Barry Ninham

List of Publications by Year
in descending order

406 papers	32,129 citations	4960 84 h-index	5255 165 g-index
421 all docs	421 docs citations	421 times ranked	16551 citing authors

#	Article	IF	Citations
1	Theory of self-assembly of hydrocarbon amphiphiles into micelles and bilayers. Journal of the Chemical Society, Faraday Transactions 2, 1976, 72, 1525.	1.1	4,488
2	â€˜Zur Lehre von der Wirkung der Salzeâ€™ (about the science of the effect of salts): Franz Hofmeister's historical papers. Current Opinion in Colloid and Interface Science, 2004, 9, 19-37.	7.4	909
3	Theory of self-assembly of lipid bilayers and vesicles. Biochimica Et Biophysica Acta - Biomembranes, 1977, 470, 185-201.	2.6	830
4	Hofmeister Phenomena: An Update on Ion Specificity in Biology. Chemical Reviews, 2012, 112, 2286-2322.	47.7	812
5	Micelles, vesicles and microemulsions. Journal of the Chemical Society, Faraday Transactions 2, 1981, 77, 601.	1.1	775
6	The present state of affairs with Hofmeister effects. Current Opinion in Colloid and Interface Science, 2004, 9, 1-18.	7.4	759
7	Electrostatic potential between surfaces bearing ionizable groups in ionic equilibrium with physiologic saline solution. Journal of Theoretical Biology, 1971, 31, 405-428.	1.7	656
8	Ion Binding and Ion Specificity:Â The Hofmeister Effect and Onsager and Lifshitz Theories. Langmuir, 1997, 13, 2097-2108.	3.5	569
9	Specific Ion Effects: Why DLVO Theory Fails for Biology and Colloid Systems. Physical Review Letters, 2001, 87, 168103.	7.8	514
10	Attractive forces between uncharged hydrophobic surfaces: direct measurements in aqueous solution. Science, 1985, 229, 1088-1089.	12.6	475
11	The effect of electrolytes on bubble coalescence in water. The Journal of Physical Chemistry, 1993, 97, 10192-10197.	2.9	465
12	Models and mechanisms of Hofmeister effects in electrolyte solutions, and colloid and protein systems revisited. Chemical Society Reviews, 2014, 43, 7358-7377.	38.1	455
13	Hofmeister effects: interplay of hydration, nonelectrostatic potentials, and ion size. Physical Chemistry Chemical Physics, 2011, 13, 12352.	2.8	388
14	On progress in forces since the DLVO theory. Advances in Colloid and Interface Science, 1999, 83, 1-17.	14.7	335
15	Effect of electrolytes on bubble coalescence. Nature, 1993, 364, 317-319.	27.8	307
16	van der Waals Forces. Biophysical Journal, 1970, 10, 646-663.	0.5	291
17	Surface Tension of Electrolytes:â€‰ Specific Ion Effects Explained by Dispersion Forces. Langmuir, 2001, 17, 4475-4478.	3.5	272
18	Interactions between waterâ€"stable hydrophobic Langmuirâ€"Blodgett monolayers on mica. Journal of Colloid and Interface Science, 1986, 114, 234-242.	9.4	266

