

Models and mechanisms of Hofmeister effects in electrostatic protein systems revisited

Chemical Society Reviews

43, 7358-7377

DOI: [10.1039/c4cs00144c](https://doi.org/10.1039/c4cs00144c)

Citation Report

#	ARTICLE	IF	CITATIONS
2	Hydration of ions in two-dimensional water. <i>Physical Review E</i> , 2015, 92, 042152.	0.8	0
4	Precipitating Sodium Dodecyl Sulfate to Create Ultrastable and Stimulable Foams. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9533-9536.	7.2	48
5	Hofmeister Phenomena in Bioelectrochemistry: The Supporting Electrolyte Affects the Response of Glucose Electrodes. <i>ChemElectroChem</i> , 2015, 2, 659-663.	1.7	20
6	Physicochemical Properties of Ion Pairs of Biological Macromolecules. <i>Biomolecules</i> , 2015, 5, 2435-2463.	1.8	30
7	Overview of the Effect of Salts on Biphasic Ionic Liquid/Water Solvent Extraction Systems: Anion Exchange, Mutual Solubility, and Thermomorphic Properties. <i>Journal of Physical Chemistry B</i> , 2015, 119, 6747-6757.	1.2	140
8	Specific ion effects on the electrokinetic properties of iron oxide nanoparticles: experiments and simulations. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 17069-17078.	1.3	29
9	Effect of sodium chloride on solute-solvent interactions in aqueous polyethylene glycol-sodium sulfate two-phase systems. <i>Journal of Chromatography A</i> , 2015, 1425, 51-61.	1.8	11
10	Tuning Thermo-responsive Supramolecular G-Quadruplexes. <i>Langmuir</i> , 2015, 31, 2095-2103.	1.6	16
11	Effects of Salting-In Interactions on Macromolecule Diffusiophoresis and Salt Osmotic Diffusion. <i>Langmuir</i> , 2015, 31, 1353-1361.	1.6	13
12	Hofmeister effect of salt mixtures on thermo-responsive poly(propylene oxide). <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 6359-6366.	1.3	31
13	On the crossroads of current polyelectrolyte theory and counterion-specific effects. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 5650-5658.	1.3	27
14	Microscopic Origin of the Hofmeister Effect in Gelation Kinetics of Colloidal Silica. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 2881-2887.	2.1	44
15	Effect of Hofmeister anions on the existence of the biaxial nematic phase in lyotropic mixtures of dodecyltrimethylammonium bromide/sodium salt/1-dodecanol/water. <i>Liquid Crystals</i> , 2015, 42, 973-981.	0.9	16
16	Salt-Induced Modulation of the Krafft Temperature and Critical Micelle Concentration of Benzyltrimethylhexadecylammonium Chloride. <i>Journal of Surfactants and Detergents</i> , 2015, 18, 651-659.	1.0	17
17	Cooperativity between various types of polar solute-solvent interactions in aqueous media. <i>Journal of Chromatography A</i> , 2015, 1408, 108-117.	1.8	16
18	The impact of the competitive adsorption of ions at surface sites on surface free energies and surface forces. <i>Journal of Chemical Physics</i> , 2015, 142, 134707.	1.2	31
19	Responses of proteins to different ionic environment are linearly interrelated. <i>Journal of Chromatography A</i> , 2015, 1387, 32-41.	1.8	18
20	Ionic liquids: new age materials for eco-friendly leather processing. <i>RSC Advances</i> , 2015, 5, 31998-32005.	1.7	21

#	ARTICLE	IF	CITATIONS
21	The molecular motion of bovine serum albumin under physiological conditions is ion specific. <i>Chemical Communications</i> , 2015, 51, 6663-6666.	2.2	80
22	Super LCST thermo-responsive nanoparticle assembly for ATP binding through the Hofmeister effect. <i>Journal of Materials Chemistry B</i> , 2015, 3, 1957-1967.	2.9	6
23	Lysozyme stability and amyloid fibrillization dependence on Hofmeister anions in acidic pH. <i>Journal of Biological Inorganic Chemistry</i> , 2015, 20, 921-933.	1.1	29
24	Analysis of partitioning of organic compounds and proteins in aqueous polyethylene glycol-sodium sulfate aqueous two-phase systems in terms of solute-solvent interactions. <i>Journal of Chromatography A</i> , 2015, 1415, 1-10.	1.8	37
25	Substituent Effects in CH Hydrogen Bond Interactions: Linear Free Energy Relationships and Influence of Anions. <i>Journal of the American Chemical Society</i> , 2015, 137, 14959-14967.	6.6	63
26	Hofmeister-Effekte unter der Lupe: Die direkte Anion-Amid-Bindung ist schwächer als die Kation-Amid-Bindung. <i>Angewandte Chemie</i> , 2016, 128, 8257-8261.	1.6	5
27	Comparative Study of Poly(ϵ -Caprolactone) and Poly(Lactic-co-Glycolic Acid) -Based Nanofiber Scaffolds for pH-Sensing. <i>Pharmaceutical Research</i> , 2016, 33, 2433-2444.	1.7	19
28	Charge Correlations for Precise, Coulombically Driven Self Assembly. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 126-136.	1.1	22
29	Estimation of the Pitzer Parameters for 1 ⁻ , 2 ⁻ , 3 ⁻ , 4 ⁻ , and 2 ⁺ Single Electrolytes at 25 °C. <i>Journal of Chemical & Engineering Data</i> , 2016, 61, 2536-2554.	1.0	30
30	Dissecting Hofmeister Effects: Direct Anion-Amide Interactions Are Weaker than Cation-Amide Binding. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8125-8128.	7.2	38
31	Ratiometric detection of Raman hydration shell spectra. <i>Journal of Raman Spectroscopy</i> , 2016, 47, 1231-1238.	1.2	22
32	Hyperactivation of β -chymotrypsin by the Hofmeister effect. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 133, S432-S438.	1.8	13
33	Influence of Anion Hydrophilicity on the Conformation of a Hydrophobic Weak Polyelectrolyte Brush. <i>Macromolecules</i> , 2016, 49, 9605-9617.	2.2	39
34	Analytical Ultracentrifugation. , 2016, , .		13
35	Anion Specificity of Polyzwitterionic Brushes with Different Carbon Spacer Lengths and Its Application for Controlling Protein Adsorption. <i>Langmuir</i> , 2016, 32, 2698-2707.	1.6	45
36	Hofmeister effects on the glucose oxidase hydrogel-modified electrode. <i>Electrochimica Acta</i> , 2016, 201, 228-232.	2.6	13
37	Mesoporous Silica Nanoparticles Functionalized with Hyaluronic Acid and Chitosan Biopolymers. Effect of Functionalization on Cell Internalization. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 741-751.	2.6	51
38	Are specific buffer effects the new frontier of Hofmeister phenomena? Insights from lysozyme adsorption on ordered mesoporous silica. <i>RSC Advances</i> , 2016, 6, 94617-94621.	1.7	22

#	ARTICLE	IF	CITATIONS
39	Specific-ion effects in non-aqueous systems. <i>Current Opinion in Colloid and Interface Science</i> , 2016, 23, 82-93.	3.4	60
40	Hofmeister series: The quantum mechanical viewpoint. <i>Current Opinion in Colloid and Interface Science</i> , 2016, 23, 119-125.	3.4	10
41	Effects of cationic nanoparticles (CNP) on counterion binding constant (RXBr) and catalytic constant (k _{cat}) in micellar system. <i>Journal of Molecular Catalysis A</i> , 2016, 423, 365-370.	4.8	4
42	The degradation of wall paintings and stone: Specific ion effects. <i>Current Opinion in Colloid and Interface Science</i> , 2016, 23, 66-71.	3.4	14
43	Supramolecular Assembly of Metal-Organic Tubes Constructed from the Ditopic Heteroscorpionate Ligand (4-(NH ₂ C ₆ H ₄)CHp ₂ 2 (pz = Pyrazolyl) and Silver(I). <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 2615-2625.	1.0	10
44	Effect of ionic strength on intra-protein electron transfer reactions: The case study of charge recombination within the bacterial reaction center. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 1541-1549.	0.5	5
45	Role of hydrogen bonding in solubility of poly(N-isopropylacrylamide) brushes in sodium halide solutions. <i>Chinese Physics B</i> , 2016, 25, 074703.	0.7	7
46	Light- or oxidation-triggered CO release from [Mn ^I (CO) ₃ (^η -L)] complexes: reaction intermediates and a new synthetic route to [Mn ^{III} (IV2(^η -O) ₂ (L) ₂)] compounds. <i>Dalton Transactions</i> , 2016, 45, 17464-17473.	1.6	43
47	Chaotropic salts interacting with soft matter: Beyond the lyotropic series. <i>Current Opinion in Colloid and Interface Science</i> , 2016, 23, 100-109.	3.4	43
48	Role of kosmotrope-chaotrope interactions at micelle surfaces on the stabilization of lyotropic nematic phases. <i>European Physical Journal E</i> , 2016, 39, 107.	0.7	14
49	Hofmeister effect on thermo-responsive poly(propylene oxide) in H ₂ O and D ₂ O. <i>RSC Advances</i> , 2016, 6, 27969-27973.	1.7	8
50	Tuning ice nucleation with counterions on polyelectrolyte brush surfaces. <i>Science Advances</i> , 2016, 2, e1600345.	4.7	134
51	Reorganization of hydrogen bond network makes strong polyelectrolyte brushes pH-responsive. <i>Science Advances</i> , 2016, 2, e1600579.	4.7	43
52	Use of dicyanamide ionic liquids for extraction of metal ions. <i>RSC Advances</i> , 2016, 6, 107894-107904.	1.7	27
53	Materials perspective on Casimir and van der Waals interactions. <i>Reviews of Modern Physics</i> , 2016, 88, .	16.4	276
54	The interfacial tension concept, as revealed by fluctuations. <i>Current Opinion in Colloid and Interface Science</i> , 2016, 23, 29-40.	3.4	10
55	Ions at interfaces: the central role of hydration and hydrophobicity. <i>Current Opinion in Colloid and Interface Science</i> , 2016, 23, 19-28.	3.4	78
56	Not only pH. Specific buffer effects in biological systems. <i>Current Opinion in Colloid and Interface Science</i> , 2016, 23, 1-9.	3.4	68

