Gren N Patey

List of Publications by Year in Descending Order

191 papers	8,626 citations	54 h-index	81 g-index
194 ext. papers	8,980 ext. citations	3.6 avg, IF	6.2 L-index

#	Paper	IF	Citations
191	How Microscopic Features of Mineral Surfaces Critically Influence Heterogeneous Ice Nucleation. *Journal of Physical Chemistry C*, **2021**, 125, 10723-10737	3.8	2
190	Analysis of the relative stability of lithium halide crystal structures: Density functional theory and classical models. *Journal of Chemical Physics*, **2021**, 154, 184507	3.9	1
189	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	3.2	3
188	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	3.4	11
187	Unified Description of Diffusion Coefficients from Small to Large Molecules in Organic-Water Mixtures. *Journal of Physical Chemistry A*, **2020**, 124, 2301-2308	2.8	4
186	Simulations of water structure and the possibility of ice nucleation on selected crystal planes of K-feldspar. *Journal of Chemical Physics*, **2019**, 150, 214501	3.9	10
185	Structural behavior of aqueous t-butanol solutions from large-scale molecular dynamics simulations. *Journal of Chemical Physics*, **2019**, 150, 184504	3.9	12
184	Why □Alumina Is an Effective Ice Nucleus. *Journal of Physical Chemistry C*, **2019**, 123, 26424-26431	3.8	3
183	The influence of ion hydration on nucleation and growth of LiF crystals in aqueous solution. *Journal of Chemical Physics*, **2018**, 148, 024507	3.9	3
182	Mechanism of Urea Crystal Dissolution in Water from Molecular Dynamics Simulation. *Journal of Physical Chemistry B*, **2018**, 122, 1213-1222	3.4	10
181	A molecular dynamics investigation of the influence of water structure on ion conduction through a carbon nanotube. *Journal of Chemical Physics*, **2017**, 146, 074502	3.9	22
180	Crystal structures of model lithium halides in bulk phase and in clusters. *Journal of Chemical Physics*, **2017**, 146, 154501	3.9	5
179	Comparison of simulation and experimental results for a model aqueous tert-butanol solution. *Journal of Chemical Physics*, **2017**, 147, 024503	3.9	11
178	Simulations of Ice Nucleation by Model AgI Disks and Plates. *Journal of Physical Chemistry B*, **2016**, 120, 2291-9	3.4	28
177	Simulations of Ice Nucleation by Kaolinite (001) with Rigid and Flexible Surfaces. *Journal of Physical Chemistry B*, **2016**, 120, 1726-34	3.4	54
176	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	3.9	36
175	Birth of NaCl Crystals: Insights from Molecular Simulations. *Journal of Physical Chemistry B*, **2016**, 120, 9076-87	3.4	27

174	Molecular dynamics simulation of NaCl dissolution. *Journal of Physical Chemistry B*, **2015**, 119, 4275-83	3.4	36
173	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	3.9	17
172	Fluctuations and local ice structure in model supercooled water. *Journal of Chemical Physics*, **2015**, 143, 094504	3.9	31
171	A Molecular Mechanism of Ice Nucleation on Model AgI Surfaces. *Journal of Physical Chemistry B*, **2015**, 119, 9049-55	3.4	77
170	Simulations of water transport through carbon nanotubes: how different water models influence the conduction rate. *Journal of Chemical Physics*, **2014**, 141, 18C518	3.9	39
169	Structure and aggregation in model tetramethylurea solutions. *Journal of Chemical Physics*, **2014**, 141, 064502	3.9	13
168	Understanding electrofreezing in water simulations. *Journal of Chemical Physics*, **2014**, 141, 074501	3.9	24
167	How distributed charge reduces the melting points of model ionic salts. *Journal of Chemical Physics*, **2014**, 140, 104504	3.9	7
166	Evidence that crystal nucleation in aqueous NaCl solution Occurs by the two-step mechanism. *Chemical Physics Letters*, **2013**, 587, 25-29	2.5	43
165	An analysis of fluctuations in supercooled TIP4P/2005 water. *Journal of Chemical Physics*, **2013**, 138, 184502	3.9	48
164	The composition of ternary N2/CH4/C2H6 cloud droplets under Titan conditions: Monte Carlo simulations and experiment. *Molecular Physics*, **2013**, 111, 2233-2242	1.7	1
163	How Crystals Nucleate and Grow in Aqueous NaCl Solution. *Journal of Physical Chemistry Letters*, **2013**, 4, 573-8	6.4	63
162	Ice nucleation by electric surface fields of varying range and geometry. *Journal of Chemical Physics*, **2013**, 139, 144501	3.9	28
161	Molecular dynamics simulations of ice nucleation by electric fields. *Journal of Physical Chemistry A*, **2012**, 116, 7057-64	2.8	54
160	Influence of urea on tert-butyl alcohol aggregation in aqueous solutions. *Journal of Physical Chemistry B*, **2012**, 116, 4991-5001	3.4	5
159	Understanding the structure factor and isothermal compressibility of ambient water in terms of local structural environments. *Journal of Physical Chemistry B*, **2012**, 116, 12014-20	3.4	48
158	Aggregation in dilute aqueous tert-butyl alcohol solutions: insights from large-scale simulations. *Journal of Chemical Physics*, **2012**, 137, 034509	3.9	58
157	The composition of liquid methane–nitrogen aerosols in Titan's lower atmosphere from Monte Carlo simulations. *Icarus*, **2011**, 212, 779-789	3.8	12

