Barry Ninham

List of Publications by Year
in descending order

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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	Physicochemical characterization of green sodium oleate-based formulations. Part 2. Effect of anions. Journal of Colloid and Interface Science, 2022, 617, 399-408.	9.4	8
2	Nafion Swelling in Salt Solutions in a Finite Sized Cell: Curious Phenomena Dependent on Sample Preparation Protocol. Polymers, 2022, 14, 1511.	4.5	7
3	Pulmonary surfactant and COVID-19: A new synthesis. QRB Discovery, 2022, 3, .	1.6	3
4	Physicochemical characterization of green sodium oleate-based formulations. Part 1. Structure and rheology. Journal of Colloid and Interface Science, 2021, 590, 238-248.	9.4	10
5	Morphologies and Structure of Brain Lipid Membrane Dispersions. Frontiers in Cell and Developmental Biology, 2021, 9, 675140.	3.7	18
6	Structuring effect of some salts on glycerol carbonate: A near-infrared spectroscopy, small- and wide-angle X-ray scattering study. Journal of Molecular Liquids, 2021, 337, 116413.	4.9	2
7	After DLVO: Hans Lyklema and the keepers of the faith. Advances in Colloid and Interface Science, 2020, 276, 102082.	14.7	13
8	Pulmonary intravascular coagulopathy in COVID-19 pneumonia. Lancet Rheumatology, The, 2020, 2, e458-e459.	3.9	0
9	Formation of Water-Free Cavity in the Process of Nafion Swelling in a Cell of Limited Volume; Effect of Polymer Fibers Unwinding. Polymers, 2020, 12, 2888.	4.5	11
10	Unexpected Properties of Degassed Solutions. Journal of Physical Chemistry B, 2020, 124, 7872-7878.	2.6	24
11	Ascorbylâ€6â€Oâ€oleate: A Bioconjugate Antioxidant Lipid. ChemistrySelect, 2020, 5, 1938-1944.	1.5	4
12	The Effect of Temperature and Magnetic Field on the Precipitation of Insoluble Salts of Alkaline Earth Metals. Journal of Solution Chemistry, 2020, 49, 289-305.	1.2	6
13	Shaking-Induced Aggregation and Flotation in Immunoglobulin Dispersions: Differences between Water and Waterâ€“Ethanol Mixtures. ACS Omega, 2020, 5, 14689-14701.	3.5	54
14	Ion flotation removal of a range of contaminant ions from drinking water. Journal of Environmental Chemical Engineering, 2019, 7, 103263.	6.7	26
15	Virus and bacteria inactivation by CO2 bubbles in solution. Npj Clean Water, 2019, 2, .	8.0	20
16	Structure and function of the endothelial surface layer: unraveling the nanoarchitecture of biological surfaces. Quarterly Reviews of Biophysics, 2019, 52, e13.	5.7	28
17	Water sterilisation using different hot gases in a bubble column reactor. Journal of Environmental Chemical Engineering, 2018, 6, 2651-2659.	6.7	20
18	The curious effect of potassium fluoride on glycerol carbonate. How salts can influence the structuredness of organic solvents. Journal of Molecular Liquids, 2018, 255, 397-405.	4.9	13