#	Article	IF	Citations
19	pH-dependent interactions between adsorbed chitosan layers. Langmuir, 1992, 8, 1406-1412.	3.5	254
20	Specific ion effects on the growth rates ofStaphylococcus aureusandPseudomonas aeruginosa. Physical Biology, 2005, 2, 1-7.	1.8	254
21	Double-layer and solvation forces measured in a molten salt and its mixtures with water. The Journal of Physical Chemistry, 1988, 92, 3531-3537.	2.9	222
22	Molecular forces in the self-organization of amphiphiles. The Journal of Physical Chemistry, 1986, 90, 226-234.	2.9	220
23	Oil, water, and surfactant: properties and conjectured structure of simple microemulsions. The Journal of Physical Chemistry, 1986, 90, 2817-2825.	2.9	216
24	van der Waals Forces across Tripleâ€Layer Films. Journal of Chemical Physics, 1970, 52, 4578-4587.	3.0	210
25	Measurements and Theoretical Interpretation of Points of Zero Charge/Potential of BSA Protein. Langmuir, 2011, 27, 11597-11604.	3.5	206
26	Device for measuring the force and separation between two surfaces down to molecular separations. Review of Scientific Instruments, 1989, 60, 3135-3138.	1.3	202
27	Ion binding and dressed micelles. The Journal of Physical Chemistry, 1984, 88, 6344-6348.	2.9	195
28	Why forces between proteins follow different Hofmeister series for pH above and below pI. Biophysical Chemistry, 2005, 117, 217-224.	2.8	194
29	Ion binding and the hydrophobic effect. The Journal of Physical Chemistry, 1983, 87, 5025-5032.	2.9	193
30	Specific Ion Effects: Why the Properties of Lysozyme in Salt Solutions Follow a Hofmeister Series. Biophysical Journal, 2003, 85, 686-694.	0.5	189
31	A model of solvent structure around ions. Journal of Chemical Physics, 1979, 70, 2946-2957.	3.0	178
32	Temperature-Dependent van der Waals Forces. Biophysical Journal, 1970, 10, 664-674.	0.5	175
33	Direct measurements of surface forces between bilayers of double-chained quaternary ammonium acetate and bromide surfactants. The Journal of Physical Chemistry, 1986, 90, 1637-1642.	2.9	172
34	Nanoparticles of Mg(OH)2:Â Synthesis and Application to Paper Conservation. Langmuir, 2005, 21, 8495-8501.	3.5	170
35	Beyond Poissonâ€"Boltzmann: Images and correlations in the electric double layer. I. Counterions only. Journal of Chemical Physics, 1988, 88, 4987-4996.	3.0	164
36	Application of the Lifshitz Theory to the Calculation of Van der Waals Forces across Thin Lipid Films. Nature, 1969, 224, 1197-1198.	27.8	162

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37	Curvature elasticity of charged membranes. Langmuir, 1989, 5, 1121-1123.	3.5	157
38	Hofmeister Effects in Surface Tension of Aqueous Electrolyte Solution. Langmuir, 2005, 21, 2619-2623.	3.5	156
39	Curvature as a determinant of microstructure and microemulsions. The Journal of Physical Chemistry, 1986, 90, 842-847.	2.9	152
40	Osmotic Coefficients and Surface Tensions of Aqueous Electrolyte Solutions:â€‰ Role of Dispersion Forces. Journal of Physical Chemistry B, 2004, 108, 2398-2404.	2.6	149
41	The structure of electrolytes at charged surfaces: The primitive model. Journal of Chemical Physics, 1981, 74, 1472-1478.	3.0	147
42	Critical micelle concentrations for alkyltrimethylammonium bromides in water from 25 to 160ï¿½C. Journal of Solution Chemistry, 1984, 13, 87-101.	1.2	144
43	On the macroscopic theory of temperature-dependent van der Waals forces. Journal of Statistical Physics, 1970, 2, 323-328.	1.2	139
44	Direct Relationship Between Shape and Size of Template and Synthesis of Copper Metal Particles. Advanced Materials, 1999, 11, 1358-1362.	21.0	139
45	Counterion specificity as the determinant of surfactant aggregation. The Journal of Physical Chemistry, 1986, 90, 1853-1859.	2.9	137
46	Beyond Poissonâ€“Boltzmann: Images and correlations in the electric double layer. II. Symmetric electrolyte. Journal of Chemical Physics, 1988, 89, 4358-4367.	3.0	131
47	van der Waals Interactions in Multilayer Systems. Journal of Chemical Physics, 1970, 53, 3398-3402.	3.0	130
48	Adsorption of cetyltrimethylammonium bromide to mica surfaces below the critical micellar concentration. Colloids and Surfaces, 1989, 40, 31-41.	0.9	129
49	Spontaneous Vesicles Formed from Hydroxide Surfactants: Evidence from Electron Microscopy. Science, 1983, 221, 1047-1048.	12.6	128
50	Inadequacy of Lifshitz theory for thin liquid films. Physical Review Letters, 1991, 66, 2084-2087.	7.8	127
51	Submicrocavity Structure of Water between Hydrophobic and Hydrophilic Walls as Revealed by Optical Cavitation. Journal of Colloid and Interface Science, 1995, 173, 443-447.	9.4	127
52	Some Observations on Phase Diagrams and Structure in Binary and Ternary Systems of Didodecyldimethylammonium Bromide.. Acta Chemica Scandinavica, 1986, 40a, 247-256.	0.7	127
53	Properties and structure of three-component ionic microemulsions. The Journal of Physical Chemistry, 1984, 88, 1631-1634.	2.9	125
54	Effect of divalent electrolyte on the hydrophobic attraction. The Journal of Physical Chemistry, 1990, 94, 8004-8006.	2.9	123

