemical Physics, 2001, 114, 399.	1.2	48
84	Demixing and the force between parallel plates immersed in binary liquid mixtures. Journal of Chemical Physics, 2001, 114, 7182-7188.	1.2	24
85	Ferroelectric order in positionally frozen dipolar systems. Journal of Chemical Physics, 2001, 115, 4718-4731.	1.2	22
86	Crystallization of dipolar spheres: A discussion of second-order density functional theory. Journal of Chemical Physics, 2000, 112, 10949-10956.	1.2	14
87	Forces between like-charged walls in an electrolyte solution: A comparison of McMillanâ€“Mayer results for several models. Journal of Chemical Physics, 2000, 113, 2851-2855.	1.2	10
88	Isotropic Fluid Phases of Dipolar Hard Spheres. Physical Review Letters, 2000, 84, 115-118.	2.9	147
89	Structure and scattering in colloidal ferrofluids. Physical Review E, 2000, 62, 5403-5408.	0.8	125
90	Forces between like-charged walls in electrolyte solution: Molecular solvent effects at the McMillanâ€“Mayer level. Journal of Chemical Physics, 2000, 112, 8939-8949.	1.2	20

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91	Integral equation theory for dipolar hard sphere fluids with fluctuating orientational order. Journal of Chemical Physics, 2000, 112, 3832-3844.	1.2	30
92	Structure formation in dipolar fluids driven by rotating fields. Journal of Chemical Physics, 2000, 112, 9828-9833.	1.2	21
93	Liquid-vapor coexistence in fluids of dipolar hard dumbbells and spherocylinders. Physical Review E, 1999, 59, 3065-3070.	0.8	44
94	Ion association in model ionic fluids. Physical Review E, 1999, 60, 1063-1066.	0.8	27
95	Orientational order in model dipolar fluids. Physical Review E, 1999, 60, 4280-4284.	0.8	13
96	Ion association and condensation in primitive models of electrolyte solutions. Journal of Chemical Physics, 1999, 111, 9000-9008.	1.2	52
97	Phase behavior of ionic solutions: Comparison of the primitive and explicit solvent models. Journal of Chemical Physics, 1999, 110, 1633-1637.	1.2	26
98	Ion solvation dynamics in waterâ€“methanol and waterâ€“ dimethylsulfoxide mixtures. Journal of Chemical Physics, 1999, 110, 10937-10944.	1.2	77
99	A Monte Carlo study of model electrorheological fluids. Journal of Chemical Physics, 1999, 111, 3278-3287.	1.2	11
100	A simple model of spin transitions in polymeric materials. Journal of Physics Condensed Matter, 1998, 10, 10909-10917.	0.7	1
101	An investigation of dynamical density functional theory for solvation in simple mixtures. Journal of Chemical Physics, 1998, 108, 6378-6386.	1.2	38
102	Theory of ion solvation dynamics in mixed dipolar solvents. Journal of Chemical Physics, 1998, 109, 3222-3231.	1.2	49
103	Gas-liquid coexistence and demixing in systems with highly directional pair potentials. Physical Review E, 1998, 57, 5682-5686.	0.8	27
104	Modeling and structure of mercury-water interfaces. Journal of Chemical Physics, 1997, 107, 2122-2141.	1.2	54
105	Liquid crystal phases of dipolar discotic particles. Physical Review E, 1997, 55, 447-454.	0.8	26
106	An investigation of the influence of solute size and insertion conditions on solvation thermodynamics. Journal of Chemical Physics, 1997, 106, 8165-8195.	1.2	80
107	Ion solvation dynamics in binary mixtures. Journal of Chemical Physics, 1997, 106, 2782-2791.	1.2	45
108	Structure of the metal-aqueous electrolyte solution interface. Journal of Chemical Physics, 1997, 107, 4719-4728.	1.2	43

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109	Ferroelectric and dipolar glass phases of noncrystalline systems. Physical Review E, 1997, 56, 562-570.	0.8	39
110	Remarks on the forces between macroscopic particles in solution. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1996, 100, 885-888.	0.9	18
111	Ferroelectric Order in Model Discotic Nematic Liquid Crystals. Physical Review Letters, 1996, 76, 239-242.	2.9	38
112	A comparison of liquidâ€“vapor coexistence in charged hard sphere and charged hard dumbbell fluids. Journal of Chemical Physics, 1995, 103, 8299-8301.	1.2	51
113	Structure of the metalâ€electrolyte solution interface: Theoretical results for simple models. Journal of Chemical Physics, 1995, 102, 1024-1033.	1.2	26
