

Richard Buchner

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

186
papers

9,862
citations

55
h-index

93
g-index

198
ext. papers

10,678
ext. citations

4.2
avg. IF

6.35
L-index

#	Paper	IF	Citations
186	Hydration and counterion binding of aqueous acetylcholine chloride and carbamoylcholine chloride. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 25086-25096	3.6	0
185	Cooperative dynamics and speciation in deep eutectic solvent + DMSO mixtures. <i>Journal of Molecular Liquids</i> , 2021 , 331, 115790	6	2
184	Hydration and dynamics of L-glutamate ion in aqueous solution. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 1590-1600	3.6	4
183	A Comprehensive Study of Density, Viscosity, and Electrical Conductivity of (Choline Chloride + Glycerol) Deep Eutectic Solvent and Its Mixtures with Dimethyl Sulfoxide. <i>Journal of Chemical & Engineering Data</i> , 2021 , 66, 780-792	2.8	11
182	Hydration and aggregation in aqueous xylitol solutions in the wide temperature range. <i>Journal of Molecular Liquids</i> , 2021 , 340, 116838	6	1
181	Variation of Density, Viscosity, and Electrical Conductivity of the Deep Eutectic Solvent Reline, Composed of Choline Chloride and Urea at a Molar Ratio of 1:2, Mixed with Dimethylsulfoxide as a Cosolvent. <i>Journal of Chemical & Engineering Data</i> , 2020 , 65, 1900-1910	2.8	15
180	Interplay between aggregation number, micelle charge and hydration of cationic surfactants. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 9998-10009	3.6	4
179	Dielectric relaxation spectroscopy: an old-but-new technique for the investigation of electrolyte solutions. <i>Pure and Applied Chemistry</i> , 2020 , 92, 1595-1609	2.1	7
178	Microscopic insights into the phase transition of poly(N-isopropylacrylamide) in aqueous media: Effects of molecular weight and polymer concentration. <i>Journal of Molecular Liquids</i> , 2020 , 302, 112025	6	6
177	Equilibria and Dynamics of Sodium Citrate Aqueous Solutions: The Hydration of Citrate and Formation of the NaCit Ion Aggregate. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 9604-9614	3.4	1
176	Effect of Brønsted Acidity on Ion Conduction in Fluorinated Acetic Acid and -Methylimidazole Equimolar Mixtures as Pseudo-protic Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 11157-11164	3.4	2
175	Dielectric relaxation of deep eutectic solvent + water mixtures: structural implications and application to microwave heating. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 20466-20476	3.6	9
174	Densities, Viscosities, and Electrical Conductivities of Pure Anhydrous Reline and Its Mixtures with Water in the Temperature Range (293.15 to 338.15) K. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 4763-4774	2.8	47
173	Hydration and ion association of aqueous choline chloride and chlorocholine chloride. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 10970-10980	3.6	16
172	Hydration and Counterion Binding of an Aminomethylated Resorcin[4]arene. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 1840-1846	3.4	3
171	Temperature effect on the solvation of two ionic resorcin[4]arenes from volumetric and acoustic properties in polar media. <i>Journal of Molecular Liquids</i> , 2019 , 291, 111233	6	0
170	Possible Proton Conduction Mechanism in Pseudo-Protic Ionic Liquids: A Concept of Specific Proton Conduction. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 6244-6252	3.4	24