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19	Near-surface structure of Nafion in deuterated water. Journal of Chemical Physics, 2018, 149, 164901.	3.0	32
20	Specific ion effects in non-aqueous solvents: The case of glycerol carbonate. Journal of Molecular Liquids, 2018, 266, 711-717.	4.9	14
21	Dynamics of Nafion membrane swelling in H2O/D2O mixtures as studied using FTIR technique. Journal of Chemical Physics, 2018, 148, 124901.	3.0	18
22	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
23	Specific ion effects in polysaccharide dispersions. Carbohydrate Polymers, 2017, 173, 344-352.	10.2	17
24	Low temperature MS2 (ATCC15597-B1) virus inactivation using a hot bubble column evaporator (HBCE). Colloids and Surfaces B: Biointerfaces, 2017, 151, 1-10.	5.0	19
25	Two sides of the coin. Part 2. Colloid and surface science meets real biointerfaces. Colloids and Surfaces B: Biointerfaces, 2017, 159, 394-404.	5.0	27
26	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
27	Editorial: Electrolytes and specific ion effects. New and old horizons. Current Opinion in Colloid and Interface Science, 2016, 23, A1-A5.	7.4	17
28	Phase transitions in hydrophobe/phospholipid mixtures: hints at connections between pheromones and anaesthetic activity. Physical Chemistry Chemical Physics, 2016, 18, 15375-15383.	2.8	4
29	Specific Anion Effects on the Kinetics of Iodination of Acetone. ChemPhysChem, 2016, 17, 2567-2571.	2.1	11
30	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
31	Novel Applications of Non Hofmeister Ion Specificity in Bubble Interactions. Current Opinion in Colloid and Interface Science, 2016, 23, 50-57.	7.4	0
32	A correspondence principle. Physica A: Statistical Mechanics and Its Applications, 2016, 443, 495-517.	2.6	1
33	Hofmeister effect of anions on calcium translocation by sarcoplasmic reticulum Ca2+-ATPase. Scientific Reports, 2015, 5, 14282.	3.3	16
34	Study of a Novel Method for the Thermolysis of Solutes in Aqueous Solution Using a Low Temperature Bubble Column Evaporator. Journal of Physical Chemistry B, 2015, 119, 8072-8079.	2.6	14
35	Hydronium and hydroxide at the airâ€“water interface with a continuum solvent model. Chemical Physics Letters, 2015, 635, 1-12.	2.6	44
36	Specific anion effects in Artemia salina. Chemosphere, 2015, 135, 335-340.	8.2	11

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37	The Solvation of Anions in Propylene Carbonate. Journal of Solution Chemistry, 2015, 44, 1224-1239.	1.2	30
38	Casimir forces in a plasma: possible connections to Yukawa potentials. European Physical Journal D, 2014, 68, 1.	1.3	10
39	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
40	A continuum solvent model of ionâ€“ion interactions in water. Physical Chemistry Chemical Physics, 2014, 16, 22014-22027.	2.8	30
41	Ion Interactions with the Airâ€“Water Interface Using a Continuum Solvent Model. Journal of Physical Chemistry B, 2014, 118, 8700-8710.	2.6	40
42	A Continuum Solvent Model of the Partial Molar Volumes and Entropies of Ionic Solvation. Journal of Physical Chemistry B, 2014, 118, 3122-3132.	2.6	22
43	Collinsâ€™s rule, Hofmeister effects and ionic dispersion interactions. Chemical Physics Letters, 2014, 608, 55-59.	2.6	83
44	A Continuum Solvent Model of the Multipolar Dispersion Solvation Energy. Journal of Physical Chemistry B, 2013, 117, 9412-9420.	2.6	66
45	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
46	Resonance interaction induced by metal surfaces catalyzes atom-pair breakage. Physical Review A, 2013, 87, .	2.5	2
47	A Continuum Model of Solvation Energies Including Electrostatic, Dispersion, and Cavity Contributions. Journal of Physical Chemistry B, 2013, 117, 9421-9429.	2.6	76
48	Specific Cation Effects on Hemoglobin Aggregation below and at Physiological Salt Concentration. Langmuir, 2013, 29, 15350-15358.	3.5	62
49	Ultrathin metallic coatings can induce quantum levitation between nanosurfaces. Applied Physics Letters, 2012, 100, 253104.	3.3	11
50	Enlarged molecules from excited atoms in nanochannels. Physical Review A, 2012, 86, .	2.5	4
51	Retardation turns the van der Waals attraction into a Casimir repulsion as close as 3 nm. Physical Review A, 2012, 85, .	2.5	31
52	Hofmeister Phenomena in Nonaqueous Media: The Solubility of Electrolytes in Ethylene Carbonate. Journal of Physical Chemistry B, 2012, 116, 14398-14405.	2.6	54
53	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
54	Nonelectrostatic Ionic Forces between Dissimilar Surfaces: A Mechanism for Colloid Separation. Journal of Physical Chemistry C, 2012, 116, 7782-7792.	3.1	23