114	A generalized Gaussian overlap model for fluids of anisotropic particles. Journal of Chemical Physics, 1995, 102, 9040-9047.	1.2	28
115	A configuration bias Monte Carlo method for water. Journal of Chemical Physics, 1995, 102, 7656-7663.	1.2	56
116	Orientational Ordering in Spatially Disordered Dipolar Systems. Physical Review Letters, 1995, 75, 2360-2363.	2.9	51
117	A configuration bias Monte Carlo method for ionic solutions. Journal of Chemical Physics, 1994, 100, 8265-8270.	1.2	21
118	Stability of binary mixtures: Supersaturation limits of aqueous alkali halide solutions. Journal of Chemical Physics, 1994, 100, 3827-3842.	1.2	23
119	Structure and properties of the metalâ€“liquid interface. Journal of Chemical Physics, 1994, 101, 6271-6280.	1.2	45
120	Ground state configurations of model molecular clusters. Journal of Chemical Physics, 1994, 100, 2213-2219.	1.2	35
121	Dielectric relaxation of electrolyte solutions: Molecular dynamics and theoretical results for ions in simple dipolar solvents. Journal of Chemical Physics, 1994, 100, 8385-8391.	1.2	30
122	Solvation dynamics in electrolyte solutions. Journal of Chemical Physics, 1994, 100, 1552-1558.	1.2	32
123	Structure of twoâ€component clusters. Journal of Chemical Physics, 1994, 101, 2432-2445.	1.2	63
124	Dielectric relaxation of electrolyte solutions: Is there really a kinetic dielectric decrement?. Journal of Chemical Physics, 1993, 98, 4959-4966.	1.2	50
125	Molecular solvent model for an electrical double layer: Effects of ionic polarizability. Journal of Chemical Physics, 1993, 99, 3990-3997.	1.2	24
126	The frequency dependent conductivity of electrolyte solutions. Journal of Chemical Physics, 1993, 99, 2083-2094.	1.2	59

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127	Dielectric relaxation of dipolar liquids. Journal of Chemical Physics, 1993, 99, 2068-2073.	1.2	21
128	Cavitation of a Lennardâ€Jones fluid between hard walls, and the possible relevance to the attraction measured between hydrophobic surfaces. Journal of Chemical Physics, 1993, 98, 7236-7244.	1.2	143
129	Orientational order in simple dipolar fluids: Density-functional theory and absolute-stability conditions. Physical Review E, 1993, 47, 506-512.	0.8	71
130	Dynamical properties of a ferroelectric nematic liquid crystal. Physical Review E, 1993, 47, 2954-2957.	0.8	15
131	Microscopic theory of solvation dynamics in dipolar liquids. Journal of Chemical Physics, 1993, 99, 4926-4931.	1.2	39
132	Long-range attractions between solutes in near-critical fluids. Physical Review A, 1992, 45, 7621-7623.	1.0	37
133	Orientational order in simple dipolar liquids: Computer simulation of a ferroelectric nematic phase. Physical Review Letters, 1992, 68, 2043-2045.	2.9	260
134	On the existence of exact conditions in the theory of electrical double layers. Journal of Chemical Physics, 1992, 96, 3767-3771.	1.2	25
135	A mean field theory for fluids of multipolar particles in contact with a polarizable wall. Journal of Chemical Physics, 1992, 97, 4372-4379.	1.2	20
136	Ferroelectric liquid-crystal and solid phases formed by strongly interacting dipolar soft spheres. Physical Review A, 1992, 46, 7783-7792.	1.0	157
137	Continuum electrostatic interactions between planar lattices of dipoles and the possible relevance to the hydration force. Physical Review A, 1991, 43, 2953-2962.	1.0	17
138	Dielectric relaxation of liquid mixtures. Journal of Chemical Physics, 1991, 94, 6785-6794.	1.2	18
139	Molecular solvent models of electrical double layers. Electrochimica Acta, 1991, 36, 1677-1684.	2.6	42
140	Interaction free energy between planar walls in dense fluids: An Ornstein-Zernike approach with results for hard-sphere, Lennard-Jones, and dipolar systems. Physical Review A, 1991, 44, 8224-8234.	1.0	74
141	The crystallization of alkali halides from aqueous solution: An application of densityâ€functional theory. Journal of Chemical Physics, 1991, 95, 485-493.	1.2	5