169	Insight into the Hydration of Cationic Surfactants: A Thermodynamic and Dielectric Study of Functionalized Quaternary Ammonium Chlorides. <i>Langmuir</i> , 2019 , 35, 3759-3772	4	13
168	Systematic Variations of Ion Hydration in Aqueous Alkali Metal Fluoride Solutions. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 10868-10876	3.4	6
167	Dynamic Chelate Effect on the Li ⁺ -Ion Conduction in Solvate Ionic Liquids. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 30228-30233	3.8	5
166	Structure, molecular dynamics, and interactions in aqueous xylitol solutions. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 24061-24069	3.6	4
165	Cation Hydration and Ion Pairing in Aqueous Solutions of MgCl and CaCl. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 891-900	3.4	34
164	Dielectric properties and kinetic analysis of nonisothermal decomposition of ionic liquids derived from organic acid. <i>Thermochimica Acta</i> , 2019 , 672, 43-52	2.9	5
163	Hydration and ion association of La and Eu salts in aqueous solution. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 8812-8821	3.6	14
162	Dielectric response and transport properties of alkylammonium formate ionic liquids. <i>Journal of Chemical Physics</i> , 2018 , 148, 193836	3.9	16
161	Water-separated ion pairs cause the slow dielectric mode of magnesium sulfate solutions. <i>Journal of Chemical Physics</i> , 2018 , 148, 222812	3.9	10
160	The Interplay of Methyl-Group Distribution and Hydration Pattern of Isomeric Amphiphilic Osmolytes. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 5972-5983	3.4	9
159	Specific Ion Effects on Zwitterionic Micelles Are Independent of Interfacial Hydration Changes. <i>Langmuir</i> , 2018 , 34, 11049-11057	4	7
158	Microglobule formation and a microscopic order parameter monitoring the phase transition of aqueous poly(N-isopropylacrylamide) solution. <i>Physical Review Materials</i> , 2018 , 2,	3.2	11
157	Ion fluctuations and intermembrane interactions in the aqueous dispersions of a dialkylchain cationic surfactant studied using dielectric relaxation spectroscopy and small- and wide-angle X-ray scattering. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 26621-26633	3.6	2
156	Densities, Refractive Indices, Viscosities, and Conductivities of Non-Imidazolium Ionic Liquids [Et3S][TFSI], [Et2MeS][TFSI], [BuPy][TFSI], [N8881][TFA], and [P14][DCA]. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 2549-2561	2.8	17
155	The effect of alkyl-chain branching on the hydration and ion association of tetrabutylammonium cations. <i>Journal of Molecular Liquids</i> , 2017 , 248, 586-594	6	4
154	Evidence for cooperative Na and Cl binding by strongly hydrated L-proline. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 20474-20483	3.6	15
153	Hydration and Counterion Binding of [CMIM] Micelles. <i>Langmuir</i> , 2017 , 33, 9844-9856	4	18
152	Density, viscosity, and conductivity of choline chloride + ethylene glycol as a deep eutectic solvent and its binary mixtures with dimethyl sulfoxide. <i>Journal of Molecular Liquids</i> , 2017 , 225, 689-695	6	112