#	ARTICLE	IF	CITATIONS
57	Screening of formulation parameters for stabilizing recombinant human serum albumin (rHSA) in liquid formulations. <i>Journal of Drug Delivery Science and Technology</i> , 2016, 34, 1-9.	1.4	3
58	Copper extraction using protic ionic liquids: Evidence of the Hofmeister effect. <i>Separation and Purification Technology</i> , 2016, 168, 275-283.	3.9	34
59	Hofmeister effects at low salt concentration due to surface charge transfer. <i>Current Opinion in Colloid and Interface Science</i> , 2016, 23, 41-49.	3.4	40
60	Cosolvent and Crowding Effects on the Temperature and Pressure Dependent Conformational Dynamics and Stability of Globular Actin. <i>Journal of Physical Chemistry B</i> , 2016, 120, 6575-6586.	1.2	25
61	Novel Applications of Non Hofmeister Ion Specificity in Bubble Interactions. <i>Current Opinion in Colloid and Interface Science</i> , 2016, 23, 50-57.	3.4	0
62	Cross-linking of highly methoxylated pectin with copper: the specific anion influence. <i>New Journal of Chemistry</i> , 2016, 40, 1618-1625.	1.4	22
63	Effect of Salt on the Manufacturing and Properties of Hand Dishwashing Liquids in the Coacervate Form. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 1134-1141.	1.8	26
64	Mimicking enzymatic systems: modulation of the performance of polymeric organocatalysts by ion-specific effects. <i>Chemical Communications</i> , 2016, 52, 3392-3395.	2.2	9
65	Varying the counter ion changes the kinetics, but not the final structure of colloidal gels. <i>Journal of Colloid and Interface Science</i> , 2016, 463, 137-144.	5.0	6
66	Modulating the solubility of zwitterionic poly((3-methacrylamidopropyl)ammonioalkane sulfonate)s in water and aqueous salt solutions via the spacer group separating the cationic and the anionic moieties. <i>Polymer Chemistry</i> , 2016, 7, 731-740.	1.9	64
67	Effects of cations on the "salt in" of myofibrillar proteins. <i>Food Hydrocolloids</i> , 2016, 58, 179-183.	5.6	61
68	Tuning protein-protein interactions using cosolvents: specific effects of ionic and non-ionic additives on protein phase behavior. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 10270-10280.	1.3	27
69	Aqueous Solutions: Quantum Specification. <i>Springer Series in Chemical Physics</i> , 2016, , 305-363.	0.2	0
70	Modified interactions among globular proteins below isoelectric point in the presence of mono-, di- and tri-valent ions: A small angle neutron scattering study. <i>Chemical Physics Letters</i> , 2016, 645, 127-132.	1.2	6
71	Hofmeister effect on thermo-responsive poly(propylene oxide): Role of polymer molecular weight and concentration. <i>Journal of Colloid and Interface Science</i> , 2016, 465, 67-75.	5.0	22
72	Effect of electrolytes on proteins physisorption on ordered mesoporous silica materials. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 137, 77-90.	2.5	31
73	Development of the modern theory of polymeric complex coacervation. <i>Advances in Colloid and Interface Science</i> , 2017, 239, 2-16.	7.0	208
74	Effects of the Hofmeister series of sodium salts on the solvent properties of water. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 5254-5261.	1.3	26

#	ARTICLE	IF	CITATIONS
75	Tuning the Solid/Liquid Interface in Ionic Colloidal Dispersions: Influence on Their Structure and Thermodiffusive Properties. <i>Journal of Physical Chemistry C</i> , 2017, 121, 5539-5550.	1.5	19
76	Protein-ion Interactions: Simulations of Bovine Serum Albumin in Physiological Solutions of NaCl, KCl and LiCl. <i>Israel Journal of Chemistry</i> , 2017, 57, 403-412.	1.0	16
77	Energy upcycle in anaerobic treatment: Ammonium, methane, and carbon dioxide reformation through a hybrid electrodeionization–solid oxide fuel cell system. <i>Energy Conversion and Management</i> , 2017, 140, 157-166.	4.4	17
78	Lyotropic liquid crystal engineering moving beyond binary compositional space – ordered nanostructured amphiphile self-assembly materials by design. <i>Chemical Society Reviews</i> , 2017, 46, 2705-2731.	18.7	155
79	Proteins in Ionic Liquids: Current Status of Experiments and Simulations. <i>Topics in Current Chemistry</i> , 2017, 375, 25.	3.0	117
80	Cation-Selective Channel Regulated by Anions According to Their Hofmeister Ranking. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3506-3509.	7.2	17
81	Stability Evaluation of Cation Bridging on Muscovite Surface for Improved Description of Ion-Specific Wettability Alteration. <i>Journal of Physical Chemistry C</i> , 2017, 121, 9273-9281.	1.5	35
82	A Cation Study on Rice Husk Biomass Pretreatment with Aqueous Hydroxides: Cellulose Solubility Does Not Correlate with Improved Enzymatic Hydrolysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 5320-5329.	3.2	9
83	Counterion-specific clouding in aqueous anionic surfactant: a case of Hofmeister-like series. <i>Colloid and Polymer Science</i> , 2017, 295, 869-876.	1.0	4
84	Electric fields within clay materials: How to affect the adsorption of metal ions. <i>Journal of Colloid and Interface Science</i> , 2017, 501, 54-59.	5.0	47
85	Equilibrium and kinetic behavior on cadmium and lead removal by using synthetic polymer. <i>Journal of Water Process Engineering</i> , 2017, 17, 277-289.	2.6	14
86	Hydrophobicity of carbohydrates and related hydroxy compounds. <i>Carbohydrate Research</i> , 2017, 446-447, 101-112.	1.1	11
87	Effect of the zwitterion structure on the thermo-responsive behaviour of poly(sulfobetaine) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 262 T	1.9	84
88	Cation effects on haemoglobin aggregation: balance of chemisorption against physisorption of ions. <i>Interface Focus</i> , 2017, 7, 20160137.	1.5	32
89	Catching the chloride: searching for non-Hofmeister selectivity behavior in systematically varied polyamide macrocyclic receptors. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 5927-5943.	1.5	31
90	Cation-Selective Channel Regulated by Anions According to Their Hofmeister Ranking. <i>Angewandte Chemie</i> , 2017, 129, 3560-3563.	1.6	3
91	Estimating Hofmeister energy in ion-clay mineral interactions from the Gouy-Chapman theory. <i>Applied Clay Science</i> , 2017, 146, 122-130.	2.6	21
92	Supramolecular–Assembled Nanoporous Film with Switchable Metal Salts for a Triboelectric Nanogenerator. <i>Advanced Functional Materials</i> , 2017, 27, 1701367.	7.8	24

#	ARTICLE	IF	CITATIONS
93	Influence of Co-Ion Nature on the Gelation Kinetics of Colloidal Silica Suspensions. <i>Journal of Physical Chemistry B</i> , 2017, 121, 5654-5659.	1.2	11
94	Buffers Strongly Modulate Fibrin Self-Assembly into Fibrous Networks. <i>Langmuir</i> , 2017, 33, 6342-6352.	1.6	45
95	Anionic and cationic Hofmeister effects are non-additive for guanidinium salts. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 9724-9728.	1.3	11
96	Investigations of the Hofmeister series and other specific ion effects using lipid model systems. <i>Advances in Colloid and Interface Science</i> , 2017, 243, 8-22.	7.0	47
97	Thermodynamic Modeling of Aqueous Electrolyte Systems: Current Status. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 2481-2495.	1.0	59
98	Molecular Connectivity and Correlation Effects on Polymer Coacervation. <i>Macromolecules</i> , 2017, 50, 3030-3037.	2.2	112
99	Ion Distribution and Hydration Structure in the Stern Layer on Muscovite Surface. <i>Langmuir</i> , 2017, 33, 3892-3899.	1.6	47
100	Decyltrimethylammonium Bromide Micelles in Acidic Solutions: Counterion Binding, Water Structuring, and Micelle Shape. <i>Langmuir</i> , 2017, 33, 262-271.	1.6	11
101	Correlation of lysozyme activity and stability in the presence of Hofmeister series anions. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 281-288.	1.1	32
102	Towards Versatile and Sustainable Hydrogen Production through Electrocatalytic Water Splitting: Electrolyte Engineering. <i>ChemSusChem</i> , 2017, 10, 1318-1336.	3.6	154
103	Influence of Cations on the Fluorescence Quenching of an Ionic, Sterically Congested Pyrenyl Moiety by Iodide in Water. <i>Journal of Physical Chemistry A</i> , 2017, 121, 7588-7596.	1.1	6
104	Sequence and entropy-based control of complex coacervates. <i>Nature Communications</i> , 2017, 8, 1273.	5.8	249
105	The effect of comb architecture on complex coacervation. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 7630-7642.	1.5	34
106	Transfer matrix theory of polymer complex coacervation. <i>Soft Matter</i> , 2017, 13, 7001-7012.	1.2	106
107	Electrolyte effects on enzyme electrochemistry. <i>Current Opinion in Electrochemistry</i> , 2017, 5, 158-164.	2.5	17
108	Ion-Specific Interfacial Crystallization of Polymer-Grafted Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2017, 121, 15424-15429.	1.5	33
109	Ion specific hydration in nano-confined electrical double layers. <i>Journal of Colloid and Interface Science</i> , 2017, 506, 263-270.	5.0	17
110	General Principles and Strategies for Salting-Out Informed by the Hofmeister Series. <i>Organic Process Research and Development</i> , 2017, 21, 1355-1370.	1.3	307