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55	Hofmeister Challenges: Ion Binding and Charge of the BSA Protein as Explicit Examples. Langmuir, 2012, 28, 16355-16363.	3.5	81
56	Casimir-Lifshitz interaction between ZnO and SiO2nanorods in bromobenzene turns repulsive at intermediate separations due to retardation effects. Physical Review A, 2012, 85, .	2.5	3
57	Hofmeister Phenomena: An Update on Ion Specificity in Biology. Chemical Reviews, 2012, 112, 2286-2322.	47.7	812
58	Specific Ion Effects on Adsorption at the Solid/Electrolyte Interface: A Probe into the Concentration Limit. Langmuir, 2011, 27, 8710-8717.	3.5	38
59	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
60	Hofmeister effects: interplay of hydration, nonelectrostatic potentials, and ion size. Physical Chemistry Chemical Physics, 2011, 13, 12352.	2.8	388
61	Approaches to hydration, old and new: Insights through Hofmeister effects. Current Opinion in Colloid and Interface Science, 2011, 16, 612-617.	7.4	68
62	Measurements and Theoretical Interpretation of Points of Zero Charge/Potential of BSA Protein. Langmuir, 2011, 27, 11597-11604.	3.5	206
63	Longâ€living nanobubbles of dissolved gas in aqueous solutions of salts and erythrocyte suspensions. Journal of Biophotonics, 2011, 4, 150-164.	2.3	51
64	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
65	Specific ion effects. , 2010, , 146-231.		3
66	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
67	Electrostatic forces in electrolytes in outline. , 2010, , 35-64.		1
68	Asymmetric Partitioning of Anions in Lysozyme Dispersions. Journal of the American Chemical Society, 2010, 132, 6571-6577.	13.7	39
69	Charge Reversal of Surfaces in Divalent Electrolytes: The Role of Ionic Dispersion Interactions. Langmuir, 2010, 26, 6430-6436.	3.5	83
70	Importance of Accurate Dynamic Polarizabilities for the Ionic Dispersion Interactions of Alkali Halides. Langmuir, 2010, 26, 1816-1823.	3.5	95
71	Why Direct or Reversed Hofmeister Series? Interplay of Hydration, Non-electrostatic Potentials, and Ion Size. Langmuir, 2010, 26, 3323-3328.	3.5	111
72	Role of Dissolved Gas in Optical Breakdown of Water: Differences between Effects Due to Helium and Other Gases. Journal of Physical Chemistry B, 2010, 114, 7743-7752.	2.6	33

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73	Ion Specific Surface Charge Density of SBA-15 Mesoporous Silica. Langmuir, 2010, 26, 2484-2490.	3.5	84
74	Gels from a semifluorinated n-alkane in fluorinated solvents as a probe for intermolecular interactions. Journal of Colloid and Interface Science, 2009, 339, 259-265.	9.4	4
75	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
76	Ab Initio Molar Volumes and Gaussian Radii. Journal of Physical Chemistry A, 2009, 113, 1141-1150.	2.5	113
77	Anion-Specific Partitioning in Two-Phase Finite Volume Systems: Possible Implications for Mechanisms of Ion Pumps. Journal of Physical Chemistry B, 2009, 113, 8124-8127.	2.6	14
78	Effect of Headgroup Chirality in Nanoassemblies. Part 1. Self-Assembly of <scp>d</scp>-Isoascorbic Acid Derivatives in Water. Journal of Physical Chemistry B, 2009, 113, 1404-1412.	2.6	19
79	Effect of Headgroup Chirality in Nanoassemblies. 2. Thermal Behavior of Vitamin C-Based Surfactants. Journal of Physical Chemistry B, 2009, 113, 8324-8331.	2.6	13
80	Hofmeister Effects in Enzymatic Activity, Colloid Stability and pH Measurements: Ion-Dependent Specificity of¬Intermolecular Forces. , 2009, , 159-194.		2
81	Threading, Growth, and Aggregation of Pseudopolyrotaxanes. Journal of Physical Chemistry B, 2008, 112, 1071-1081.	2.6	50
82	Specific Anion Effects on Enzymatic Activity in Nonaqueous Media. Journal of Physical Chemistry B, 2008, 112, 12066-12072.	2.6	63
83	Interconnected Networks: Structural and Dynamic Characterization of Aqueous Dispersions of Dioctanoylphosphatidylcholine. Journal of Physical Chemistry B, 2008, 112, 12625-12634.	2.6	14
84	The influence of ion binding and ion specific potentials on the double layer pressure between charged bilayers at low salt concentrations. Journal of Chemical Physics, 2008, 128, 135104.	3.0	23
85	Mineralization of CaCO3 in the Presence of Egg White Lysozyme. Langmuir, 2007, 23, 12269-12274.	3.5	47
86	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
87	Specific Anion Effects on the Optical Rotation of Î±-Amino Acids. Journal of Physical Chemistry B, 2007, 111, 10510-10519.	2.6	32
88	Specific Alkali Cation Effects in the Transition from Micelles to Vesicles through Salt Addition. Langmuir, 2007, 23, 2376-2381.	3.5	113
89	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
90	Organogels from a Vitamin C-Based Surfactant. Journal of Physical Chemistry B, 2007, 111, 11714-11721.	2.6	30