151	Dielectric relaxation of nitromethane and its mixtures with ethylammonium nitrate: Evidence for strong ion association induced by hydrogen bonding. <i>Journal of Molecular Liquids</i> , 2017 , 228, 81-90	6	8
150	Hydration and self-aggregation of a neutral cosolute from dielectric relaxation spectroscopy and MD simulations: the case of 1,3-dimethylurea. <i>Physical Chemistry Chemical Physics</i> , 2016 , 19, 219-230	3.6	16
149	Urea hydration from dielectric relaxation spectroscopy: old findings confirmed, new insights gained. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 2597-607	3.6	24
148	Femto- to Nanosecond Dynamics in Ionic Liquids: From Single Molecules to Collective Motions. <i>Advances in Dielectrics</i> , 2016 , 53-71	0.6	2
147	Densities, Viscosities, and Conductivities of the Imidazolium Ionic Liquids [Emim][Ac], [Emim][FAP], [Bmim][BETI], [Bmim][FSI], [Hmim][TFSI], and [Omim][TFSI]. <i>Journal of Chemical & Engineering Data</i> , 2015 , 60, 2400-2411	2.8	99
146	Partial molar volume and isentropic compressibility of symmetrical and asymmetrical quaternary ammonium bromides in aqueous solution. <i>Journal of Chemical Thermodynamics</i> , 2015 , 87, 103-109	2.9	8
145	Ion hydration and association in aqueous potassium phosphate solutions. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 5270-81	3.4	55
144	Ultra-Broadband Dielectric and Optical Kerr-Effect Study of the Ionic Liquids Ethyl and Propylammonium Nitrate. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 8826-41	3.4	41
143	Hydration and Ion Binding of the Osmolyte Ectoine. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 15203-113.4	3.4	52
142	Ionische Flüssigkeiten: nicht nur strukturell, sondern auch dynamisch heterogen. <i>Angewandte Chemie</i> , 2015 , 127, 697-700	3.6	4
141	Dielectric response and collective dynamics of acetonitrile. <i>Journal of Molecular Liquids</i> , 2015 , 212, 963-968	3.6	31
140	Sodium triflate decreases interaggregate repulsion and induces phase separation in cationic micelles. <i>Langmuir</i> , 2015 , 31, 2609-14	4	12
139	Ionic liquids: not only structurally but also dynamically heterogeneous. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 687-90	16.4	30
138	Ion association of imidazolium ionic liquids in acetonitrile. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 1426-35	3.4	42
137	Translational diffusion in mixtures of imidazolium ILs with polar aprotic molecular solvents. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 5509-17	3.4	32
136	Apparent molal volumes of symmetrical and asymmetrical isomers of tetrabutylammonium bromide in water at several temperatures. <i>Journal of Chemical Thermodynamics</i> , 2014 , 68, 117-121	2.9	6
135	Dynamics of RTILs: A comparative dielectric and OKE study. <i>Journal of Molecular Liquids</i> , 2014 , 192, 19-25	3.6	61
134	Hydration of Sodium Alginate in Aqueous Solution. <i>Macromolecules</i> , 2014 , 47, 771-776	5.5	33

133	Is surface layering of aqueous alkali halides determined by ion pairing in the bulk solution?. <i>Journal of Chemical Physics</i> , 2014 , 141, 18C509	3.9	15
132	Dielectric relaxation spectroscopy shows a sparingly hydrated interface and low counterion mobility in triflate micelles. <i>Langmuir</i> , 2013 , 29, 10037-46	4	16
131	Do H-bonds explain strong ion aggregation in ethylammonium nitrate + acetonitrile mixtures?. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 18445-52	3.6	14
130	Solvation and association of 3:1 electrolytes in N,N-dimethylformamide. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 14468-76	3.4	1
129	A conductance study of guanidinium chloride, thiocyanate, sulfate, and carbonate in dilute aqueous solutions: ion-association and carbonate hydrolysis effects. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 615-22	3.4	22
128	Dielectric relaxation and solvation dynamics in a prototypical ionic liquid + dipolar protic liquid mixture: 1-butyl-3-methylimidazolium tetrafluoroborate + water. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 15356-68	3.4	60
127	Hydrophilic and hydrophobic hydration of sodium propanoate and sodium butanoate in aqueous solution. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 2142-52	3.4	26
126	Ion-pair or ion-cloud relaxation? On the origin of small-amplitude low-frequency relaxations of weakly associating aqueous electrolytes. <i>Journal of Molecular Liquids</i> , 2012 , 176, 52-59	6	33
125	Hydration of formate and acetate ions by dielectric relaxation spectroscopy. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 314-23	3.4	62
124	Properties of Sodium Tetrafluoroborate Solutions in 1-Butyl-3-methylimidazolium Tetrafluoroborate Ionic Liquid. <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 3019-3025	2.8	16
123	Dielectric relaxation and ultrafast transient absorption spectroscopy of [C6mim] ⁺ [Tf2N] ⁻ /acetonitrile mixtures. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 3596-603	3.6	11
122	Structure and dynamics in protic ionic liquids: a combined optical Kerr-effect and dielectric relaxation spectroscopy study. <i>Faraday Discussions</i> , 2012 , 154, 145-53; discussion 189-220, 465-71	3.6	52
121	Structure and dynamics of 1-N-alkyl-3-N-methylimidazolium tetrafluoroborate + acetonitrile mixtures. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 7509-21	3.4	60
120	Hydrogen-Bond Dynamics in a Protic Ionic Liquid: Evidence of Large-Angle Jumps. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 3034-8	6.4	59
119	Hydration and sodium-ion binding of trifluoroacetate in aqueous solution. <i>Journal of Molecular Liquids</i> , 2012 , 176, 93-100	6	13
118	Complex formation in aqueous trimethylamine-N-oxide (TMAO) solutions. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 4783-95	3.4	111
117	Electrical Conductivity Studies of Tetraalkylammonium Bromides in Aqueous Solutions at Several Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 2203-2210	2.8	14
116	Densities, Viscosities [from (278.15 to 318.15) K], and Electrical Conductivities (at 298.15 K) of Aqueous Solutions of Choline Chloride and Chloro-Choline Chloride. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 4944-4949	2.8	40