#	ARTICLE	IF	CITATIONS
111	Coarse-Grained Model of the Dynamics of Electrolyte Solutions. <i>Journal of Physical Chemistry B</i> , 2017, 121, 8195-8202.	1.2	49
112	Strong Co-Ion Effect via Cation- π Interaction on the Self-Assembly of Metal-Organic Cationic Macrocycles. <i>Journal of the American Chemical Society</i> , 2017, 139, 12020-12026.	6.6	39
113	Critical Influence of Cosolutes and Surfaces on the Assembly of Serpin-Derived Amyloid Fibrils. <i>Biophysical Journal</i> , 2017, 113, 580-596.	0.2	20
114	Differences in the Aspect Ratio of Gold Nanorods that Induce Defects in Cell Membrane Models. <i>Langmuir</i> , 2017, 33, 14286-14294.	1.6	14
115	Specific Ion Effects on the Mediated Oxidation of NADH. <i>ChemElectroChem</i> , 2017, 4, 3075-3080.	1.7	8
116	Investigation of Hofmeister effects in ultra-dilute solutions at the water/silica interface using electrokinetic current generation. <i>Journal of Electroanalytical Chemistry</i> , 2017, 806, 166-171.	1.9	0
117	Joule Heating and Thermal Denaturation of Proteins in Nano-ESI Theta Tips. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 2001-2010.	1.2	16
118	Ionic Strength Differentially Affects the Bioavailability of Neutral and Negatively Charged Inorganic Hg Complexes. <i>Environmental Science & Technology</i> , 2017, 51, 9653-9662.	4.6	29
119	A simple method for point-of-need extraction, concentration and rapid multi-mycotoxin immunodetection in feeds using aqueous two-phase systems. <i>Journal of Chromatography A</i> , 2017, 1511, 15-24.	1.8	17
120	Ion specificities of artificial macromolecules. <i>Soft Matter</i> , 2017, 13, 68-80.	1.2	48
121	Low concentration DNA extraction and recovery using a silica solid phase. <i>PLoS ONE</i> , 2017, 12, e0176848.	1.1	72
122	Diverging Effects of NaCl and CsCl on the Mechanical Properties of Nanoconfined Water. <i>Journal of the Electrochemical Society</i> , 2018, 165, H114-H120.	1.3	0
123	Probing the Hofmeister series beyond water: Specific-ion effects in non-aqueous solvents. <i>Journal of Chemical Physics</i> , 2018, 148, 222805.	1.2	44
124	Effect of different aqueous solutions of pure salts and salt mixtures in reverse electrodialysis systems for closed-loop applications. <i>Journal of Membrane Science</i> , 2018, 551, 315-325.	4.1	36
125	Specific Cation Effects on SCN ⁻ in Bulk Solution and at the Air-Water Interface. <i>Journal of Physical Chemistry B</i> , 2018, 122, 5094-5105.	1.2	24
126	Salt Dependence of the Tribological Properties of a Surface-Grafted Weak Polycation in Aqueous Solution. <i>Tribology Letters</i> , 2018, 66, 11.	1.2	11
127	Counterion Specificity of Polyelectrolyte Brushes: Role of Specific Ion-Pairing Interactions. <i>ChemPhysChem</i> , 2018, 19, 1404-1413.	1.0	19
128	Modulation of the Formation of A β ²⁻ - and Sup35NM-Based Amyloids by Complex Interplay of Specific and Nonspecific Ion Effects. <i>Journal of Physical Chemistry B</i> , 2018, 122, 4972-4981.	1.2	9

#	ARTICLE	IF	CITATIONS
129	Influence of Ion Solvation on the Properties of Electrolyte Solutions. <i>Journal of Physical Chemistry B</i> , 2018, 122, 4029-4034.	1.2	88
130	Ion Valence and Concentration Effects on the Interaction between Polystyrene Sulfonate-Modified Carbon Nanotubes in Water. <i>Journal of Physical Chemistry C</i> , 2018, 122, 9619-9631.	1.5	7
131	Specific Ion Effects on Protein Thermal Aggregation from Dilute Solutions to Crowded Environments. <i>Langmuir</i> , 2018, 34, 4289-4297.	1.6	7
132	Sharing of Na ⁺ by Three ⁻ COO ⁻ Groups at Deprotonated Carboxyl-Terminated Self-Assembled Monolayer-Charged Aqueous Interface. <i>Journal of Physical Chemistry C</i> , 2018, 122, 9111-9116.	1.5	3
133	Selective layer-free blood serum ionogram based on ion-specific interactions with a nanotransistor. <i>Nature Materials</i> , 2018, 17, 464-470.	13.3	35
134	A π -turn-off red-emitting fluorophore for nanomolar detection of heparin. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 13263-13270.	1.3	27
135	Quantification of Zeta-Potential and Electrokinetic Surface Charge Density for Colloidal Silica Nanoparticles Dependent on Type and Concentration of the Counterion: Probing the Outer Helmholtz Plane. <i>Journal of Physical Chemistry C</i> , 2018, 122, 4437-4453.	1.5	47
136	Behavior of Weak Polyelectrolyte Brushes in Mixed Salt Solutions. <i>Macromolecules</i> , 2018, 51, 1198-1206.	2.2	25
137	Salting-in of neopentane in the aqueous solutions of urea and glycine-betaine. <i>Molecular Simulation</i> , 2018, 44, 677-687.	0.9	4
138	Solubility-Modifying Power of Zwitterionic Salts. <i>ChemPhysChem</i> , 2018, 19, 575-580.	1.0	3
139	First Macro-Mesocellular Silica SBA-15-Si(HIPE) Monoliths: Conditions for Obtaining Self-Standing Materials. <i>Chemistry of Materials</i> , 2018, 30, 864-873.	3.2	21
140	Ion specific effects on the immobilisation of charged gold nanoparticles on metal surfaces. <i>RSC Advances</i> , 2018, 8, 1717-1724.	1.7	5
141	Water in the human body: An anesthesiologist's perspective on the connection between physicochemical properties of water and physiologic relevance. <i>Annals of Medicine and Surgery</i> , 2018, 26, 1-8.	0.5	13
142	Multiscale and Multifunctional Emulsions by Host-Guest Interaction-Mediated Self-Assembly. <i>ACS Central Science</i> , 2018, 4, 600-605.	5.3	25
143	Solvent effect on FRET spectroscopic ruler. <i>Journal of Chemical Physics</i> , 2018, 148, 123331.	1.2	13
144	Effects of temperature on aggregation kinetics of graphene oxide in aqueous solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 538, 63-72.	2.3	41
145	The effect of cations on reversibility and thermodynamic stability during thermal denaturation of lysozyme. <i>Journal of Chemical Thermodynamics</i> , 2018, 118, 331-337.	1.0	6
146	Chronic kidney disease of unknown etiology and the effect of multiple-ion interactions. <i>Environmental Geochemistry and Health</i> , 2018, 40, 705-719.	1.8	32

#	ARTICLE	IF	CITATIONS
147	Light-Induced Surface Reactions at the Bismuth Vanadate/Potassium Phosphate Interface. <i>Journal of Physical Chemistry B</i> , 2018, 122, 801-809.	1.2	29
148	Injectable methylcellulose hydrogel containing silver oxide nanoparticles for burn wound healing. <i>Carbohydrate Polymers</i> , 2018, 181, 579-586.	5.1	101
149	Lysozyme-surfactant adsorption at the aqueous-air and aqueous-organic liquid interfaces as studied by tritium probe. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 537, 351-360.	2.3	12
150	Amphiphiles without Head-and-Tail Design: Nanostructures Based on the Self-Assembly of Anionic Boron Cluster Compounds. <i>Langmuir</i> , 2018, 34, 3541-3554.	1.6	61
151	Recovery of intracellular ectoine from <i>Halomonas salina</i> cells with poly(propylene) glycol/salt aqueous biphasic system. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 82, 28-32.	2.7	25
152	Synthesis, Characterization, and Applications of Polymer-Silica Core-Shell Microparticle Capsules. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 43068-43079.	4.0	20
153	Heavy Anionic Complex Creates a Unique Water Structure at a Soft Charged Interface. <i>Journal of Physical Chemistry C</i> , 2018, 122, 29228-29236.	1.5	29
154	Competitive Solvation Effects in Polyelectrolyte Solutions. <i>ACS Symposium Series</i> , 2018, , 15-32.	0.5	5
155	Cation-specific interactions of protein surface charges in dilute aqueous salt solutions: a combined study using dielectric relaxation spectroscopy and Raman spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 29306-29313.	1.3	6
156	Properties of Ion Complexes and Their Impact on Charge Transport in Organic Solvent-Based Electrolyte Solutions for Lithium Batteries: Insights from a Theoretical Perspective. <i>Batteries</i> , 2018, 4, 62.	2.1	36
157	Advances of ionic liquids-based methods for protein analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 108, 239-246.	5.8	31
158	Dynamic light scattering studies of the effects of salts on the diffusivity of cationic and anionic cavitands. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 2212-2219.	1.3	8
159	Total Description of Intrinsic Amphiphile Aggregation: Calorimetry Study and Molecular Probing. <i>Langmuir</i> , 2018, 34, 14448-14457.	1.6	13
160	Hofmeister effect on catalytic properties of chymotrypsin is substrate-dependent. <i>Biophysical Chemistry</i> , 2018, 243, 8-16.	1.5	15
161	Specific ion effects on thermoresponsive polymer brushes: Comparison to other architectures. <i>Journal of Colloid and Interface Science</i> , 2018, 526, 429-450.	5.0	33
162	The Influence of Binding Site Geometry on Anion-Binding Selectivity: A Case Study of Macrocyclic Receptors Built on the Azulene Skeleton. <i>Chemistry - A European Journal</i> , 2018, 24, 11683-11692.	1.7	18
163	Dynamics of Ionic Liquid-Assisted Refolding of Denatured Cytochrome <i>c</i> : A Study of Preferential Interactions toward Renaturation. <i>Molecular Pharmaceutics</i> , 2018, 15, 2684-2697.	2.3	25
164	NAP enzyme recruitment in simultaneous bioremediation and nanoparticles synthesis. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2018, 18, e00257.	2.1	5