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55	Extended DLVO theory: Electrostatic and non-electrostatic forces in oxide suspensions. Advances in Colloid and Interface Science, 2006, 123-126, 5-15.	14.7	123
56	Direct Measurement of Hydrophobic Forces:Â A Study of Dissolved Gas, Approach Rate, and Neutron Irradiation. Langmuir, 1999, 15, 1562-1569.	3.5	120
57	Possible Origin of the Inverse and Direct Hofmeister Series for Lysozyme at Low and High Salt Concentrations. Langmuir, 2011, 27, 9504-9511.	3.5	119
58	Hofmeister Effects in Enzymatic Activity:Â Weak and Strong Electrolyte Influences on the Activity ofCandida rugosaLipase. Journal of Physical Chemistry B, 2007, 111, 1149-1156.	2.6	117
59	Numerical quadrature and asymptotic expansions. Mathematics of Computation, 1967, 21, 162-178.	2.1	113
60	Spontaneous vesicles. Journal of the American Chemical Society, 1984, 106, 4279-4280.	13.7	113
61	Double-layer forces in ionic micellar solutions. The Journal of Physical Chemistry, 1987, 91, 2902-2904.	2.9	113
62	Specific Anion Effects on Glass Electrode pH Measurements of Buffer Solutions:Â Bulk and Surface Phenomena. Journal of Physical Chemistry B, 2006, 110, 2949-2956.	2.6	113
63	Specific Alkali Cation Effects in the Transition from Micelles to Vesicles through Salt Addition. Langmuir, 2007, 23, 2376-2381.	3.5	113
64	Ab Initio Molar Volumes and Gaussian Radii. Journal of Physical Chemistry A, 2009, 113, 1141-1150.	2.5	113
65	Hydrophobic force: lateral enhancement of subcritical fluctuations. Langmuir, 1993, 9, 3618-3624.	3.5	112
66	Why Direct or Reversed Hofmeister Series? Interplay of Hydration, Non-electrostatic Potentials, and Ion Size. Langmuir, 2010, 26, 3323-3328.	3.5	111
67	Microstructure from x-ray scattering: the disordered open connected model of microemulsions. The Journal of Physical Chemistry, 1987, 91, 3814-3820.	2.9	105
68	Forces between bilayers of cetyltrimethylammonium bromide in micellar solutions. Journal of Colloid and Interface Science, 1988, 126, 569-578.	9.4	105
69	Van der Waals Forces in Electrolytes. Journal of Chemical Physics, 1972, 56, 5797-5801.	3.0	103
70	Ion Specificity of Micelles Explained by Ionic Dispersion Forces. Langmuir, 2002, 18, 6010-6014.	3.5	103
71	Surfactant diffusion: New results and interpretations. Journal of Colloid and Interface Science, 1983, 93, 184-204.	9.4	102
72	Small-angle x-ray scattering from ternary microemulsions determines microstructure. The Journal of Physical Chemistry, 1988, 92, 2286-2293.	2.9	102