115	The influence of polarizability on the dielectric spectrum of the ionic liquid 1-ethyl-3-methylimidazolium triflate. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 12240-8	3.6	39
114	Quasi-linear least squares and computer code for numerical evaluation of relaxation time distribution from broadband dielectric spectra. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 025903	1.8	11
113	Dynamics of water confined in self-assembled monoglyceride/water bilayers. <i>Soft Matter</i> , 2011 , 7, 1409-1417	3.6	17
112	Association of ionic liquids in solution: a combined dielectric and conductivity study of [bmim][Cl] in water and in acetonitrile. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 17588-98	3.6	76
111	1-Ethyl-3-methylimidazolium Ethylsulfate in Water, Acetonitrile, and Dichloromethane: Molar Conductivities and Association Constants. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 1261-1267	2.8	56
110	Diffusion in ionic liquids: the interplay between molecular structure and dynamics. <i>Soft Matter</i> , 2011 , 7, 1678	3.6	93
109	Dielectric relaxation study of the ion solvation and association of NaCF ₃ SO ₃ , Mg(CF ₃ SO ₃) ₂ , and Ba(ClO ₄) ₂ in N,N-dimethylformamide. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 2234-42	3.4	13
108	Rattling the cage: Micro- to mesoscopic structure in liquids as simple as argon and as complicated as water. <i>Journal of Molecular Liquids</i> , 2011 , 159, 2-8	6	32
107	Features of ion hydration and association in aqueous rubidium fluoride solutions at ambient conditions. <i>Journal of Molecular Liquids</i> , 2011 , 159, 9-17	6	21
106	Molecular to diffusion dynamics and static structures of aqueous micellar solutions: A SAXS/DLS/DRS study. <i>Journal of Molecular Liquids</i> , 2011 , 159, 76-82	6	7
105	Influence of various commercial water treatment processes on the electric conductivity of several drinking waters. <i>Journal of Molecular Liquids</i> , 2011 , 160, 144-149	6	5
104	Molar Conductivities and Association Constants of 1-Butyl-3-methylimidazolium Chloride and 1-Butyl-3-methylimidazolium Tetrafluoroborate in Methanol and DMSO. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 1799-1803	2.8	46
103	Comment on "An explanation for the charge on water's surface" by A. Gray-Weale and J. K. Beattie, <i>Phys. Chem. Chem. Phys.</i> , 2009, 11, 10994. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 14362-3; discussion 14364-6	3.6	12
102	The Conductivity of Imidazolium-Based Ionic Liquids from (35 to 195) °C. A. Variation of Cation Alkyl Chain. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 1768-1773	2.8	143
101	The Conductivity of Imidazolium-Based Ionic Liquids from (248 to 468) K. B. Variation of the Anion. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 1774-1778	2.8	148
100	Are nanoscale ion aggregates present in aqueous solutions of guanidinium salts?. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 13617-27	3.4	43
99	Influence of concentration and temperature on the dynamics of water in the hydrophobic hydration shell of tetramethylurea. <i>Journal of the American Chemical Society</i> , 2010 , 132, 15671-8	16.4	109
98	Correlation between polarity parameters and dielectric properties of [Na][TOTO]—a sodium ionic liquid. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 14341-50	3.6	42