156	Heterogeneous Ice Nucleation Induced by Electric Fields. *Journal of Physical Chemistry Letters*, **2011**, 2, 2555-2559	6.4	69
155	Association and microheterogeneity in aqueous 2-butoxyethanol solutions. *Journal of Physical Chemistry B*, **2011**, 115, 15323-31	3.4	29
154	Charge ordering induces a smectic phase in oblate ionic liquid crystals. *Physical Review Letters*, **2010**, 105, 137801	7.4	19
153	Structural and dynamical properties of ionic liquids: Competing influences of molecular properties. *Journal of Chemical Physics*, **2010**, 132, 154504	3.9	39
152	Structure and adsorption of water in nonuniform cylindrical nanopores. *Journal of Chemical Physics*, **2010**, 133, 224703	3.9	4
151	Ion solvation in a water-urea mixture. *Journal of Physical Chemistry B*, **2010**, 114, 613-9	3.4	26
150	Water adsorption on kaolinite surfaces containing trenches. *Journal of Physical Chemistry A*, **2010**, 114, 2171-8	2.8	28
149	Observations of high-density ferroelectric ordered water in kaolinite trenches using Monte Carlo simulations. *Journal of Physical Chemistry A*, **2010**, 114, 8396-405	2.8	33
148	The influence of water on the structural and transport properties of model ionic liquids. *Journal of Chemical Physics*, **2010**, 132, 234510	3.9	48
147	Wall-colloid interaction in nematic solvents: external field effects. *Journal of Physics Condensed Matter*, **2009**, 21, 245105	1.8	1
146	Structural and dynamical properties of ionic liquids: The influence of charge location. *Journal of Chemical Physics*, **2009**, 130, 104506	3.9	42
145	Simulation of water adsorption on kaolinite under atmospheric conditions. *Journal of Physical Chemistry A*, **2009**, 113, 7826-33	2.8	61
144	An accurate equation of state for fluids and solids. *Journal of Physical Chemistry B*, **2009**, 113, 11977-87	3.4	35
143	Vapour–liquid phase transition of dipolar particles. *Molecular Physics*, **2009**, 107, 403-413	1.7	45
142	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, 10708-12	2.8	64
141	Hydrophobic interactions in urea-trimethylamine-N-oxide solutions. *Journal of Physical Chemistry B*, **2008**, 112, 11106-11	3.4	42
140	Structural and dynamical properties of ionic liquids: the influence of ion size disparity. *Journal of Chemical Physics*, **2008**, 129, 064517	3.9	59
139	Bridging the gap between phenomenology and microscopic theory: asymptotes in nematic colloids. *Physical Review E*, **2008**, 77, 041701	2.4	5