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91	Effect of the ion-protein dispersion interactions on the protein-surface and protein-protein interactions. Journal of the Brazilian Chemical Society, 2007, 18, 223-230.	0.6	16
92	Similarity of Salt Influences on the pH of Buffers, Polyelectrolytes, and Proteins. Journal of Physical Chemistry B, 2006, 110, 8870-8876.	2.6	32
93	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
94	Why pH Titration in Protein Solutions Follows a Hofmeister Series. Journal of Physical Chemistry B, 2006, 110, 7563-7566.	2.6	30
95	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
96	Ion Specific Surface Forces between Membrane Surfaces. Journal of Physical Chemistry B, 2006, 110, 9645-9649.	2.6	21
97	Nanotubes from a Vitamin C-Based Bolaamphiphile. Journal of the American Chemical Society, 2006, 128, 7209-7214.	13.7	65
98	Hofmeister effects in supramolecular and biological systems. Biophysical Chemistry, 2006, 124, 208-213.	2.8	57
99	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
100	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
101	Interaction of Sodium Ions with Cationic Surfactant Interfaces. Chemistry - A European Journal, 2006, 12, 7889-7898.	3.3	15
102	Specific anion effects on the optical rotation of glucoseand serine. Biopolymers, 2006, 81, 136-148.	2.4	43
103	Ion Specific Interactions Between Pairs of Nanometer Sized Particles in Aqueous Solutions. , 2006, , 74-77.		1
104	The Present State of Molecular Forces. , 2006, , 65-73.		28
105	The Present State of Molecular Forces. , 2006, , 65-73.		1
106	The influence of structure and composition of a reverse SDS microemulsion on enzymatic activities and electrical conductivities. Journal of Colloid and Interface Science, 2005, 292, 244-254.	9.4	29
107	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
108	Why forces between proteins follow different Hofmeister series for pH above and below pI. Biophysical Chemistry, 2005, 117, 217-224.	2.8	194

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109	Anion Effects on Calixarene Monolayers:Â A Hofmeister Series Study. Langmuir, 2005, 21, 2242-2249.	3.5	43
110	Specific ion effects on the growth rates ofStaphylococcus aureusandPseudomonas aeruginosa. Physical Biology, 2005, 2, 1-7.	1.8	254
111	Hofmeister Effects in Surface Tension of Aqueous Electrolyte Solution. Langmuir, 2005, 21, 2619-2623.	3.5	156
112	Reply to â€œComments on â€˜Hofmeister Series:Â Hydrolytic Activity ofAspergillusnigerLipase Depends on Specific Anion Effects'â€• Journal of Physical Chemistry B, 2005, 109, 14752-14754.	2.6	5
113	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
114	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
115	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
116	Nanoparticles of Mg(OH)2:Â Synthesis and Application to Paper Conservation. Langmuir, 2005, 21, 8495-8501.	3.5	170
117	Building bridges between the physical and biological sciences. Cellular and Molecular Biology, 2005, 51, 803-13.	0.9	8
118	Atomic resonance interaction in dielectric media. Physical Review A, 2004, 69, .	2.5	7
119	Specific ion effects: Role of salt and buffer in protonation of cytochrome c. European Physical Journal E, 2004, 13, 239-245.	1.6	25
120	The present state of affairs with Hofmeister effects. Current Opinion in Colloid and Interface Science, 2004, 9, 1-18.	7.4	759
121	Hofmeister effect on enzymatic catalysis and colloidal structures. Current Opinion in Colloid and Interface Science, 2004, 9, 43-47.	7.4	82
122	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
123	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
124	Hofmeister specific ion effects in two biological systems. Current Opinion in Colloid and Interface Science, 2004, 9, 97-101.	7.4	43
125	Hofmeister effects in cationic microemulsions. Current Opinion in Colloid and Interface Science, 2004, 9, 102-106.	7.4	27
126	Specific anion effects on the aggregation properties of anionic nucleolipids. Current Opinion in Colloid and Interface Science, 2004, 9, 168-172.	7.4	15