#	ARTICLE	IF	CITATIONS
165	Salt Modulated Fibrillar Aggregation of the Sweet Protein MNEI in Aqueous Solution. <i>Journal of Solution Chemistry</i> , 2018, 47, 939-949.	0.6	6
166	The history of antivenoms development: Beyond Calmette and Vital Brazil. <i>Toxicon</i> , 2018, 150, 86-95.	0.8	22
167	Aqueous solution interactions with sex hormone-binding globulin and estradiol: a theoretical investigation. <i>Journal of Biological Physics</i> , 2018, 44, 539-556.	0.7	5
168	A Systematic Analysis and Review of the Fundamental Acid-Base Properties of Biosorbents. <i>Environmental Chemistry for A Sustainable World</i> , 2018, , 73-133.	0.3	4
169	X-Ray scattering and physicochemical studies of trialkylamine/carboxylic acid mixtures: nanoscale structure in pseudoprotic ionic liquids and related solutions. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 18639-18646.	1.3	15
170	Colloidal Stability of Lipid/Protein-Coated Nanomaterials in Salt and Sucrose Solutions. <i>ChemistrySelect</i> , 2018, 3, 8325-8331.	0.7	5
171	Volcano Plots Emerge from a Sea of Nonaqueous Solvents: The Law of Matching Water Affinities Extends to All Solvents. <i>ACS Central Science</i> , 2018, 4, 1056-1064.	5.3	48
172	The Influence of Polymer and Ion Solvation on the Conformational Properties of Flexible Polyelectrolytes. <i>Gels</i> , 2018, 4, 20.	2.1	23
173	Polyelectrolyte association and solvation. <i>Journal of Chemical Physics</i> , 2018, 149, 163305.	1.2	39
174	Electrochemical Diagnosis of Chemical Switch: Impact of Structural Changes on Charge Transport Mechanism of Redox Anion Bound Polysilsesquioxane-Film. <i>ChemElectroChem</i> , 2018, 5, 2808-2815.	1.7	2
175	Biocatalytic removal of perchlorate and nitrate in ion-exchange waste brine. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 1181-1189.	1.2	7
176	Interfacial properties of polymeric complex coacervates from simulation and theory. <i>Journal of Chemical Physics</i> , 2018, 149, 163315.	1.2	35
177	Anion Specificity in Dimethyl Sulfoxide-Water Mixtures Exemplified by a Thermosensitive Polymer. <i>Journal of Physical Chemistry B</i> , 2018, 122, 8293-8300.	1.2	8
178	Ion effect on the dynamics of water hydrogen bonding network: A theoretical and computational spectroscopy point of view. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , 2018, 8, e1373.	6.2	11
179	Mixed Micellization of Cationic/Anionic Surfactants: Role of Matching Water Affinities between Oppositely Charged Headgroups and That between Oppositely Charged Constituent Counterions. <i>Journal of Physical Chemistry B</i> , 2019, 123, 8140-8153.	1.2	6
180	Dynamic properties of aqueous electrolyte solutions from non-polarisable, polarisable, and scaled-charge models. <i>Molecular Physics</i> , 2019, 117, 3538-3549.	0.8	30
181	A thermodynamic correction to the theory of competitive chemisorption of ions at surface sites with nonelectrostatic physisorption. <i>Journal of Chemical Physics</i> , 2019, 151, 024701.	1.2	13
182	Molecular gel sorbent materials for environmental remediation and wastewater treatment. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18759-18791.	5.2	102

#	ARTICLE	IF	CITATIONS
183	The Hofmeister series: Specific ion effects in aqueous polymer solutions. <i>Journal of Colloid and Interface Science</i> , 2019, 555, 615-635.	5.0	110
184	Specific Ion Effects on the Enzymatic Degradation of Polymeric Marine Antibiofouling Materials. <i>Langmuir</i> , 2019, 35, 11157-11166.	1.6	10
186	Augmented Reality Based Assembly Guidance for Spacecraft Conductive Network. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 252, 042076.	0.2	1
187	The zeta potentials of g-C ₃ N ₄ nanoparticles: Effect of electrolyte, ionic strength, pH, and humic acid. <i>Journal of Nanoparticle Research</i> , 2019, 21, 1.	0.8	37
188	Multiple-Responsive and Amphibious Hydrogel Actuator Based on Asymmetric UCST-Type Volume Phase Transition. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 43641-43648.	4.0	91
189	The Impact of Salts on the Ice Recrystallization Inhibition Activity of Antifreeze (Glyco)Proteins. <i>Biomolecules</i> , 2019, 9, 347.	1.8	18
190	Ion-Specific Protein/Water Interface Determines the Hofmeister Effect on the Kinetic Stability of Glucose Oxidase. <i>Journal of Physical Chemistry B</i> , 2019, 123, 7965-7973.	1.2	12
191	Highly stretchable and nonvolatile gelatin-supported deep eutectic solvent gel electrolyte-based ionic skins for strain and pressure sensing. <i>Journal of Materials Chemistry C</i> , 2019, 7, 601-608.	2.7	140
192	Energetic parameters of \hat{I}^2 -casein/quercetin activated and thermodynamically stable complex formation accessed by Surface Plasmon Resonance. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 181, 798-805.	2.5	9
193	Dynamic light scattering “an all-purpose guide for the supramolecular chemist. <i>Supramolecular Chemistry</i> , 2019, 31, 608-615.	1.5	11
194	Specific Ion Effects at the Interface of Nanometer-Sized Droplets in Water: Structure and Stability. <i>Journal of Physical Chemistry C</i> , 2019, 123, 16621-16630.	1.5	17
195	Polyelectrolyte vs Polyampholyte Behavior of Composite Chitosan/Gelatin Films. <i>ACS Omega</i> , 2019, 4, 8795-8803.	1.6	10
196	Effect of dispersion forces on the behavior of thermosensitive nanogels: A coarse-grained simulation study. <i>Journal of Molecular Liquids</i> , 2019, 288, 111101.	2.3	3
197	Nuclear magnetic resonance and theoretical simulation study on Cs ion co-adsorbed with other alkali cations on illite. <i>Applied Surface Science</i> , 2019, 489, 766-775.	3.1	9
198	Thermoresponsive Behavior of Poly(acrylic acid- <i>co</i> -acrylonitrile) with a UCST. <i>Macromolecules</i> , 2019, 52, 4441-4446.	2.2	52
199	Enthalpic contributions to solvent-solute and solvent-ion interactions: Electronic perturbation as key to the understanding of molecular attraction. <i>Journal of Chemical Physics</i> , 2019, 150, 174112.	1.2	23
200	Effects of mono- and divalent cations on the structure and thermodynamic properties of polyelectrolyte gels. <i>Soft Matter</i> , 2019, 15, 4153-4161.	1.2	18
201	Effects of electrolyte on the mediated electrocatalytic glucose oxidation reaction catalyzed by flavin adenine dinucleotide glucose dehydrogenase. <i>Electrochimica Acta</i> , 2019, 313, 189-193.	2.6	3