142	Activity coefficients of model aqueous electrolyte solutions: Sensitivity to the short range part of the interionic potential. Journal of Chemical Physics, 1991, 94, 6782-6784.	1.2	9
143	The application of integral equation theories to fluids of nonspherical particles near a uniform planar wall. Journal of Chemical Physics, 1991, 95, 5281-5288.	1.2	40
144	Dielectric relaxation of electrolyte solutions. Journal of Chemical Physics, 1991, 94, 6795-6806.	1.2	28

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145	Critical comments on the nonlocal dielectric function employed in recent theories of the hydration force. Chemical Physics Letters, 1990, 172, 69-72.	1.2	43
146	Dynamics of molecular liquids: A comparison of different theories with application to wave vector dependent dielectric relaxation and ion solvation. Journal of Chemical Physics, 1990, 93, 1399-1411.	1.2	71
147	The interaction between macroparticles in molecular fluids. Journal of Chemical Physics, 1990, 93, 7360-7368.	1.2	25
148	On the molecular theory of aqueous electrolyte solutions. IV. Effects of solvent polarizability. Journal of Chemical Physics, 1990, 92, 1345-1358.	1.2	23
149	Hypernettedâ€¢chain closure with bridge diagrams. Asymmetric hard sphere mixtures. Journal of Chemical Physics, 1990, 92, 4970-4982.	1.2	129
150	Theory of the electrical double layer: Ion size effects in a molecular solvent. Journal of Chemical Physics, 1989, 91, 6367-6375.	1.2	61
151	Fluids of dipolar hard ellipsoids: Structural properties and isotropicâ€“nematic phase transitions. Journal of Chemical Physics, 1989, 91, 3045-3055.	1.2	68
152	Molecular solvent model for an electrical double layer: Reference hypernetted chain results for potassium chloride solutions. Journal of Chemical Physics, 1989, 90, 4513-4527.	1.2	43
153	Rotational motion in molecular liquids. Journal of Chemical Physics, 1989, 91, 7113-7129.	1.2	60
154	The solution of the reference hypernetted-chain approximation for water-like models. Molecular Physics, 1988, 65, 1105-1119.	0.8	122
155	On the molecular theory of aqueous electrolyte solutions. I. The solution of the RHNC approximation for models at finite concentration. Journal of Chemical Physics, 1988, 88, 7715-7738.	1.2	227
156	The solution of the hypernettedâ€¢chain and Percusâ€“Yevick approximations for fluids of hard spherocylinders. Journal of Chemical Physics, 1988, 89, 5861-5868.	1.2	70
157	Molecular solvent model for an electrical double layer: Reference hypernettedâ€¢chain results for ion behavior at infinite dilution. Journal of Chemical Physics, 1988, 89, 3285-3294.	1.2	31
158	Molecular solvent model for an electrical double layer: Reference hypernettedâ€¢chain (RHNC) results for solvent structure at a charged surface. Journal of Chemical Physics, 1988, 88, 7826-7840.	1.2	94
159	Density functional theory applied to the isotropicâ€“nematic transition in model liquid crystals. Journal of Chemical Physics, 1988, 89, 6941-6946.	1.2	78
160	On the molecular theory of aqueous electrolyte solutions. III. A comparison between Bornâ€“Oppenheimer and McMillanâ€“Mayer levels of description. Journal of Chemical Physics, 1988, 89, 7478-7484.	1.2	32
161	A theoretical study of the solidâ€“electrolyte solution interface. I. Structure of a hard sphere ionâ€“dipole mixture near an uncharged hard wall. Journal of Chemical Physics, 1988, 89, 4994-5009.	1.2	32
162	Molecular theory of orientationally ordered liquids: Exact formal expressions and the application of integral-equation methods with results for ferrofluids. Physical Review A, 1988, 38, 4772-4788.	1.0	23

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163	On the molecular theory of aqueous electrolyte solutions. II. Structural and thermodynamic properties of different models at infinite dilution. Journal of Chemical Physics, 1988, 89, 5843-5851.	1.2	75
164	The solution of the hypernetted chain and Percusâ€“Yevick approximations for fluids of hard nonspherical particles. Results for hard ellipsoids of revolution. Journal of Chemical Physics, 1987, 87, 1295-1306.	1.2	106