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73	Ordering in colloidal systems. Advances in Colloid and Interface Science, 1978, 9, 37-60.	14.7	101
74	Role of solvent structure in solution theory. Journal of the Chemical Society, Faraday Transactions 2, 1977, 73, 630-648.	1.1	99
75	Synthesis of Copper Nanosize Particles in Anionic Reverse Micelles: Effect of the Addition of a Cationic Surfactant on the Size of the Crystallites. Langmuir, 1995, 11, 2385-2392.	3.5	99
76	Water Absorbency by Wool Fibers:Â Hofmeister Effect. Biomacromolecules, 2002, 3, 1217-1224.	5.4	98
77	Hofmeister Series:Â The Hydrolytic Activity ofAspergillus nigerLipase Depends on Specific Anion Effects. Journal of Physical Chemistry B, 2005, 109, 5406-5408.	2.6	96
78	Effect of Salts and Dissolved Gas on Optical Cavitation near Hydrophobic and Hydrophilic Surfaces. Langmuir, 1997, 13, 3024-3028.	3.5	95
79	Importance of Accurate Dynamic Polarizabilities for the Ionic Dispersion Interactions of Alkali Halides. Langmuir, 2010, 26, 1816-1823.	3.5	95
80	The curious world of hydroxide surfactants. Spontaneous vesicles and anomalous micelles. The Journal of Physical Chemistry, 1983, 87, 5020-5025.	2.9	94
81	Study of the Long-Range Hydrophobic Attraction in Concentrated Salt Solutions and Its Implications for Electrostatic Models. Langmuir, 1998, 14, 3326-3332.	3.5	93
82	Hofmeister specific-ion effects on enzyme activity and buffer pH: Horseradish peroxidase in citrate buffer. Journal of Molecular Liquids, 2006, 123, 14-19.	4.9	93
83	Van der Waals forces in many-layered structures: Generalizations of the lifshitz result for two semi-infinite media. Journal of Theoretical Biology, 1973, 38, 101-109.	1.7	92
84	Toward the correct calculation of van der Waals interactions between lyophobic colloids in an aqueous medium. Journal of Colloid and Interface Science, 1971, 37, 332-341.	9.4	91
85	Hofmeister Effects in pH Measurements:Â Role of Added Salt and Co-Ions. Journal of Physical Chemistry B, 2003, 107, 2875-2878.	2.6	88
86	Role of oils and other factors in microemulsion design. The Journal of Physical Chemistry, 1984, 88, 5855-5857.	2.9	84
87	Ion Specific Surface Charge Density of SBA-15 Mesoporous Silica. Langmuir, 2010, 26, 2484-2490.	3.5	84
88	Charge Reversal of Surfaces in Divalent Electrolytes: The Role of Ionic Dispersion Interactions. Langmuir, 2010, 26, 6430-6436.	3.5	83
89	Collinsâ€™s rule, Hofmeister effects and ionic dispersion interactions. Chemical Physics Letters, 2014, 608, 55-59.	2.6	83
90	Hofmeister effect on enzymatic catalysis and colloidal structures. Current Opinion in Colloid and Interface Science, 2004, 9, 43-47.	7.4	82

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91	Hofmeister Challenges: Ion Binding and Charge of the BSA Protein as Explicit Examples. Langmuir, 2012, 28, 16355-16363.	3.5	81
92	Effect of Cations and Anions on the Formation of Polypseudorotaxanes. Journal of Physical Chemistry B, 2002, 106, 2166-2174.	2.6	80
93	Long-range vs. short-range forces. The present state of play. The Journal of Physical Chemistry, 1980, 84, 1423-1430.	2.9	78
94	Ion-Specific and Thermal Effects in the Stabilization of the Gas Nanobubble Phase in Bulk Aqueous Electrolyte Solutions. Langmuir, 2016, 32, 11245-11255.	3.5	78
95	Binding of Sodium Dodecyl Sulphate and Dodecyl Trimethyl Ammonium Chloride to Î²-Lactoglobulin: A Calorimetric Study. International Dairy Journal, 1998, 8, 141-148.	3.0	76
96	A Continuum Model of Solvation Energies Including Electrostatic, Dispersion, and Cavity Contributions. Journal of Physical Chemistry B, 2013, 117, 9421-9429.	2.6	76
97	A theoretical study of hydrocarbon adsorption on water surfaces using Lifshitz theory. Journal of Colloid and Interface Science, 1973, 45, 69-80.	9.4	75
98	Random Connected Cylinders: a New Structure in Three-Component Microemulsions. Europhysics Letters, 1987, 4, 561-568.	2.0	75
99	Effects of Dissolved Gas on Emulsions, Emulsion Polymerization, and Surfactant Aggregation. The Journal of Physical Chemistry, 1996, 100, 15503-15507.	2.9	75
100	Measurement of the interaction between adsorbed polyelectrolytes: gelatin on mica surfaces. The Journal of Physical Chemistry, 1990, 94, 4611-4617.	2.9	74
101	The Effect of Solution Behavior of Insulin on Interactions between Adsorbed Layers of Insulin. Journal of Colloid and Interface Science, 1994, 164, 136-150.	9.4	72
102	Preparation of Fe/sub 3/O/sub 4/ and Î³-Fe/sub 2/O/sub 3/ powders by magnetomechanical activation of hematite. IEEE Transactions on Magnetics, 1994, 30, 732-734.	2.1	72
103	Stochastic Models for Secondâ€Order Chemical Reaction Kinetics. The Equilibrium State. Journal of Chemical Physics, 1966, 45, 2145-2155.	3.0	71
104	Hofmeister Effects in Biology:â€‰ Effect of Choline Addition on the Salt-Induced Super Activity of Horseradish Peroxidase and Its Implication for Salt Resistance of Plants. Journal of Physical Chemistry B, 2005, 109, 16511-16514.	2.6	71
105	Intermolecular forcesâ€"the long and short of it. Journal of Colloid and Interface Science, 1977, 58, 14-25.	9.4	70
106	Ion specificity of the zeta potential of Î±-alumina, and of the adsorption of p-hydroxybenzoate at the Î±-aluminaâ€"water interface. Journal of Colloid and Interface Science, 2010, 344, 482-491.	9.4	70
107	Hofmeister series reversal for lysozyme by change in pH and salt concentration: insights from electrophoretic mobility measurements. Physical Chemistry Chemical Physics, 2012, 14, 4343.	2.8	70
108	Phase boundaries for ternary microemulsions: predictions of a geometric model. The Journal of Physical Chemistry, 1989, 93, 1464-1471.	2.9	69