138	Structure and interaction in aqueous urea-trimethylamine-N-oxide solutions. *Journal of the American Chemical Society*, **2007**, 129, 4476-82	16.4	129
137	The influence of urea and trimethylamine-N-oxide on hydrophobic interactions. *Journal of Physical Chemistry B*, **2007**, 111, 7932-3	3.4	57
136	Dielectric Constants of Fluid Models: Statistical Mechanical Theory and its Quantitative Implementation. *Advances in Chemical Physics*, **2007**, 183-328		238
135	Water adsorption in ion-bearing nanopores. *Journal of Chemical Physics*, **2007**, 126, 024703	3.9	17
134	The interaction of patterned solutes in binary solvent mixtures. *Journal of Chemical Physics*, **2006**, 124, 94901	3.9	3
133	Structures and rearrangements of LiCl clusters. *Journal of Chemical Physics*, **2006**, 124, 244506	3.9	14
132	Nematic-fluid structure in wall-field geometry. II. The direct correlation function. *Journal of Chemical Physics*, **2006**, 125, 34903	3.9	2
131	Monte Carlo simulations of the adsorption of CO2 on the MgO(100) surface. *Journal of Chemical Physics*, **2006**, 124, 114706	3.9	45
130	Colloidal interactions in nematic fluids. *Physical Review E*, **2006**, 73, 020701	2.4	5
129	Why tert-butyl alcohol associates in aqueous solution but trimethylamine-N-oxide does not. *Journal of Physical Chemistry B*, **2006**, 110, 10514-8	3.4	66
128	Tracer diffusion in hard sphere fluids from molecular to hydrodynamic regimes. *Journal of Chemical Physics*, **2006**, 125, 204502	3.9	38
127	Nanoscopic liquid bridges between chemically patterned atomistic walls. *Journal of Physical Chemistry B*, **2006**, 110, 3764-72	3.4	8
126	Solvent phase behavior and the interaction of uniform and patterned solutes. *Journal of Chemical Physics*, **2005**, 123, 194505	3.9	3
125	Liquid-Vapor Criticality in Coulombic and Related Fluids. *NATO Science Series Series II, Mathematics, Physics and Chemistry*, **2005**, 181-197		
124	First passage times of driven DNA hairpin unzipping. *Physical Biology*, **2005**, 2, 166-74	3	14
123	Nematic fluid structure in wall-field geometry. *Journal of Chemical Physics*, **2005**, 122, 34703	3.9	6
122	Colloid-induced structure in liquid crystal media. *Journal of Chemical Physics*, **2005**, 122, 124907	3.9	4
121	Surface-induced ordering of nematics in an external field: the strong influence of tilted walls. *Physical Review Letters*, **2004**, 92, 185508	7.4	7

120	Shearing of nanoscopic bridges in two-component thin liquid layers between chemically patterned walls. *Journal of Chemical Physics*, **2004**, 121, 6508-17	3.9	6
119	Constant-volume heat capacity in a near-critical fluid from Monte Carlo simulations. *Journal of Chemical Physics*, **2004**, 121, 8956-9	3.9	4
118	Surfactant-stabilized structures in confined liquids. *Journal of Chemical Physics*, **2003**, 119, 8676-8685	3.9	7
117	Liquid–vapor criticality in a fluid of charged hard dumbbells. *Journal of Chemical Physics*, **2003**, 119, 7952-7956	3.9	17
116	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	3.9	6
115	Dielectric relaxation of chained ferrofluids. *Journal of Chemical Physics*, **2002**, 116, 6731-6737	3.9	17
114	Orientational ordering and disordering of a simple dipolar fluid under shear flow. *Journal of Chemical Physics*, **2002**, 117, 9016-9027	3.9	6
113	Molecular dynamics simulations of a ferroelectric nematic liquid under shear flow. *Journal of Chemical Physics*, **2002**, 117, 8551-8564	3.9	6
112	Forces between chemically patterned plates immersed in binary liquid mixtures. *Journal of Chemical Physics*, **2002**, 117, 3391-3397	3.9	11
111	Nonequilibrium molecular dynamics simulations of a simple dipolar fluid under shear flow. *Journal of Chemical Physics*, **2002**, 117, 2747-2761	3.9	20
110	Demixing and the force between parallel plates immersed in binary liquid mixtures. *Journal of Chemical Physics*, **2001**, 114, 7182-7188	3.9	22
109	Ferroelectric order in positionally frozen dipolar systems. *Journal of Chemical Physics*, **2001**, 115, 4718-4731	3.9	20
108	Coexistence and criticality of fluids with long-range potentials. *Journal of Chemical Physics*, **2001**, 114, 399	3.9	45
107	Crystallization of dipolar spheres: A discussion of second-order density functional theory. *Journal of Chemical Physics*, **2000**, 112, 10949-10956	3.9	14
106	Forces between like-charged walls in an electrolyte solution: A comparison of McMillan–Mayer results for several models. *Journal of Chemical Physics*, **2000**, 113, 2851-2855	3.9	9
105	Isotropic fluid phases of dipolar hard spheres. *Physical Review Letters*, **2000**, 84, 115-8	7.4	140
104	Structure and scattering in colloidal ferrofluids. *Physical Review E*, **2000**, 62, 5403-8	2.4	116
103	Forces between like-charged walls in electrolyte solution: Molecular solvent effects at the McMillan–Mayer level. *Journal of Chemical Physics*, **2000**, 112, 8939-8949	3.9	18