#	ARTICLE	IF	CITATIONS
202	Impact of electroviscous effect on viscosity in developing highly concentrated protein formulations: Lessons from non-protein charged colloids. <i>International Journal of Pharmaceutics</i> : X, 2019, 1, 100002.	1.2	5
203	Predictions of Pair Interaction Potentials between Kraft Lignin Macromolecules in Black Liquors by Utilization of a Modified Poisson-Boltzmann Approach. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 3427-3439.	1.8	3
204	Aqueous Mixtures of Urea and Trimethylamine-N-oxide: Evidence for Kosmotropic or Chaotropic Behavior?. <i>Journal of Physical Chemistry B</i> , 2019, 123, 4415-4424.	1.2	26
205	The proton binding properties of biosorbents. <i>Environmental Chemistry Letters</i> , 2019, 17, 1281-1298.	8.3	6
206	Interfacial Supramolecular Structures of Amphiphilic Receptors Drive Aqueous Phosphate Recognition. <i>Journal of the American Chemical Society</i> , 2019, 141, 7876-7886.	6.6	42
207	Isoelectric Points of Proteins at the Air/Liquid Interface and in Solution. <i>Langmuir</i> , 2019, 35, 5004-5012.	1.6	36
208	A Facet-Specific Quantum Dot Passivation Strategy for Colloid Management and Efficient Infrared Photovoltaics. <i>Advanced Materials</i> , 2019, 31, e1805580.	11.1	87
209	Extraction of Acids and Bases from Aqueous Phase to a Pseudoprotic Ionic Liquid. <i>Molecules</i> , 2019, 24, 894.	1.7	15
210	Unfolding of DNA by co-solutes: insights from Kirkwood-Buff integrals and transfer free energies. <i>European Physical Journal: Special Topics</i> , 2019, 227, 1665-1679.	1.2	18
211	Influence of the Counterion Nature on the Stability Sequence of Hydrophobic Latex Particles. <i>Journal of Physical Chemistry B</i> , 2019, 123, 3859-3865.	1.2	7
212	Anion-Specific Effects on Activity Coefficients in Aqueous Solutions of Sodium Salts: Modeling with the Extended Debye-Hückel Theory. <i>Journal of Solution Chemistry</i> , 2019, 48, 234-247.	0.6	22
213	Thermodynamically Consistent Force Field for Coarse-Grained Modeling of Aqueous Electrolyte Solution. <i>Journal of Physical Chemistry B</i> , 2019, 123, 2424-2431.	1.2	6
214	The Investigation of Protein Diffusion via H-Cell Microfluidics. <i>Biophysical Journal</i> , 2019, 116, 595-609.	0.2	17
215	Prospect for Supramolecular Chemistry in High-Energy-Density Rechargeable Batteries. <i>Joule</i> , 2019, 3, 662-682.	11.7	66
217	A cationic porous organic polymer for high-capacity, fast, and selective capture of anionic pollutants. <i>Journal of Hazardous Materials</i> , 2019, 367, 348-355.	6.5	58
218	Specific Ion Effects on an Oligopeptide: Bidentate Binding Matters for the Guanidinium Cation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 332-337.	7.2	10
219	Spezifische Ionen-Effekte am Beispiel eines Oligopeptids: die Rolle zweizÄhniger Koordination beim Guanidinium-Kation. <i>Angewandte Chemie</i> , 2019, 131, 338-343.	1.6	0
220	A study on the enzyme catalysed enantioselective hydrolysis of methyl 2-methyl-4-oxopentanoate, a precursor of chiral (1^3)-butyrolactones. <i>Biocatalysis and Biotransformation</i> , 2019, 37, 115-123.	1.1	4

#	ARTICLE	IF	CITATIONS
221	Effect of pH and mobile phase additives on the chromatographic behaviour of an amide-embedded stationary phase: Cyanocobalamin and its diamine-monochloro-platinum(II) conjugate as a case study. <i>Journal of Separation Science</i> , 2019, 42, 1155-1162.	1.3	15
222	Rational design of thermoresponsive polymers in aqueous solutions: A thermodynamics map. <i>Progress in Polymer Science</i> , 2019, 90, 269-291.	11.8	153
223	Specific anion effects on the hydration and tribological properties of zwitterionic phosphorylcholine-based brushes. <i>European Polymer Journal</i> , 2019, 112, 222-227.	2.6	21
224	Aqueous biphasic extraction of metal ions: An alternative technology for metal regeneration. <i>Journal of Molecular Liquids</i> , 2019, 273, 231-247.	2.3	50
225	Theory to describe incomplete ion exchange in charged heterogeneous systems. <i>Journal of Soils and Sediments</i> , 2019, 19, 1839-1849.	1.5	3
226	Gelating abilities of metal salts of ricinelaic acid. Structural and rheological considerations. <i>Journal of Physical Organic Chemistry</i> , 2019, 32, e3826.	0.9	5
227	Molecular Thermodynamic Modeling of the Specific Effect of Salt on the Aggregation of Nonionic Surfactants. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 987-992.	1.0	4
228	Dielectric Permittivity Properties of Hydrated Polymers: Measurement and Connection to Ion Transport Properties. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 5205-5217.	1.8	24
229	Experimental and molecular docking studies in understanding the biomolecular interactions between stem bromelain and imidazolium-based ionic liquids. <i>Journal of Molecular Liquids</i> , 2020, 297, 111785.	2.3	13
230	Phosphorus transportation in runoff as influenced by cationic non-classic polarization: a simulation study. <i>Journal of Soils and Sediments</i> , 2020, 20, 308-319.	1.5	2
231	Structure-function dynamics of Γ -chymotrypsin based conjugates as a function of polymer charge. <i>Soft Matter</i> , 2020, 16, 456-465.	1.2	20
232	Silica nanocarriers with user-defined precise diameters by controlled template self-assembly. <i>Journal of Colloid and Interface Science</i> , 2020, 561, 609-619.	5.0	25
233	Coarse-Grained Models of Aqueous Solutions of Polyelectrolytes: Significance of Explicit Charges. <i>Journal of Physical Chemistry B</i> , 2020, 124, 288-301.	1.2	6
234	After DLVO: Hans Lyklema and the keepers of the faith. <i>Advances in Colloid and Interface Science</i> , 2020, 276, 102082.	7.0	13
235	Immobilization of cesium with alkali-activated blast furnace slag. <i>Journal of Hazardous Materials</i> , 2020, 388, 121765.	6.5	41
236	Excited State Dynamics of Isolated 6- and 8-Hydroxyquinoline Molecules. <i>ChemPhysChem</i> , 2020, 21, 2605-2613.	1.0	3
237	Effect of Hofmeister Anions on Interfacial Properties of Mica Surface in Concentrated Aqueous Solution. <i>Coatings</i> , 2020, 10, 872.	1.2	0
238	Artificial neural networks for the prediction of solvation energies based on experimental and computational data. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 24359-24364.	1.3	15

#	ARTICLE	IF	CITATIONS
239	Microsolvation of Sodium Thiocyanate in Water: Gas Phase Anion Photoelectron Spectroscopy and Theoretical Calculations. <i>Journal of Physical Chemistry A</i> , 2020, 124, 7816-7826.	1.1	4
240	A fundamental study of the thermoelectrochemistry of ferricyanide/ferrocyanide: cation, concentration, ratio, and heterogeneous and homogeneous electrocatalysis effects in thermogalvanic cells. <i>Sustainable Energy and Fuels</i> , 2020, 4, 3388-3399.	2.5	43
241	Connecting the Ion Separation Factor to the Sorption and Diffusion Selectivity of Ion Exchange Membranes. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 14189-14206.	1.8	28
242	pH-responsive micellization of an amine oxide surfactant with branched hydrophobic tail. <i>Journal of Molecular Liquids</i> , 2020, 316, 113799.	2.3	11
243	Model for estimating activity coefficients in binary and ternary ionic surfactant solutions. <i>Journal of Atmospheric Chemistry</i> , 2020, 77, 141-168.	1.4	6
244	Leverage Surface Chemistry for High-Performance Triboelectric Nanogenerators. <i>Frontiers in Chemistry</i> , 2020, 8, 577327.	1.8	45
245	Hydrogen Bond Exchange and Ca ²⁺ Binding of Aqueous <i>N</i> -Methylacetamide Revealed by 2DIR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2020, 124, 6947-6954.	1.2	8
246	Specific Buffer Effects on the Intermolecular Interactions among Protein Molecules at Physiological pH. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 6805-6811.	2.1	37
247	Effective synthetic strategy towards highly selective macrocyclic anion receptors based on static combinatorial chemistry. <i>Tetrahedron</i> , 2020, 76, 131693.	1.0	2
248	Enhancing Polyvalent Cation Rejection Using Perfluorophenylazide-Grafted-Copolymer Membrane Coatings. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 42030-42040.	4.0	11
249	Aligned Assembly in a 2-D Gel of a Water-Soluble Peptide. <i>Langmuir</i> , 2020, 36, 11292-11302.	1.6	1
250	Stalin's "black dog": a postmortem diagnosis. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 7701-7708.	1.9	3
251	Theoretical Insights into Specific Ion Effects and Strong-Weak Acid-Base Rules for Ions in Solution: Deriving the Law of Matching Solvent Affinities from First Principles. <i>ChemPhysChem</i> , 2020, 21, 2605-2617.	1.0	29
252	Recent Trends in Processing of Proteins and DNA in Alternative Solvents: A Sustainable Approach. <i>Sustainable Chemistry</i> , 2020, 1, 116-137.	2.2	23
253	The benefit of poor mixing: kinetics of coacervation. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 20643-20657.	1.3	13
254	Supramolecular biosolvents made up of self-assembled rhamnolipids: synthesis and characterization. <i>Green Chemistry</i> , 2020, 22, 6115-6126.	4.6	19
255	Cation Effect of Chloride Salting Agents on Transition Metal Ion Hydration and Solvent Extraction by the Basic Extractant Methyltriethylammonium Chloride. <i>Inorganic Chemistry</i> , 2020, 59, 13442-13452.	1.9	12
256	Use of Ionic Liquids in Protein and DNA Chemistry. <i>Frontiers in Chemistry</i> , 2020, 8, 598662.	1.8	57