165	The thermodynamic properties of electrolyte solutions: Some formal results. Journal of Chemical Physics, 1987, 86, 5110-5116.	1.2	118
166	The solution of the Percusâ€“Yevick approximation for fluids with angleâ€dependent pair interactions. A general method with results for dipolar hard spheres. Journal of Chemical Physics, 1986, 85, 7307-7311.	1.2	27
167	Computer simulation and theoretical results for a polar-polarizable fluid. Molecular Physics, 1985, 55, 65-76.	0.8	50
168	The solution of the reference hypernetted-chain approximation for Stockmayer fluids. Molecular Physics, 1985, 55, 751-762.	0.8	42
169	The relative motion of ions in solution. III. An NMR relaxation study of repulsive ions in water at low ionic strength. Journal of Chemical Physics, 1985, 83, 307-311.	1.2	11
170	The solution of the hypernettedâ€chain approximation for fluids of nonspherical particles. A general method with application to dipolar hard spheres. Journal of Chemical Physics, 1985, 82, 429-440.	1.2	334
171	Fluids of Lennard-Jones spheres with dipoles and tetrahedral quadrupoles. Molecular Physics, 1984, 51, 333-348.	0.8	38
172	NMR of deuterium in liquid crystal mixtures. Chemical Physics Letters, 1984, 107, 426-430.	1.2	62
173	The relative motion of ions in solution. I. Microdynamical models and intermolecular dipolar spin relaxation. Journal of Chemical Physics, 1984, 80, 6253-6266.	1.2	38
174	The relative motion of ions in solution. II. An NMR relaxation study of attractive ions in water at low ionic strength. Journal of Chemical Physics, 1984, 80, 6267-6273.	1.2	18
175	Molecular solutes in nematic liquid crystals: Orientational order and electric field gradients. Chemical Physics Letters, 1983, 99, 271-274.	1.2	83
176	Theoretical results for aqueous electrolytes. Ionâ€“ion potentials of mean force and the soluteâ€dependent dielectric constant. Journal of Chemical Physics, 1983, 78, 5183-5190.	1.2	95
177	Theoretical results for dielectric and structural properties of aqueous electrolytes. The influence of ion size and charge. Journal of Chemical Physics, 1983, 79, 4468-4474.	1.2	60
178	Solvation energy of ions in dipolar solvents. Journal of Chemical Physics, 1983, 79, 6294-6300.	1.2	70
179	Fluids of polarizable hard spheres with dipoles and tetrahedral quadrupoles Integral equation results with application to liquid water. Molecular Physics, 1982, 47, 1129-1151.	0.8	179
180	Electrical double layers. II. Monte Carlo and HNC studies of image effects. Journal of Chemical Physics, 1982, 76, 4615-4622.	1.2	167

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181	On the theory and computer simulation of dipolar fluids. Molecular Physics, 1982, 45, 733-746.	0.8	96
182	Static dielectric properties of polarizable Stockmayer fluids. Physica A: Statistical Mechanics and Its Applications, 1981, 108, 14-26.	1.2	57
183	Molecular dynamics simulation of the plastic phase of solid methane. Journal of Chemical Physics, 1980, 72, 5348-5356.	1.2	53
184	The interaction of two spherical colloidal particles in electrolyte solution. An application of the hypernettedâ€chain approximation. Journal of Chemical Physics, 1980, 72, 5763-5771.	1.2	155
185	Charged hard spheres in dipolar hard sphere solvents. A model for electrolyte solutions. Journal of Chemical Physics, 1980, 72, 1887-1899.	1.2	143
186	Integral equation approximations for fluids of hard spheres with dipoles and quadrupoles. Molecular Physics, 1979, 38, 1635-1654.	0.8	55
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188	Integral equation approximations for fluids of hard spheres with linear quadrupoles. Molecular Physics, 1978, 35, 1413-1428.	0.8	64
189	A Monte Carlo study of dipolar hard spheres The pair distribution function and the dielectric constant. Molecular Physics, 1977, 34, 1077-1091.	0.8	117
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191	An integral equation theory for the dense dipolar hard-sphere fluid. Molecular Physics, 1977, 34, 427-440.	0.8	147
192	The free energy of spheres with dipoles: Monte Carlo with multistage sampling. Chemical Physics Letters, 1973, 21, 297-300.	1.2	127