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109	Role of Co-Ion Specificity and Dissolved Atmospheric Gas in Colloid Interaction. Langmuir, 2000, 16, 10087-10091.	3.5	69
110	Interactions between a positively charged hydrophobic surface and a negatively charged bare mica surface. Journal of Colloid and Interface Science, 1987, 118, 68-79.	9.4	68
111	Approaches to hydration, old and new: Insights through Hofmeister effects. Current Opinion in Colloid and Interface Science, 2011, 16, 612-617.	7.4	68
112	Video enhanced differential interference contrast microscopy: a new tool for the study of association colloids and prebiotic assemblies. Journal of Colloid and Interface Science, 1984, 100, 287-301.	9.4	67
113	Interaction between Surfaces of Fused Silica in Water. Evidence of Cold Fusion and Effects of Cold Plasma Treatment. Langmuir, 1998, 14, 3223-3235.	3.5	67
114	Why the properties of proteins in salt solutions follow a Hofmeister series. Current Opinion in Colloid and Interface Science, 2004, 9, 48-52.	7.4	67
115	A note on the extension of the Lifshitz theory of van der Waals forces to magnetic media. Journal of Physics C: Solid State Physics, 1971, 4, 1988-1993.	1.5	66
116	The Rideal Lecture. Vesicles and molecular forces. Faraday Discussions of the Chemical Society, 1986, 81, 1.	2.2	66
117	Aqueous solution properties of nonionic n-dodecyl .beta.-D-maltoside micelles. The Journal of Physical Chemistry, 1986, 90, 4581-4586.	2.9	66
118	The Influence of Ionic Dispersion Potentials on Counterion Condensation on Polyelectrolytes. Journal of Physical Chemistry B, 2002, 106, 7908-7912.	2.6	66
119	Surface charge reversal and hydration forces explained by ionic dispersion forces and surface hydration. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 383, 2-9.	4.7	66
120	A Continuum Solvent Model of the Multipolar Dispersion Solvation Energy. Journal of Physical Chemistry B, 2013, 117, 9412-9420.	2.6	66
121	Meaning and structure of amphiphilic phases: inferences from video-enhanced microscopy and cryotransmission electron microscopy. The Journal of Physical Chemistry, 1987, 91, 674-685.	2.9	65
122	Nanotubes from a Vitamin C-Based Bolaamphiphile. Journal of the American Chemical Society, 2006, 128, 7209-7214.	13.7	65
123	Dispersion interaction of crossed mica cylinders: a reanalysis of the Israelachviliâ€“Tabor experiments. Journal of the Chemical Society Faraday Transactions I, 1976, 72, 2526.	1.0	63
124	Specific Anion Effects on Enzymatic Activity in Nonaqueous Media. Journal of Physical Chemistry B, 2008, 112, 12066-12072.	2.6	63
125	Ionâ€“solvent interactions and the activity coefficients of real electrolyte solutions. Journal of the Chemical Society, Faraday Transactions 2, 1984, 80, 115-139.	1.1	62
126	Specific Cation Effects on Hemoglobin Aggregation below and at Physiological Salt Concentration. Langmuir, 2013, 29, 15350-15358.	3.5	62