#	ARTICLE	IF	CITATIONS
257	Selective Recognition of Chloride by a 24-Membered Macrocyclic Host with a Hydrophobic Methylene-pyrene Substituent. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 4528-4533.	1.2	8
258	Interfacial ion specificity modulates hydrophobic interaction. <i>Journal of Colloid and Interface Science</i> , 2020, 578, 135-145.	5.0	16
259	Primary purification of intracellular Halomonas salina ectoine using ionic liquids-based aqueous biphasic system. <i>Journal of Bioscience and Bioengineering</i> , 2020, 130, 200-204.	1.1	10
260	Specific Ion Effects on the Colloidal Stability of Layered Double Hydroxide Single-layer Nanosheets. <i>Langmuir</i> , 2020, 36, 6557-6568.	1.6	23
261	Evaluation of NaCl and KCl Salting Effects on Technological Properties of Pre- and Post-Rigor Chicken Breasts at Various Ionic Strengths. <i>Foods</i> , 2020, 9, 721.	1.9	5
262	Effects of fixed charge group physicochemistry on anion exchange membrane permselectivity and ion transport. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 7283-7293.	1.3	20
263	Selective Carboxylate Recognition Using Urea-Functionalized Unclosed Cryptands: Mild Synthesis and Complexation Studies. <i>Journal of Organic Chemistry</i> , 2020, 85, 5058-5064.	1.7	9
264	Specific ion effects on the enzymatic activity of alcohol dehydrogenase from <i>Saccharomyces cerevisiae</i> . <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 6749-6754.	1.3	14
265	Separation of cobalt, nickel and copper with task-specific amido functionalized glycine-betaine-based ionic liquids. <i>Separation and Purification Technology</i> , 2020, 244, 116782.	3.9	13
266	Inhibiting Condensation Freezing on Patterned Polyelectrolyte Coatings. <i>ACS Nano</i> , 2020, 14, 5000-5007.	7.3	32
267	How the Influence of Different Salts on Interfacial Properties of Surfactant-Oil-Water Systems at Optimum Formulation Matches the Hofmeister Series Ranking. <i>Journal of Surfactants and Detergents</i> , 2020, 23, 603-615.	1.0	20
268	Equilibrium mono- and multicomponent adsorption models: From homogeneous ideal to heterogeneous non-ideal binding. <i>Advances in Colloid and Interface Science</i> , 2020, 280, 102138.	7.0	42
269	Application of short hydrophobic elastin-like polypeptides for expression and purification of active proteins. <i>3 Biotech</i> , 2020, 10, 156.	1.1	6
270	Counteranions in the Stimulation Solution Alter the Dynamics of Exocytosis Consistent with the Hofmeister Series. <i>Journal of the American Chemical Society</i> , 2020, 142, 12591-12595.	6.6	20
271	Simulations of activities, solubilities, transport properties, and nucleation rates for aqueous electrolyte solutions. <i>Journal of Chemical Physics</i> , 2020, 153, 010903.	1.2	37
272	Effect of Divalent Cations on the Structure and Mechanics of Vimentin Intermediate Filaments. <i>Biophysical Journal</i> , 2020, 119, 55-64.	0.2	19
273	Specific Anion Effects on Lipase Adsorption and Enzymatic Synthesis of Biodiesel in Nonaqueous Media. <i>Langmuir</i> , 2020, 36, 9465-9471.	1.6	10
274	Aggregation behavior of graphitic C ₃ N ₄ nanosheets in aqueous environment: Kinetics and mechanisms. <i>Environmental Pollution</i> , 2020, 263, 114646.	3.7	8

#	ARTICLE	IF	CITATIONS
275	Prevailing mechanisms in pseudo-protic ionic liquid metal extractions. <i>Journal of Molecular Liquids</i> , 2020, 304, 112738.	2.3	9
276	Specific Ion Effects and the Law of Matching Solvent Affinities: A Conceptual Density Functional Theory Approach. <i>Journal of Physical Chemistry B</i> , 2020, 124, 2191-2197.	1.2	19
277	Experimental characterization of polymeric membranes for selective ion transport. <i>Current Opinion in Chemical Engineering</i> , 2020, 28, 36-42.	3.8	22
278	Recent progress in the science of complex coacervation. <i>Soft Matter</i> , 2020, 16, 2885-2914.	1.2	350
279	Exploring ion-ion preferences through structure-property correlations: amino acid-derived, bis(guanidinium) disiloxane salts. <i>Scientific Reports</i> , 2020, 10, 646.	1.6	2
280	Influence of halide ions on the structure and properties of copper indium sulphide quantum dots. <i>Chemical Communications</i> , 2020, 56, 3341-3344.	2.2	6
281	Tunable Surface Wrinkling by a Bio-Inspired Polyamine Anion Coacervation Process that Mediates the Assembly of Polyoxometalate Nanoclusters. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8160-8165.	7.2	9
282	Tunable Surface Wrinkling by a Bio-Inspired Polyamine Anion Coacervation Process that Mediates the Assembly of Polyoxometalate Nanoclusters. <i>Angewandte Chemie</i> , 2020, 132, 8237-8242.	1.6	1
283	Recent Research Progress in Surface Ligand Exchange of PbS Quantum Dots for Solar Cell Application. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 975.	1.3	20
284	Validation of specific cation partitioning to molecular surfaces using fluorescent carbon quantum dots. <i>Journal of Molecular Liquids</i> , 2020, 309, 113086.	2.3	3
285	FTIR Spectroscopy Study of the Secondary Structure Changes in Human Serum Albumin and Trypsin under Neutral Salts. <i>Biomolecules</i> , 2020, 10, 606.	1.8	34
286	Theoretical and Computational Insight into Solvent and Specific Ion Effects for Polyelectrolytes: The Importance of Local Molecular Interactions. <i>Molecules</i> , 2020, 25, 1661.	1.7	34
287	Unraveling Chiral Selection in the Self-assembly of Chiral Fullerene Macroions: Effects of Small Chiral Components Including Counterions, Co-ions, or Neutral Molecules. <i>Langmuir</i> , 2020, 36, 4702-4710.	1.6	5
288	Ionic effects on synthetic polymers: from solutions to brushes and gels. <i>Soft Matter</i> , 2020, 16, 4087-4104.	1.2	22
289	Poly(N,N-bis(2-methoxyethyl)acrylamide), a thermoresponsive non-ionic polymer combining the amide and the ethyleneglycolether motifs. <i>Colloid and Polymer Science</i> , 2021, 299, 205-219.	1.0	8
290	Facile synthesis of nanogels modified Fe ₃ O ₄ @Ag NPs for the efficient adsorption of bovine & human serum albumin. <i>Materials Science and Engineering C</i> , 2021, 118, 111390.	3.8	7
291	Influence of polycation/cation competition on the aggregation threshold of magnetic nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 612, 125876.	2.3	3
292	Ion type and valency differentially drive vimentin tetramers into intermediate filaments or higher order assemblies. <i>Soft Matter</i> , 2021, 17, 870-878.	1.2	8

#	ARTICLE	IF	CITATIONS
293	A coarse-grained xDLVO model for colloidal protein-protein interactions. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 12780-12794.	1.3	9
294	Anion binding to ubiquitin and its relevance to the Hofmeister effects. <i>Chemical Science</i> , 2021, 12, 320-330.	3.7	15
295	Solvation-Driven Electrochemical Actuation. <i>Physical Review Letters</i> , 2021, 126, 046001.	2.9	9
296	How and why we happen to use three phase partitioning in areas other than protein purification. , 2021, , 9-22.		2
297	Composition dependent density of ternary aqueous solutions of ionic surfactants and salts. <i>Journal of Atmospheric Chemistry</i> , 2021, 78, 99-123.	1.4	4
298	Influence of adsorption of ionic liquid constituents on the stability of layered double hydroxide colloids. <i>Soft Matter</i> , 2021, 17, 9116-9124.	1.2	8
299	Thermodiffusion of aqueous solutions of various potassium salts. <i>Journal of Chemical Physics</i> , 2021, 154, 084506.	1.2	12
300	Improved glucose oxidation catalytic current generation by an FAD-dependent glucose dehydrogenase-modified hydrogel electrode, in accordance with the Hofmeister effect. <i>JPhys Energy</i> , 2021, 3, 024005.	2.3	2
301	Effect of Buffer on Protein Stability in Aqueous Solutions: A Simple Protein Aggregation Model. <i>Journal of Physical Chemistry B</i> , 2021, 125, 2504-2512.	1.2	42
302	Multiresponsive Cellulose Nanocrystal Cross-Linked Copolymer Hydrogels for the Controlled Release of Dyes and Drugs. <i>Polymers</i> , 2021, 13, 1219.	2.0	4
303	From Enzyme Stability to Enzymatic Bioelectrode Stabilization Processes. <i>Catalysts</i> , 2021, 11, 497.	1.6	25
304	Structures of $(\text{NaSCN})_2(\text{H}_2\text{O})_n/\text{O}$ ($n = 0-7$) and solvation induced ion pair separation: Gas phase anion photoelectron spectroscopy and theoretical calculations. <i>Journal of Chemical Physics</i> , 2021, 154, 204301.	1.2	1
305	Template synthesis and gas adsorption properties of ordered mesoporous aluminosilicates. <i>Applied Nanoscience (Switzerland)</i> , 2021, 11, 1903-1915.	1.6	8
306	Switchable Self-Assembly of Elastin- and Resilin-Based Block Copolypeptides with Converse Phase Transition Behaviors. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 24385-24400.	4.0	16
307	Isomer-Specific Vibrational Spectroscopy of Microhydrated Lithium Dichloride Anions: Spectral Fingerprint of Solvent-Shared Ion Pairs. <i>ChemPhysChem</i> , 2021, 22, 1036-1041.	1.0	4
308	Understanding supercooling mechanism in sodium sulfate decahydrate phase-change material. <i>Journal of Applied Physics</i> , 2021, 129, .	1.1	15
309	Correlations between the Type of Aggregates in the Bulk Phase and the Functionality and Safety of All-Purpose Cleaners. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6592.	1.8	1
310	A comprehensive study on the performance of different retention mechanisms in sport drug testing by liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1178, 122821.	1.2	7