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127	17th annual meeting of the European Colloid and Interface Science Society : ECIS2003, 21â€“26 September, 2003, Firenze, Italy. Physical Chemistry Chemical Physics, 2004, 6, E3-E3.	2.8	0
128	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
129	Water of hydration in coagels. Physical Chemistry Chemical Physics, 2004, 6, 1401-1407.	2.8	44
130	Dispersion Self-Free Energies and Interaction Free Energies of Finite-Sized Ions in Salt Solutions. Langmuir, 2004, 20, 7569-7574.	3.5	58
131	Phase Behavior of Homologous Perfluoropolyether Surfactants:Â NMR, SAXS, and Optical Microscopy. Journal of Physical Chemistry B, 2004, 108, 17751-17759.	2.6	17
132	19F NMR Investigation of Mixed Surfactants Partitioning and Kinetic Stability of Fluorinated Nanodroplets in Water. Journal of Physical Chemistry B, 2004, 108, 8201-8207.	2.6	5
133	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
134	The Confederacy in Retreat: an Appreciation of Sten Andersson. Solid State Sciences, 2003, 5, 31-33.	3.2	0
135	The Curious World of Polypseudorotaxanes:Â Cyclodextrins As Probes of Water Structure. Journal of Physical Chemistry B, 2003, 107, 3979-3987.	2.6	55
136	Effect of Water Structure on the Formation of Coagels from Ascorbyl-Alkanoates. Langmuir, 2003, 19, 3222-3228.	3.5	26
137	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
138	Specific Ion Effects: Why the Properties of Lysozyme in Salt Solutions Follow a Hofmeister Series. Biophysical Journal, 2003, 85, 686-694.	0.5	189
139	Hofmeister Effect in Coagels of Ascorbic Acid Based Surfactants. Langmuir, 2003, 19, 9583-9591.	3.5	32
140	Specific ion effects: The role of co-ions in biology. Europhysics Letters, 2003, 63, 610-615.	2.0	24
141	Screened Casimir force at finite temperatures: A possible role in nuclear interactions. Physical Review A, 2003, 67, .	2.5	14
142	Hofmeister effects in membrane biology: The role of ionic dispersion potentials. Physical Review E, 2003, 68, 041902.	2.1	52
143	Physical chemistry: The loss of certainty. , 2002, , 1-12.		20
144	Molecular resonance interaction in channels. Europhysics Letters, 2002, 59, 21-27.	2.0	6