102	Integral equation theory for dipolar hard sphere fluids with fluctuating orientational order. *Journal of Chemical Physics*, **2000**, 112, 3832-3844	3.9	30
101	Structure formation in dipolar fluids driven by rotating fields. *Journal of Chemical Physics*, **2000**, 112, 9828-9833	3.9	20
100	Liquid-vapor coexistence in fluids of dipolar hard dumbbells and spherocylinders. *Physical Review E*, **1999**, 59, 3065-3070	2.4	44
99	Ion association in model ionic fluids. *Physical Review E*, **1999**, 60, 1063-6	2.4	26
98	Orientational order in model dipolar fluids. *Physical Review E*, **1999**, 60, 4280-4	2.4	12
97	Ion association and condensation in primitive models of electrolyte solutions. *Journal of Chemical Physics*, **1999**, 111, 9000-9008	3.9	51
96	Phase behavior of ionic solutions: Comparison of the primitive and explicit solvent models. *Journal of Chemical Physics*, **1999**, 110, 1633-1637	3.9	25
95	Ion solvation dynamics in water□ethanol and water□dimethylsulfoxide mixtures. *Journal of Chemical Physics*, **1999**, 110, 10937-10944	3.9	75
94	A Monte Carlo study of model electrorheological fluids. *Journal of Chemical Physics*, **1999**, 111, 3278-3287	3.9	10
93	A simple model of spin transitions in polymeric materials. *Journal of Physics Condensed Matter*, **1998**, 10, 10909-10917	1.8	1
92	An investigation of dynamical density functional theory for solvation in simple mixtures. *Journal of Chemical Physics*, **1998**, 108, 6378-6386	3.9	38
91	Theory of ion solvation dynamics in mixed dipolar solvents. *Journal of Chemical Physics*, **1998**, 109, 3222-3231	3.9	47
90	Gas-liquid coexistence and demixing in systems with highly directional pair potentials. *Physical Review E*, **1998**, 57, 5682-5686	2.4	26
89	Modeling and structure of mercury-water interfaces. *Journal of Chemical Physics*, **1997**, 107, 2122-2141	3.9	49
88	Liquid crystal phases of dipolar discotic particles. *Physical Review E*, **1997**, 55, 447-454	2.4	26
87	An investigation of the influence of solute size and insertion conditions on solvation thermodynamics. *Journal of Chemical Physics*, **1997**, 106, 8165-8195	3.9	76
86	Ion solvation dynamics in binary mixtures. *Journal of Chemical Physics*, **1997**, 106, 2782-2791	3.9	44
85	Structure of the metal-aqueous electrolyte solution interface. *Journal of Chemical Physics*, **1997**, 107, 4719-4728	3.9	39