#	ARTICLE	IF	CITATIONS
311	Multiscale Water Dynamics on Protein Surfaces: Protein-Specific Response to Surface Ions. <i>Journal of Physical Chemistry B</i> , 2021, 125, 8673-8681.	1.2	9
312	Predicting Destabilization in Salt-Containing Aqueous Reverse Micellar Colloidal Systems. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 2223-2232.	1.2	4
313	The Anion Binding Affinity Determines the Strength of Anion Specificities of Thermosensitive Polymers. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2021, 39, 1351-1356.	2.0	3
314	Melatonin: Regulation of Biomolecular Condensates in Neurodegenerative Disorders. <i>Antioxidants</i> , 2021, 10, 1483.	2.2	22
315	Assembling and Testing a Series of Ion-Selective Electrodes in Analytical Chemistry. <i>Journal of Chemical Education</i> , 2021, 98, 3312-3318.	1.1	2
316	The binding interaction of protein on a charged surface using Poisson-Boltzmann equation: lysozyme adsorption onto SBA-15. <i>Adsorption</i> , 2021, 27, 1137-1148.	1.4	4
317	Conformation of poly(ethylene glycol) in aqueous cholinium amino acid hybrid solvents. <i>Journal of Colloid and Interface Science</i> , 2021, 602, 334-343.	5.0	4
318	Effects of some ion-specific properties in the electrocoagulation process with aluminum electrodes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 629, 127507.	2.3	10
319	Ionic liquids for regulating biocatalytic process: Achievements and perspectives. <i>Biotechnology Advances</i> , 2021, 51, 107702.	6.0	42
320	Organisation of clay nanoplatelets in a polyelectrolyte-based hydrogel. <i>Journal of Colloid and Interface Science</i> , 2021, 604, 358-367.	5.0	9
321	Janus effects of NaCl on structure of egg yolk granules. <i>Food Chemistry</i> , 2022, 371, 131077.	4.2	12
322	Structural and dynamic properties of some aqueous salt solutions. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 15224-15235.	1.3	8
323	Ionic additive strategy to control nucleation and generate larger single crystals of 3D covalent organic frameworks. <i>Chemical Communications</i> , 2021, 57, 6656-6659.	2.2	9
324	Relationship between liquid nanoscale structure in solvents and the strength of the Hofmeister effect in extraction experiments. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 6266-6277.	1.3	3
325	Cation enrichment in the ion atmosphere is promoted by local hydration of DNA. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 23203-23213.	1.3	10
326	Structure and dynamics of ions in dipolar solvents: a coarse-grained simulation study. <i>Soft Matter</i> , 2021, 17, 6305-6314.	1.2	17
327	Proteins in Ionic Liquids: Current Status of Experiments and Simulations. , 2017, 375, 1.		1
328	Assessing the Effect of Hofmeister Anions on the Hydrogen-Bonding Strength of Water via Nitrile Stretching Frequency Shift. <i>Journal of Physical Chemistry B</i> , 2020, 124, 11783-11792.	1.2	7

#	ARTICLE	IF	CITATIONS
329	Salting Up and Salting Down of Bovine Serum Albumin Layers at the Air/Water Interface. <i>Langmuir</i> , 2020, 36, 15240-15246.	1.6	9
332	Origin of Hofmeister Effects for Complex Systems. <i>PLoS ONE</i> , 2015, 10, e0128602.	1.1	15
333	Counterion Binding in Aqueous Solutions of Poly(vinylpyridines) as Assessed by Potentiometric Titration. <i>Advances in Materials Physics and Chemistry</i> , 2016, 06, 249-261.	0.3	12
334	The electrostatic origins of specific ion effects: quantifying the Hofmeister series for anions. <i>Chemical Science</i> , 2021, 12, 15007-15015.	3.7	44
335	Hydration of Simple Biological Molecules and Ions. <i>Soft and Biological Matter</i> , 2021, , 233-275.	0.3	0
336	Hofmeister effects on protein stability are dependent on the nature of the unfolded state. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 25210-25225.	1.3	2
337	Influence of Divalent Metal Ions on the Precipitation of the Plasma Protein Fibrinogen. <i>Biomacromolecules</i> , 2021, 22, 4642-4658.	2.6	6
338	Protein aggregation and crystallization with ionic liquids: Insights into the influence of solvent properties. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 1173-1190.	5.0	18
339	A simple theory for molecular chemotaxis driven by specific binding interactions. <i>Journal of Chemical Physics</i> , 2021, 155, 164902.	1.2	4
340	AUC in the High Concentration of Salts/Cosolvent. , 2016, , 355-373.		0
341	Charge Carriers Within the Atomic-Molecular Theory. , 2017, , 27-38.		0
342	Influence of Indifferent Electrolytes on Formation of Coagulative Structures in Aqueous Silica Dispersions. <i>French-Ukrainian Journal of Chemistry</i> , 2017, 5, 40-48.	0.1	1
344	The ability of salts to stabilize proteins or intracellularly correlates with the Hofmeister series of ions. <i>International Journal of Biochemistry and Molecular Biology</i> , 2019, 10, 23-31.	0.1	2
345	Role of Water in the Lyotropic Liquid Crystalline Mesophase of Lithium Salts and Non-ionic Surfactants. <i>Langmuir</i> , 2021, 37, 14443-14453.	1.6	7
346	Enhanced activity and stability of protein-glutaminase by Hofmeister effects. <i>Molecular Catalysis</i> , 2022, 517, 112054.	1.0	5
347	Enhanced interfacial salt effect on extraction and separation of Er(III) from Mg(II), Al(III), Fe(III) sulfate aqueous solutions using bubble-supported organic liquid membrane. <i>Separation and Purification Technology</i> , 2022, 285, 120344.	3.9	10
348	Seeking Solvation: Exploring the Role of Protein Hydration in Silk Gelation. <i>Molecules</i> , 2022, 27, 551.	1.7	6
349	Revisiting the Theory of Coagulation of Colloidal Dispersions: An Improved Expression for the Stability Ratio. <i>Langmuir</i> , 2022, 38, 1131-1140.	1.6	2

#	ARTICLE	IF	CITATIONS
350	Structures of cationic and anionic polyelectrolytes in aqueous solutions: the sign effect. <i>Soft Matter</i> , 2022, 18, 1603-1616.	1.2	13
351	Towards understanding specific ion effects in aqueous media using thermodiffusion. <i>European Physical Journal E</i> , 2022, 45, 10.	0.7	5
352	Predicting the Solubility of Inorganic Ion Pairs in Water. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	1
353	Influence of the Dissolved Gas on the Interfacial Properties of Decane Surface Nanodroplets. <i>Langmuir</i> , 2022, 38, 2213-2219.	1.6	4
354	Predicting solubility of ion pairs in aqueous inorganic chemistry. <i>Angewandte Chemie - International Edition</i> , 2022, , .	7.2	5
355	On soft-oxometalates (SOMs) and crystallization of polyoxometalates (POMs). <i>Journal of the Indian Chemical Society</i> , 2022, 99, 100385.	1.3	2
356	Computational and Experimental Study of Different Brines in Temperature Swing Solvent Extraction Desalination with Amine Solvents. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
357	Ultrasensitive dual-mode visualization of perchlorate in water, soil and air boosted by close and stable Pt@Pt packing endowed low-energy absorption and emission. <i>Journal of Materials Chemistry A</i> , 2022, 10, 8195-8207.	5.2	19
358	Frustrated Coulombic and Cation Size Effects on Nanoscale Boehmite Aggregation: A Tumbler Small- and Ultra-Small-Angle Neutron Scattering Study. <i>Journal of Physical Chemistry C</i> , 2022, 126, 4391-4414.	1.5	4
359	Cubosomic Supramolecular Solvents: Synthesis, Characterization, and Potential for High-Throughput Multiclass Testing of Banned Substances in Urine. <i>Analytical Chemistry</i> , 2022, 94, 4103-4111.	3.2	7
360	Anionic Species Regulate Chemical Storage in Nanometer Vesicles and Amperometrically Detected Exocytotic Dynamics. <i>Journal of the American Chemical Society</i> , 2022, 144, 4310-4314.	6.6	19
361	The FUSION protein crystallization screen. <i>Journal of Applied Crystallography</i> , 2022, 55, 310-319.	1.9	2
362	Switchable DNA-Based Peroxidases Controlled by a Chaotropic Ion**. <i>ChemBioChem</i> , 2022, 23, .	1.3	5
363	Salting-Out of DNA Origami Nanostructures by Ammonium Sulfate. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2817.	1.8	8
364	Quantitative extraction of multiclass antibiotic residues in cow milk utilizing salting-out assisted liquid-liquid extraction followed by liquid chromatographic determination. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-19.	1.8	2
365	Effect of counter-ion on rheological properties of mixed surfactant solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 643, 128746.	2.3	6
366	Stability mechanisms for microwave-produced solid lipid nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 643, 128774.	2.3	9
367	Specific Ion Effects in Different Media: Current Status and Future Challenges. <i>Journal of Physical Chemistry B</i> , 2021, 125, 13840-13849.	1.2	15