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145	The Influence of Ionic Dispersion Potentials on Counterion Condensation on Polyelectrolytes. Journal of Physical Chemistry B, 2002, 106, 7908-7912.	2.6	66
146	Ion Specificity of Micelles Explained by Ionic Dispersion Forces. Langmuir, 2002, 18, 6010-6014.	3.5	103
147	Influence of Hofmeister Effects on Surface pH and Binding of Peptides to Membranes. Langmuir, 2002, 18, 8609-8615.	3.5	60
148	Effect of Cations and Anions on the Formation of Polypseudorotaxanes. Journal of Physical Chemistry B, 2002, 106, 2166-2174.	2.6	80
149	Water Absorbency by Wool Fibers:Â Hofmeister Effect. Biomacromolecules, 2002, 3, 1217-1224.	5.4	98
150	A new approach to the measurement of the minimum film formation temperature of latex dispersions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2002, 211, 285-293.	4.7	3
151	Superfluidity in the Solar Interior: Implications for Solar Eruptions and Climate. Journal of Fusion Energy, 2002, 21, 193-198.	1.2	11
152	Atom-atom interactions at and between metal surfaces at nonzero temperature. Physical Review A, 2001, 64, .	2.5	15
153	Surface Tension of Electrolytes:â€‰ Specific Ion Effects Explained by Dispersion Forces. Langmuir, 2001, 17, 4475-4478.	3.5	272
154	Specific Ion Effects: Why DLVO Theory Fails for Biology and Colloid Systems. Physical Review Letters, 2001, 87, 168103.	7.8	514
155	Mesostructured fluids: a geometrical model predicting experimental data. New Journal of Chemistry, 2001, 25, 563-571.	2.8	15
156	Supra-aggregates. Advances in Colloid and Interface Science, 2001, 89-90, 155-167.	14.7	13
157	Supra-Aggregation: Microphase Formation in Complex Fluids. Advanced Materials, 2000, 12, 119-123.	21.0	26
158	Role of Co-Ion Specificity and Dissolved Atmospheric Gas in Colloid Interaction. Langmuir, 2000, 16, 10087-10091.	3.5	69
159	Mechanism of low-threshold hypersonic cavitation stimulated by broadband laser pump. Physical Review E, 1999, 60, 1681-1690.	2.1	31
160	Surface forces vs. surface compositions. Colloid science from the Gibbs adsorption perspective. Advances in Colloid and Interface Science, 1999, 83, 227-311.	14.7	18
161	On progress in forces since the DLVO theory. Advances in Colloid and Interface Science, 1999, 83, 1-17.	14.7	335
162	Electrostatics of curved fluid membranes: The interplay of direct interactions and fluctuations in charged lamellar phases. Advances in Colloid and Interface Science, 1999, 83, 85-110.	14.7	37

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163	Direct Relationship Between Shape and Size of Template and Synthesis of Copper Metal Particles. Advanced Materials, 1999, 11, 1358-1362.	21.0	139
164	Temperature dependence of atom-atom interactions. Physical Review A, 1999, 60, 2581-2584.	2.5	51
165	Mesostructured Fluids. 2. Microstructure and Supra-aggregation. Journal of Physical Chemistry B, 1999, 103, 9176-9189.	2.6	27
166	Marangoni â€œPrecursorâ€•in Dynamic Dewetting Transition:Â Adsorption Pressure Effect. Langmuir, 1999, 15, 3683-3688.	3.5	12
167	Effects of Adsorption of Low-Molecular-Weight Triblock Copolymers on Interactions between Hydrophobic Surfaces in Water. Langmuir, 1999, 15, 3242-3249.	3.5	13
168	Direct Measurement of Hydrophobic Forces:Â A Study of Dissolved Gas, Approach Rate, and Neutron Irradiation. Langmuir, 1999, 15, 1562-1569.	3.5	120
169	Mesostructured Fluids. 1. Cu(AOT)2â^'H2Oâ^'Isooctane in Oil Rich Regions. Journal of Physical Chemistry B, 1999, 103, 9168-9175.	2.6	38
170	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
171	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
172	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
173	Interaction between Hydrophilic Surfaces in Triblock Copolymer Solution. Langmuir, 1998, 14, 7287-7291.	3.5	14
174	Lifshitz theory of Casimir forces at finite temperature. Physical Review A, 1998, 57, 1870-1880.	2.5	57
175	Comment on â€œDeformation of fluid interfaces under double-layer forces stabilizes bubble dispersionsâ€• Physical Review E, 1998, 57, 7362-7363.	2.1	2
176	Thermodynamics of Transfer of Amphiphiles between the Liquidâ^'Air Interface and a Solid SurfaceWetting Tension Study of Langmuirâ^'Blodgett Films. Langmuir, 1997, 13, 1746-1757.	3.5	24
177	Dewetting of Mica Induced by Simple Organic Ions. Kinetic and Thermodynamic Study. Langmuir, 1997, 13, 5979-5990.	3.5	20
178	Effect of Salts and Dissolved Gas on Optical Cavitation near Hydrophobic and Hydrophilic Surfaces. Langmuir, 1997, 13, 3024-3028.	3.5	95
179	Ion Binding and Ion Specificity:Â The Hofmeister Effect and Onsager and Lifshitz Theories. Langmuir, 1997, 13, 2097-2108.	3.5	569
180	Lipid Self-Assembly and Function In Biological Systems. , 1997, , 199-235.		4

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