97	Relative Permittivity of Dimethylsulfoxide and N,N-Dimethylformamide at Temperatures from (278 to 328) K and Pressures from (0.1 to 5) MPa. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 2055-2065	2.8	22
96	Dynamic solvent effects in electrochemical kinetics: indications for a switch of the relevant solvent mode. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 311-20	3.4	14
95	Chemical Speciation in Ionic Liquids and their Mixtures with Polar Solvents Using Dielectric Spectroscopy. <i>ACS Symposium Series</i> , 2010 , 61-74	0.4	2
94	How ideal are binary mixtures of room-temperature ionic liquids?. <i>Journal of Molecular Liquids</i> , 2010 , 153, 46-51	6	102
93	Temperature dependence of the dielectric properties and dynamics of ionic liquids. <i>ChemPhysChem</i> , 2009 , 10, 723-33	3.2	175
92	Broadband dielectric response of dichloromethane. <i>Chemical Physics Letters</i> , 2009 , 471, 85-91	2.5	38
91	Interactions and dynamics in electrolyte solutions by dielectric spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 8984-99	3.6	219
90	Dielectric Relaxation Spectroscopy of Aliphatic Ionene Bromides and Fluorides in Water: The Role of the Polyion Charge Density and the Nature of the Counterions. <i>Macromolecules</i> , 2009 , 42, 4337-4342	5.5	23
89	Dynamics of imidazolium ionic liquids from a combined dielectric relaxation and optical Kerr effect study: evidence for mesoscopic aggregation. <i>Journal of the American Chemical Society</i> , 2009 , 131, 11140-6	16.4	232
88	Dipole correlations in the ionic liquid 1-N-ethyl-3-N-methylimidazolium ethylsulfate and its binary mixtures with dichloromethane. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 9527-37	3.4	60
87	Modelling fast mode dielectric relaxation of counterions in aqueous solutions of ionene bromides and fluorides. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 10053-8	3.6	16
86	Conductivities of Binary Mixtures of Ionic Liquids with Polar Solvents. <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 472-479	2.8	228
85	Glasslike Behaviour in Aqueous Electrolyte Solutions. <i>Springer Series in Chemical Physics</i> , 2009 , 484-486	0.3	1
84	Electrical conductivity and translational diffusion in the 1-butyl-3-methylimidazolium tetrafluoroborate ionic liquid. <i>Journal of Chemical Physics</i> , 2008 , 128, 214509	3.9	108
83	From ionic liquid to electrolyte solution: dynamics of 1-N-butyl-3-N-methylimidazolium tetrafluoroborate/dichloromethane mixtures. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 12913-9	3.4	87
82	What can be learnt from dielectric relaxation spectroscopy about ion solvation and association?. <i>Pure and Applied Chemistry</i> , 2008 , 80, 1239-1252	2.1	92
81	Why are ionic liquid ions mainly associated in water? A Car-Parrinello study of 1-ethyl-3-methyl-imidazolium chloride water mixture. <i>Journal of Chemical Physics</i> , 2008 , 129, 104505	3.9	123
80	Scandium sulfate complexation in aqueous solution by dielectric relaxation spectroscopy. <i>Inorganic Chemistry</i> , 2008 , 47, 8619-28	5.1	13