#	ARTICLE	IF	CITATIONS
368	Understanding specific ion effects and the Hofmeister series. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 12682-12718.	1.3	101
369	The Ionic Composition and Chemistry of Nanopore-Confined Solutions. <i>ACS Nano</i> , 2022, 16, 8338-8346.	7.3	4
370	Control of carbon monoxide dehydrogenase orientation by site-specific immobilization enables direct electrical contact between enzyme cofactor and solid surface. <i>Communications Biology</i> , 2022, 5, 390.	2.0	6
371	Specific anion effect on properties of HRV 3C protease. <i>Biophysical Chemistry</i> , 2022, 287, 106825.	1.5	3
372	The impact of steric repulsion on the total free energy of electric double layer capacitors. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 648, 129134.	2.3	1
373	Specific electrolyte effects on hemoglobin in denaturing medium investigated through electro spray ionization mass spectrometry. <i>Journal of Inorganic Biochemistry</i> , 2022, 234, 111872.	1.5	2
374	Mediating anion-cation interactions to improve aqueous flow battery electrolytes. <i>Applied Materials Today</i> , 2022, 28, 101512.	2.3	6
375	Computational and experimental study of different brines in temperature swing solvent extraction desalination with amine solvents. <i>Desalination</i> , 2022, 537, 115863.	4.0	12
376	Local stress within a granular molecular solvent matrix, a mechanism for individual ion hydration. <i>Journal of Molecular Liquids</i> , 2022, 361, 119544.	2.3	5
378	Specific Counterion Effects on the Swelling Behavior of Strong Polyelectrolyte Brushes. <i>Macromolecules</i> , 2022, 55, 5123-5130.	2.2	5
379	Physical insight into the entropy-driven ion association. <i>Journal of Computational Chemistry</i> , 0, , .	1.5	1
380	Interfacial layers between ion and water detected by terahertz spectroscopy. <i>Journal of Chemical Physics</i> , 2022, 157, .	1.2	4
381	A new fibrillization mechanism of β -lactoglobulin in glycine solutions. <i>International Journal of Biological Macromolecules</i> , 2022, 216, 414-425.	3.6	3
382	BSA fragmentation specifically induced by added electrolytes: An electrospray ionization mass spectrometry investigation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 218, 112726.	2.5	3
383	Specific anion effects on the interfacial properties and aggregation of alkylphenol ethoxylate surfactants. <i>Journal of Molecular Liquids</i> , 2022, 363, 119899.	2.3	2
384	Effect of Divalent and Monovalent Salts on Interfacial Dilational Rheology of Sodium Dodecylbenzene Sulfonate Solutions. <i>Colloids and Interfaces</i> , 2022, 6, 41.	0.9	7
385	Effect of Salt Form on Gelation and Drug Delivery Properties of Diclofenac-Loaded Poloxamer Gels for Delivery to Impaired Skin. <i>Pharmaceutical Research</i> , 2022, 39, 2515-2527.	1.7	5
386	Low-cost water-in-salt electrolytes for electrochemical energy storage applications: a short review. <i>Ecletica Quimica</i> , 2022, 47, 18-29.	0.2	0

#	ARTICLE	IF	CITATIONS
387	An update on synthesis, properties, applications and toxicity of the ILs. <i>Journal of Molecular Liquids</i> , 2022, 364, 119989.	2.3	9
388	Arrangement of Hydrogen Bonds in Aqueous Solutions of Different Globular Proteins. <i>International Journal of Molecular Sciences</i> , 2022, 23, 11381.	1.8	1
389	Hydrogen-Bonding-Induced Clusteroluminescence and UCST-Type Thermoresponsiveness of Nonconjugated Copolymers. <i>Macromolecules</i> , 2022, 55, 8599-8608.	2.2	17
390	The influence of pH and monovalent/divalent cations on the structural and physicochemical properties of myofibrillar protein from silver carp. <i>Food Chemistry</i> , 2023, 404, 134519.	4.2	9
391	Ion influence on surface water dynamics and proton exchange at protein surfaces – A unified model for transverse and longitudinal NMR relaxation dispersion. <i>Journal of Molecular Liquids</i> , 2022, 367, 120451.	2.3	1
392	Application of Fundamental Chemical Principles for Solvation Effects: A Unified Perspective for Interaction Patterns in Solution. <i>Journal of Physical Chemistry B</i> , 2022, 126, 8864-8872.	1.2	2
393	Advancement of Electrochemical Thermoelectric Conversion with Molecular Technology. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	1
394	Advancement of Electrochemical Thermoelectric Conversion with Molecular Technology. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	16
395	Phase Behavior of Ion-Containing Polymers in Polar Solvents: Predictions from a Liquid-State Theory with Local Short-Range Interactions. <i>Polymers</i> , 2022, 14, 4421.	2.0	0
396	Tailoring the self-assembly of lipid-based lyotropic liquid crystalline mesophases with biocompatible ionic liquid aqueous solutions. <i>Materials Today Chemistry</i> , 2022, 26, 101221.	1.7	2
397	The melting curves of calf thymus-DNA are buffer specific. <i>Journal of Colloid and Interface Science</i> , 2023, 630, 193-201.	5.0	3
398	Effect of electrolytes on the sol-gel phase transitions in a Pluronic F127/carboxymethyl cellulose aqueous system: Phase map, rheology and NMR self-diffusion study. <i>European Polymer Journal</i> , 2022, 181, 111707.	2.6	3
399	Contaminations impairing an acetic acid biorefinery: Liquid-liquid extraction of lipophilic wood extractives with fully recyclable extractants. <i>Separation and Purification Technology</i> , 2023, 308, 122869.	3.9	3
400	Current insights into protein solubility: A review of its importance for alternative proteins. <i>Food Hydrocolloids</i> , 2023, 137, 108416.	5.6	26
401	Computer simulation of molecular recognition in biomolecular system: from in silico screening to generalized ensembles. <i>Biophysical Reviews</i> , 2022, 14, 1423-1447.	1.5	9
402	Analytical Workflows to Unlock Predictive Power in Biotherapeutic Developability. <i>Pharmaceutical Research</i> , 0, , .	1.7	0
403	The Lyotropic Nature of Halates: An Experimental Study. <i>Molecules</i> , 2022, 27, 8519.	1.7	2
405	pH-Switchable Phase-Transfer Agents for Host Cell Protein Rejection in the Cascaded Biocatalytic Synthesis of an Active Pharmaceutical Ingredient. <i>Organic Process Research and Development</i> , 2023, 27, 179-188.	1.3	2

#	ARTICLE	IF	CITATIONS
406	Ion-specific binding of cations to the carboxylate and of anions to the amide of alanylalanine. <i>Communications Chemistry</i> , 2022, 5, .	2.0	4
407	Dynamics of Aqueous Electrolyte Solutions: Challenges for Simulations. <i>Journal of Physical Chemistry B</i> , 2023, 127, 430-437.	1.2	8
408	Tuning Structure and Rheological Properties of Polyelectrolyte-Based Hydrogels through Counterion-Specific Effects. <i>Macromolecules</i> , 2023, 56, 923-933.	2.2	0
409	Ion-Specific Antipolyelectrolyte Effect on the Swelling Behavior of Polyzwitterionic Layers. <i>Langmuir</i> , 2023, 39, 1456-1464.	1.6	4
410	Addressing Specific (Poly)ion Effects for Layer-by-Layer Membranes. <i>ACS Applied Polymer Materials</i> , 2023, 5, 2032-2042.	2.0	3
411	Bilayer bamboo for photothermal trap and large-scale anti-icing. <i>Industrial Crops and Products</i> , 2023, 194, 116290.	2.5	3
412	Kosmotropes and chaotropes: Specific ion effects to tailor layer-by-layer membrane characteristics and performances. <i>Journal of Membrane Science</i> , 2023, 672, 121446.	4.1	6
413	Agarose native gel electrophoresis analysis of thermal aggregation controlled by Hofmeister series. <i>Biophysical Chemistry</i> , 2023, 296, 106977.	1.5	3
414	Protic amine/acid mixtures as solvents for the extraction of aqueous zinc salts: A mechanistic study. <i>Journal of Molecular Liquids</i> , 2023, 380, 121662.	2.3	2
415	Enhanced solubilization in multi-component mixtures: Mechanism of synergistic amplification of cyclodextrin solubility by urea and inorganic salts. <i>Journal of Molecular Liquids</i> , 2023, 380, 121760.	2.3	1
416	Specific ion effects on the aggregation of polysaccharide-based polyelectrolyte complex particles induced by monovalent ions within Hofmeister series. <i>Journal of Colloid and Interface Science</i> , 2023, 643, 305-317.	5.0	1
417	Cation and buffer specific effects on the DNA-lipid interaction. <i>Colloids and Surfaces B: Biointerfaces</i> , 2023, 223, 113187.	2.5	2
418	Effect of Counterion-Mediated Hydrogen Bonding on Polyelectrolytes at the Solid/Water Interface: Current Understanding and Perspectives. <i>Langmuir</i> , 2023, 39, 2881-2889.	1.6	0
419	Impact of KCl and ultrasound on the structural properties of myofibrillar proteins in low sodium semi-dried large yellow croaker (<i>Pseudosciaena crocea</i>). <i>LWT - Food Science and Technology</i> , 2023, 178, 114604.	2.5	9
420	Physiological Buffer Effects in Drug Supersaturation - A Mechanistic Study of Hydroxypropyl Cellulose as Precipitation Inhibitor. <i>Journal of Pharmaceutical Sciences</i> , 2023, , .	1.6	1
421	Cooperative Proton and Li ⁺ Ion Conduction in a 2D Layered MOF via Mechanical Insertion of Lithium Halides. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	5
422	Cooperative Proton and Li ⁺ Ion Conduction in a 2D Layered MOF via Mechanical Insertion of Lithium Halides. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	0
423	Rhamnolipid Self-Aggregation in Aqueous Media: A Long Journey toward the Definition of Structure-Property Relationships. <i>International Journal of Molecular Sciences</i> , 2023, 24, 5395.	1.8	12

#	ARTICLE	IF	CITATIONS
424	Quantitative Solvation Energies from Gas-Phase Calculations: First-Principles Charge Transfer and Perturbation Approaches. <i>Journal of Physical Chemistry B</i> , 2023, 127, 2546-2551.	1.2	7
425	Light, Water, and Melatonin: The Synergistic Regulation of Phase Separation in Dementia. <i>International Journal of Molecular Sciences</i> , 2023, 24, 5835.	1.8	4
426	Polyacrylamide-Based Block Copolymer Bearing Pyridine Groups Shows Unexpected Salt-Induced LCST Behavior. <i>Molecules</i> , 2023, 28, 2921.	1.7	0