84	Ferroelectric and dipolar glass phases of noncrystalline systems. *Physical Review E*, **1997**, 56, 562-570	2.4	33
83	Remarks on the forces between macroscopic particles in solution. *Zeitschrift Fur Elektrotechnik Und Elektrochemie*, **1996**, 100, 885-888		18
82	Ferroelectric order in model discotic nematic liquid crystals. *Physical Review Letters*, **1996**, 76, 239-242	7.4	36
81	A comparison of liquid–vapor coexistence in charged hard sphere and charged hard dumbbell fluids. *Journal of Chemical Physics*, **1995**, 103, 8299-8301	3.9	49
80	Structure of the metal-electrolyte solution interface: Theoretical results for simple models. *Journal of Chemical Physics*, **1995**, 102, 1024-1033	3.9	23
79	A generalized Gaussian overlap model for fluids of anisotropic particles. *Journal of Chemical Physics* , **1995**, 102, 9040-9047	3.9	24
78	A configuration bias Monte Carlo method for water. *Journal of Chemical Physics*, **1995**, 102, 7656-7663	3.9	49
77	Orientational ordering in spatially disordered dipolar systems. *Physical Review Letters*, **1995**, 75, 2360-2363	7.4	44
76	A configuration bias Monte Carlo method for ionic solutions. *Journal of Chemical Physics*, **1994**, 100, 8265-8270	3.9	13
75	Stability of binary mixtures: Supersaturation limits of aqueous alkali halide solutions. *Journal of Chemical Physics*, **1994**, 100, 3827-3842	3.9	22
74	Structure and properties of the metal–liquid interface. *Journal of Chemical Physics*, **1994**, 101, 6271-6280	3.9	40
73	Ground state configurations of model molecular clusters. *Journal of Chemical Physics*, **1994**, 100, 2213-2219	3.9	34
72	Dielectric relaxation of electrolyte solutions: Molecular dynamics and theoretical results for ions in simple dipolar solvents. *Journal of Chemical Physics*, **1994**, 100, 8385-8391	3.9	26
71	Solvation dynamics in electrolyte solutions. *Journal of Chemical Physics*, **1994**, 100, 1552-1558	3.9	31
70	Structure of two-component clusters. *Journal of Chemical Physics*, **1994**, 101, 2432-2445	3.9	62
69	Dielectric relaxation of electrolyte solutions: Is there really a kinetic dielectric decrement?. *Journal of Chemical Physics*, **1993**, 98, 4959-4966	3.9	47
68	Molecular solvent model for an electrical double layer: Effects of ionic polarizability. *Journal of Chemical Physics*, **1993**, 99, 3990-3997	3.9	22
67	The frequency dependent conductivity of electrolyte solutions. *Journal of Chemical Physics*, **1993**, 99, 2083-2094	3.9	47

66	Dielectric relaxation of dipolar liquids. *Journal of Chemical Physics*, **1993**, 99, 2068-2073	3.9	20
65	Cavitation of a Lennard-Jones fluid between hard walls, and the possible relevance to the attraction measured between hydrophobic surfaces. *Journal of Chemical Physics*, **1993**, 98, 7236-7244	3.9	136
64	Orientational order in simple dipolar fluids: Density-functional theory and absolute-stability conditions. *Physical Review E*, **1993**, 47, 506-512	2.4	71
63	Dynamical properties of a ferroelectric nematic liquid crystal. *Physical Review E*, **1993**, 47, 2954-2957	2.4	15
62	Microscopic theory of solvation dynamics in dipolar liquids. *Journal of Chemical Physics*, **1993**, 99, 4926-4931	3.9	36
61	Long-range attractions between solutes in near-critical fluids. *Physical Review A*, **1992**, 45, 7621-7623	2.6	35
60	Orientational order in simple dipolar liquids: Computer simulation of a ferroelectric nematic phase. *Physical Review Letters*, **1992**, 68, 2043-2045	7.4	249
59	On the existence of exact conditions in the theory of electrical double layers. *Journal of Chemical Physics*, **1992**, 96, 3767-3771	3.9	23
58	A mean field theory for fluids of multipolar particles in contact with a polarizable wall. *Journal of Chemical Physics*, **1992**, 97, 4372-4379	3.9	19
57	Ferroelectric liquid-crystal and solid phases formed by strongly interacting dipolar soft spheres. *Physical Review A*, **1992**, 46, 7783-7792	2.6	153
56	Molecular solvent models of electrical double layers. *Electrochimica Acta*, **1991**, 36, 1677-1684	6.7	37
55	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	2.6	68
54	The crystallization of alkali halides from aqueous solution: An application of density-functional theory. *Journal of Chemical Physics*, **1991**, 95, 485-493	3.9	4
53	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	3.9	8
52	The application of integral equation theories to fluids of nonspherical particles near a uniform planar wall. *Journal of Chemical Physics*, **1991**, 95, 5281-5288	3.9	36
51	Dielectric relaxation of electrolyte solutions. *Journal of Chemical Physics*, **1991**, 94, 6795-6806	3.9	24
50	Continuum electrostatic interactions between planar lattices of dipoles and the possible relevance to the hydration force. *Physical Review A*, **1991**, 43, 2953-2962	2.6	14
49	Dielectric relaxation of liquid mixtures. *Journal of Chemical Physics*, **1991**, 94, 6785-6794	3.9	16