79	Intramolecular charge transfer reaction, polarity, and dielectric relaxation in AOT/water/heptane reverse micelles: pool size dependence. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 9379-88	3-4	55
78	Glasslike behavior in aqueous electrolyte solutions. <i>Journal of Chemical Physics</i> , 2008 , 128, 161102	3-9	81
77	On the collective network of ionic liquid/water mixtures. II. Decomposition and interpretation of dielectric spectra. <i>Journal of Chemical Physics</i> , 2008 , 129, 184501	3-9	83
76	Interactions and dynamics in ionic liquids. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 4854-8	3-4	148
75	Poly(ethylene glycol)-conjugated phospholipids in aqueous micellar solutions: hydration, static structure, and interparticle interactions. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 1393-401	3-4	35
74	Dielectric spectroscopy of hydrogen bond dynamics and microheterogeneity of water + dioxane mixtures. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 5946-55	3-4	38
73	Ion association and hydration in aqueous solutions of LiCl and Li ₂ SO ₄ by dielectric spectroscopy. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 9010-7	3-4	109
72	Ion association and hydration in 3:2 electrolyte solutions by dielectric spectroscopy: Aluminum sulfate. <i>Geochimica Et Cosmochimica Acta</i> , 2007 , 71, 5287-5300	5-5	30
71	High Frequency Dielectric Response of the Ionic Liquid N-Methyl-N-ethylpyrrolidinium Dicyanamide. <i>Australian Journal of Chemistry</i> , 2007 , 60, 6	1-2	25
70	Picosecond dynamics and microheterogeneity of water+dioxane mixtures. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 2043-6	2-8	25
69	Temperature effects on ion association and hydration in MgSO ₄ by dielectric spectroscopy. <i>ChemPhysChem</i> , 2006 , 7, 2319-30	3-2	48
68	Comment on "Dynamic ion association in aqueous solutions of sulfate" [J. Chem. Phys. 123, 034508 (2005)]. <i>Journal of Chemical Physics</i> , 2006 , 124, 247101; author reply 247102	3-9	5
67	Broadband dielectric response of the ionic liquid N-methyl-N-ethylpyrrolidinium dicyanamide. <i>Chemical Communications</i> , 2006 , 1748-50	5-8	75
66	Ion association and hydration in aqueous solutions of copper(II) sulfate from 5 to 65 degrees C by dielectric spectroscopy. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 14961-70	3-4	40
65	Effects of nonionic surfactant C12E5 on the cooperative dynamics of water. <i>Langmuir</i> , 2006 , 22, 924-32	4	59
64	Dielectric properties of oil/water complexes using terahertz transmission spectroscopy. <i>Chemical Physics Letters</i> , 2006 , 421, 494-498	2-5	59
63	Dielectric relaxation spectroscopy of ion/solvent interactions in formamide and N-methylformamide. <i>Journal of Molecular Liquids</i> , 2006 , 127, 14-20	6	19
62	Ion association of alkaline and alkaline-earth metal perchlorates in acetonitrile. <i>Journal of Molecular Liquids</i> , 2006 , 129, 3-12	6	47