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127	van der Waals Forces between Two Spheres. Journal of Chemical Physics, 1972, 56, 1117-1126.	3.0	61
128	Adsorption Forces between Hydrophobic Monolayers. Langmuir, 1996, 12, 1936-1943.	3.5	61
129	The Double-Layer Interaction in Asymmetric Electrolytes. Europhysics Letters, 1990, 12, 471-477.	2.0	60
130	Influence of Hofmeister Effects on Surface pH and Binding of Peptides to Membranes. Langmuir, 2002, 18, 8609-8615.	3.5	60
131	Contributions from Dispersion and Born Self-Free Energies to the Solvation Energies of Salt Solutions. Journal of Physical Chemistry B, 2004, 108, 12593-12595.	2.6	59
132	Surface forces: Changing concepts and complexity with dissolved gas, bubbles, salt and heat. Current Opinion in Colloid and Interface Science, 2017, 27, 25-32.	7.4	59
133	Observation of two phases within the cubic phase region of a ternary surfactant solution. Langmuir, 1990, 6, 1136-1140.	3.5	58
134	Dispersion Self-Free Energies and Interaction Free Energies of Finite-Sized Ions in Salt Solutions. Langmuir, 2004, 20, 7569-7574.	3.5	58
135	Lifshitz theory of Casimir forces at finite temperature. Physical Review A, 1998, 57, 1870-1880.	2.5	57
136	Hofmeister effects in supramolecular and biological systems. Biophysical Chemistry, 2006, 124, 208-213.	2.8	57
137	Range of the screened coulomb interaction in electrolytes and double layer problems. Chemical Physics Letters, 1978, 53, 397-399.	2.6	55
138	Measurement of the interactions between membranes in a stack. Nature, 1990, 346, 252-254.	27.8	55
139	The Curious World of Polypseudorotaxanes:Â Cyclodextrins As Probes of Water Structure. Journal of Physical Chemistry B, 2003, 107, 3979-3987.	2.6	55
140	Phase transition in charged lipid membranes. Biochimica Et Biophysica Acta - Biomembranes, 1977, 469, 335-344.	2.6	54
141	Hofmeister Phenomena in Nonaqueous Media: The Solubility of Electrolytes in Ethylene Carbonate. Journal of Physical Chemistry B, 2012, 116, 14398-14405.	2.6	54
142	Shaking-Induced Aggregation and Flotation in Immunoglobulin Dispersions: Differences between Water and Waterâ€"Ethanol Mixtures. ACS Omega, 2020, 5, 14689-14701.	3.5	54
143	Plasmon Damping in Metals. Physical Review, 1966, 145, 209-217.	2.7	52
144	Low-temperature synthesis and characterization of a stable colloidal TPA-silicalite-1 suspension. Zeolites, 1997, 18, 379-386.	0.5	52

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145	Hofmeister effects in membrane biology: The role of ionic dispersion potentials. Physical Review E, 2003, 68, 041902.	2.1	52
146	Specific Ion Effects in Solutions of Globular Proteins:Â Comparison between Analytical Models and Simulation. Journal of Physical Chemistry B, 2005, 109, 24489-24494.	2.6	52
147	Temperature dependence of atom-atom interactions. Physical Review A, 1999, 60, 2581-2584.	2.5	51
148	Longâ€living nanobubbles of dissolved gas in aqueous solutions of salts and erythrocyte suspensions. Journal of Biophotonics, 2011, 4, 150-164.	2.3	51
149	The attractive forces between polar lipid bilayers. Biophysical Journal, 1988, 53, 457-460.	0.5	50
150	Threading, Growth, and Aggregation of Pseudopolyrotaxanes. Journal of Physical Chemistry B, 2008, 112, 1071-1081.	2.6	50
151	Interplay of ion specificity, pH and buffers: insights from electrophoretic mobility and pH measurements of lysozyme solutions. RSC Advances, 2013, 3, 5882.	3.6	49
152	Solvent structure in particle interactions. Part 2.â€"Forces at short range. Journal of the Chemical Society, Faraday Transactions 2, 1978, 74, 1116-1125.	1.1	48
153	Mineralization of CaCO3 in the Presence of Egg White Lysozyme. Langmuir, 2007, 23, 12269-12274.	3.5	47
154	Dispersion contributions to surface energy. Journal of Chemical Physics, 1973, 59, 6157-6162.	3.0	46
155	On the theory of dipolar fluids and ionâ€"dipole mixtures. Journal of Chemical Physics, 1978, 69, 691-696.	3.0	46
156	Electrostatic curvature contributions to interfacial tension of micellar and microemulsion phases. The Journal of Physical Chemistry, 1983, 87, 2996-2998.	2.9	46
157	Short-range interactions mediated by a solvent with surface adhesion. Molecular Physics, 1978, 35, 1669-1679.	1.7	45
158	Nuclear Magnetic Resonance Investigation of the Helix to Random Coil Transformation in Poly (Î±-amino) Tj ETQq0 0 0 rgBT /Overlock 10	4.8	44
159	van der Waals Forces between Cylinders. Biophysical Journal, 1973, 13, 359-369.	0.5	44
160	Water of hydration in coagels. Physical Chemistry Chemical Physics, 2004, 6, 1401-1407.	2.8	44
161	Effect of Salt Identity on the Phase Diagram for a Globular Protein in Aqueous Electrolyte Solution. Journal of Physical Chemistry B, 2006, 110, 24757-24760.	2.6	44
162	Hydronium and hydroxide at the airâ€"water interface with a continuum solvent model. Chemical Physics Letters, 2015, 635, 1-12.	2.6	44