48	Critical comments on the nonlocal dielectric function employed in recent theories of the hydration force. *Chemical Physics Letters*, **1990**, 172, 69-72	2.5	42
47	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	3.9	69
46	The interaction between macroparticles in molecular fluids. *Journal of Chemical Physics*, **1990**, 93, 7360-7368	3.9	23
45	On the molecular theory of aqueous electrolyte solutions. IV. Effects of solvent polarizability. *Journal of Chemical Physics*, **1990**, 92, 1345-1358	3.9	21
44	Hypernetted-chain closure with bridge diagrams. Asymmetric hard sphere mixtures. *Journal of Chemical Physics*, **1990**, 92, 4970-4982	3.9	122
43	Theory of the electrical double layer: Ion size effects in a molecular solvent. *Journal of Chemical Physics*, **1989**, 91, 6367-6375	3.9	59
42	Fluids of dipolar hard ellipsoids: Structural properties and isotropic–nematic phase transitions. *Journal of Chemical Physics*, **1989**, 91, 3045-3055	3.9	65
41	Molecular solvent model for an electrical double layer: Reference hypernetted chain results for potassium chloride solutions. *Journal of Chemical Physics*, **1989**, 90, 4513-4527	3.9	42
40	Rotational motion in molecular liquids. *Journal of Chemical Physics*, **1989**, 91, 7113-7129	3.9	55
39	The solution of the reference hypernetted-chain approximation for water-like models. *Molecular Physics*, **1988**, 65, 1105-1119	1.7	118
38	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	3.9	213
37	The solution of the hypernetted-chain and Percus–Yevick approximations for fluids of hard spherocylinders. *Journal of Chemical Physics*, **1988**, 89, 5861-5868	3.9	67
36	Molecular solvent model for an electrical double layer: Reference hypernetted-chain results for ion behavior at infinite dilution. *Journal of Chemical Physics*, **1988**, 89, 3285-3294	3.9	29
35	Molecular solvent model for an electrical double layer: Reference hypernetted-chain (RHNC) results for solvent structure at a charged surface. *Journal of Chemical Physics*, **1988**, 88, 7826-7840	3.9	91
34	Density functional theory applied to the isotropic–nematic transition in model liquid crystals. *Journal of Chemical Physics*, **1988**, 89, 6941-6946	3.9	75
33	On the molecular theory of aqueous electrolyte solutions. III. A comparison between Born–Oppenheimer and McMillan–Mayer levels of description. *Journal of Chemical Physics*, **1988**, 89, 7478-7484	3.9	30
32	A theoretical study of the solid–electrolyte solution interface. I. Structure of a hard sphere ion–dipole mixture near an uncharged hard wall. *Journal of Chemical Physics*, **1988**, 89, 4994-5009	3.9	32
31	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	2.6	23