61	Hydration of tetraphenylphosphonium and tetraphenylborate ions by dielectric relaxation spectroscopy. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 5147-54	3.4	54
60	Relation between dielectric and low-frequency Raman spectra of hydrogen-bond liquids. <i>Physical Review Letters</i> , 2005 , 95, 197802	7.4	246
59	Is there an anionic Hofmeister effect on water dynamics? Dielectric spectroscopy of aqueous solutions of NaBr, NaI, NaNO ₃ , NaClO ₄ , and NaSCN. <i>Journal of Physical Chemistry A</i> , 2005 , 109, 8675-83	2.8	133
58	Dielectric spectroscopy of micelle hydration and dynamics in aqueous ionic surfactant solutions. <i>Journal of Molecular Liquids</i> , 2005 , 118, 179-187	6	84
57	Dielectric relaxation spectroscopy of aqueous amino acid solutions: dynamics and interactions in aqueous glycine. <i>Journal of Molecular Liquids</i> , 2005 , 117, 93-98	6	55
56	Cooperative and molecular dynamics of alcohol/water mixtures: the view of dielectric spectroscopy. <i>Journal of Molecular Liquids</i> , 2005 , 117, 23-31	6	42
55	Ion association and solvation of perchlorate salts in N,N-dimethylformamide and N,N-dimethylacetamide: A dielectric relaxation study. <i>Journal of Molecular Liquids</i> , 2005 , 119, 97-106	6	28
54	Percolating microemulsions of nonionic surfactants probed by dielectric spectroscopy. <i>ChemPhysChem</i> , 2005 , 6, 1051-5	3.2	13
53	Effects of hydration on the thermodynamic properties of aqueous ethylene glycol ether solutions. <i>Journal of Chemical Thermodynamics</i> , 2005 , 37, 513-522	2.9	22
52	Ion Association and Hydration in Aqueous Solutions of Nickel(II) and Cobalt(II) Sulfate. <i>Journal of Solution Chemistry</i> , 2005 , 34, 1045-1066	1.8	44
51	Automated apparatus for the rapid determination of liquid-liquid and solid-liquid phase transitions. <i>Fluid Phase Equilibria</i> , 2004 , 216, 175-182	2.5	20
50	Effect of the Chain Length on the Inter- and Intramolecular Dynamics of Liquid Oligo(ethylene glycol)s. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 6281-7	3.4	48
49	Ion Pairing and Solvent Relaxation Processes in Aqueous Solutions of Sodium Malonate and Sodium Succinate. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 13789-13795	3.4	21
48	Dielectric Relaxation Processes in Ethanol/Water Mixtures. <i>Journal of Physical Chemistry A</i> , 2004 , 108, 5007-5015	2.8	129
47	Complexity in Simple Electrolyte Solutions: Ion Pairing in MgSO ₄ (aq). <i>Journal of Physical Chemistry B</i> , 2004 , 108, 2365-2375	3.4	225
46	Dielectric Spectroscopy of Solutions 2004 , 265-288		11
45	Micelle and solvent relaxation in aqueous sodium dodecylsulfate solutions. <i>ChemPhysChem</i> , 2003 , 4, 1065-72	3.2	45
44	Hydration and ion pairing in aqueous sodium oxalate solutions. <i>ChemPhysChem</i> , 2003 , 4, 373-8	3.2	39

43	Dielectric relaxation spectroscopy of 2-propanol/water mixtures. <i>Journal of Chemical Physics</i> , 2003 , 118, 4606-4613	3.9	98
42	Dielectric Spectroscopy of Aqueous Solutions of KCl and CsCl. <i>Journal of Physical Chemistry A</i> , 2003 , 107, 4025-4031	2.8	110
41	Relative Permittivity and Refractive Index. <i>Experimental Thermodynamics</i> , 2003 , 6, 433-473		3
40	The cooperative dynamics of the H-bond system in 2-propanol/water mixtures: Steric hindrance effects of nonpolar head group. <i>Journal of Chemical Physics</i> , 2003 , 119, 10789-10800	3.9	64
39	The dynamics of liquid formamide, N-methylformamide, N,N-dimethylformamide, and N,N-dimethylacetamide. A dielectric relaxation study. <i>Journal of Molecular Liquids</i> , 2002 , 98-99, 51-69	6	105
38	The cellulose solvent system N,N-dimethylacetamide/lithium chloride revisited: the effect of water on physicochemical properties and chemical stability. <i>Cellulose</i> , 2002 , 9, 41-53	5.5	113
37	Dielectric Spectroscopy of Cesium Fluoride in Methanol. <i>Journal of Solution Chemistry</i> , 2002 , 31, 521-535	1.8	15
36	Dielectric Relaxation of Concentrated Alkaline Aluminate Solutions. <i>Journal of Physical Chemistry A</i> , 2002 , 106, 6527-6532	2.8	23
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