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163	Hofmeister specific ion effects in two biological systems. Current Opinion in Colloid and Interface Science, 2004, 9, 97-101.	7.4	43
164	Anion Effects on Calixarene Monolayers:Â A Hofmeister Series Study. Langmuir, 2005, 21, 2242-2249.	3.5	43
165	Specific anion effects on the optical rotation of glucoseand serine. Biopolymers, 2006, 81, 136-148.	2.4	43
166	Undulations of charged membranes. Langmuir, 1990, 6, 159-162.	3.5	42
167	Asymptotic Behavior of the Pair Distribution Function of a Classical Electron Gas. Physical Review, 1968, 174, 280-289.	2.7	41
168	Interaction of amphiphilic aggregates with cells of the immune system. Trends in Immunology, 1986, 7, 278-283.	7.5	41
169	A disordered lamellar structure in the isotropic phase of a ternary double-chain surfactant system. Journal De Physique, 1990, 51, 2605-2628.	1.8	41
170	Diffusion in Model Disordered Media. Physical Review Letters, 1995, 75, 653-656.	7.8	41
171	Dressed polyions, counterion condensation, and adsorption excess in polyelectrolyte solutions.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 4342-4344.	7.1	41
172	Energy of an ion crossing a low dielectric membrane: the role of dispersion self-free energy. Biophysical Chemistry, 2005, 114, 95-101.	2.8	41
173	The bending modulus of ionic lamellar phases. Langmuir, 1991, 7, 590-595.	3.5	40
174	Insights into Hofmeister Mechanisms:Â Anion and Degassing Effects on the Cloud Point of Dioctanoylphosphatidylcholine/Water Systems. Journal of Physical Chemistry B, 2007, 111, 589-597.	2.6	40
175	Ion Interactions with the Airâ€"Water Interface Using a Continuum Solvent Model. Journal of Physical Chemistry B, 2014, 118, 8700-8710.	2.6	40
176	Calculations of van der Waals forces across films of liquid helium using Lifshitz theory. Journal of Low Temperature Physics, 1971, 5, 177-189.	1.4	39
177	Phase transitions in aqueous suspensions of spherical colloid particles. Chemical Physics Letters, 1976, 43, 353-357.	2.6	39
178	Curvature energy of surfactant interfaces confined to the plaquettes of a cubic lattice. Langmuir, 1990, 6, 1055-1062.	3.5	39
179	Asymmetric Partitioning of Anions in Lysozyme Dispersions. Journal of the American Chemical Society, 2010, 132, 6571-6577.	13.7	39
180	Two sides of the coin. Part 1. Lipid and surfactant self-assembly revisited. Colloids and Surfaces B: Biointerfaces, 2017, 152, 326-338.	5.0	39

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181	Onset of Hydrophobic Attraction at Low Surfactant Concentrations. Langmuir, 1996, 12, 3531-3535.	3.5	38
182	Mesostructured Fluids. 1. Cu(AOT)2â ˆ'H2Oâ ˆ'Isooctane in Oil Rich Regions. Journal of Physical Chemistry B, 1999, 103, 9168-9175.	2.6	38
183	Nonelectrostatic interactions between ions with anisotropic ab initio dynamic polarisabilities. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 343, 57-63.	4.7	38
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