30	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	3.9	71
29	The solution of the hypernetted chain and Percus‐Yevick approximations for fluids of hard nonspherical particles. Results for hard ellipsoids of revolution. *Journal of Chemical Physics*, **1987**, 87, 1295-1306	3.9	99
28	The thermodynamic properties of electrolyte solutions: Some formal results. *Journal of Chemical Physics*, **1987**, 86, 5110-5116	3.9	105
27	The solution of the Percus‐Yevick approximation for fluids with angle-dependent pair interactions. A general method with results for dipolar hard spheres. *Journal of Chemical Physics*, **1986**, 85, 7307-7311	3.9	25
26	Computer simulation and theoretical results for a polar-polarizable fluid. *Molecular Physics*, **1985**, 55, 65-76	1.7	47
25	The solution of the reference hypernetted-chain approximation for Stockmayer fluids. *Molecular Physics*, **1985**, 55, 751-762	1.7	37
24	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	3.9	11
23	The solution of the hypernetted-chain approximation for fluids of nonspherical particles. A general method with application to dipolar hard spheres. *Journal of Chemical Physics*, **1985**, 82, 429-440	3.9	315
22	Fluids of Lennard-Jones spheres with dipoles and tetrahedral quadrupoles. *Molecular Physics*, **1984**, 51, 333-348	1.7	37
21	NMR of deuterium in liquid crystal mixtures. *Chemical Physics Letters*, **1984**, 107, 426-430	2.5	60
20	The relative motion of ions in solution. I. Microdynamical models and intermolecular dipolar spin relaxation. *Journal of Chemical Physics*, **1984**, 80, 6253-6266	3.9	35
19	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	3.9	17
18	Molecular solutes in nematic liquid crystals: Orientational order and electric field gradients. *Chemical Physics Letters*, **1983**, 99, 271-274	2.5	80
17	Theoretical results for aqueous electrolytes. Ion‐ion potentials of mean force and the solute-dependent dielectric constant. *Journal of Chemical Physics*, **1983**, 78, 5183-5190	3.9	88
16	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	3.9	58
15	Solvation energy of ions in dipolar solvents. *Journal of Chemical Physics*, **1983**, 79, 6294-6300	3.9	63
14	Fluids of polarizable hard spheres with dipoles and tetrahedral quadrupoles Integral equation results with application to liquid water. *Molecular Physics*, **1982**, 47, 1129-1151	1.7	173
13	Electrical double layers. II. Monte Carlo and HNC studies of image effects. *Journal of Chemical Physics*, **1982**, 76, 4615-4622	3.9	158

12	On the theory and computer simulation of dipolar fluids. *Molecular Physics*, **1982**, 45, 733-746	1.7	92
11	Static dielectric properties of polarizable Stockmayer fluids. *Physica A: Statistical Mechanics and Its Applications*, **1981**, 108, 14-26	3.3	55
10	Molecular dynamics simulation of the plastic phase of solid methane. *Journal of Chemical Physics*, **1980**, 72, 5348-5356	3.9	45
9	The interaction of two spherical colloidal particles in electrolyte solution. An application of the hypernetted-chain approximation. *Journal of Chemical Physics*, **1980**, 72, 5763-5771	3.9	148
8	Charged hard spheres in dipolar hard sphere solvents. A model for electrolyte solutions. *Journal of Chemical Physics*, **1980**, 72, 1887-1899	3.9	138
7	Integral equation approximations for dipolar fluids. *Molecular Physics*, **1979**, 38, 219-239	1.7	88
6	Integral equation approximations for fluids of hard spheres with dipoles and quadrupoles. *Molecular Physics*, **1979**, 38, 1635-1654	1.7	49
5	Integral equation approximations for fluids of hard spheres with linear quadrupoles. *Molecular Physics*, **1978**, 35, 1413-1428	1.7	61
4	A Monte Carlo study of dipolar hard spheres The pair distribution function and the dielectric constant. *Molecular Physics*, **1977**, 34, 1077-1091	1.7	114
3	Monte Carlo calculation of y(r) for the hard-sphere fluid. *Molecular Physics*, **1977**, 34, 1623-1628	1.7	56
2	An integral equation theory for the dense dipolar hard-sphere fluid. *Molecular Physics*, **1977**, 34, 427-440	1.7	137
1	The free energy of spheres with dipoles: Monte Carlo with multistage sampling. *Chemical Physics Letters*, **1973**, 21, 297-300	2.5	107