

# CITATION REPORT

List of articles citing

## Molecular states of water in room temperature ionic liquids

DOI: 10.1039/b106900d

Physical Chemistry Chemical Physics, 2001, 3, 5192-5200.

**Source:** <https://exaly.com/paper-pdf/32429455/citation-report.pdf>

**Version:** 2024-04-26

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
1316	Determination of binding constants of cyclodextrins in room-temperature ionic liquids by near-infrared spectrometry. <b>2002</b> , 74, 5337-41		78
1315	The role of hydrogen bonding in controlling the selectivity of Diels-Alder reactions in room-temperature ionic liquids. <b>2002</b> , 4, 517-520		263
1314	Ionic liquid (molten salt) phase organometallic catalysis. <b>2002</b> , 102, 3667-92		3388
1313	A highly fluorous room-temperature ionic liquid exhibiting fluorous biphasic behavior and its use in catalyst recycling. <b>2002</b> , 4, 3851-4		93
1312	Nucleophilicity in ionic liquids. 2.(1) Cation effects on halide nucleophilicity in a series of bis(trifluoromethylsulfonyl)imide ionic liquids. <b>2002</b> , 67, 8855-61		181
1311	Solubilities and Thermodynamic Properties of Gases in the Ionic Liquid 1-n-Butyl-3-methylimidazolium Hexafluorophosphate. <b>2002</b> , 106, 7315-7320		829
1310	Solvent-Solute interactions in ionic liquids. <i>Physical Chemistry Chemical Physics</i> , <b>2003</b> , 5, 2790-2794	3.6	701
1309	Bristed Acid-Base Ionic Liquids as Proton-Conducting Nonaqueous Electrolytes. <b>2003</b> , 107, 4024-4033		601
1308	Phase Equilibria of Gases and Liquids with 1-n-butyl-3-Methylimidazolium Tetrafluoroborate. <b>2003</b> , 110-120		12
1307	Conventional Aspects of Unconventional Solvents: Room Temperature Ionic Liquids as Ion-Exchangers and Ionic Surfactants. <b>2003</b> , 526-543		10
1306	Designing Ionic Liquids: 1-Butyl-3-Methylimidazolium Cations with Substituted Tetraphenylborate Counterions. <b>2003</b> , 2003, 2798-2811		53
1305	The Structure of a Room-Temperature Ionic Liquid with and without Trace Amounts of Water: The Role of C-H...O and C-H...F Interactions in 1-n-Butyl-3-Methylimidazolium Tetrafluoroborate. <b>2003</b> , 115, 4500-4502		80
1304	The structure of a room-temperature ionic liquid with and without trace amounts of water: the role of C-H...O and C-H...F interactions in 1-n-butyl-3-methylimidazolium tetrafluoroborate. <b>2003</b> , 42, 4364-6		374
1303	Influence of Water on the Orientation of Cations at the Surface of a Room-Temperature Ionic Liquid: A Sum Frequency Generation Vibrational Spectroscopic Study. <b>2003</b> , 107, 6148-6152		160
1302	Effects of Solubilized Water on the Relaxation Dynamics Surrounding 6-Propionyl-2-(N,N-dimethylamino)naphthalene Dissolved in 1-Butyl-3-methylimidazolium Hexafluorophosphate at 298 K. <b>2003</b> , 42, 6457-6463		93
1301	A Simulation Study of Water-Dialkylimidazolium Ionic Liquid Mixtures. <b>2003</b> , 107, 10873-10878		352
1300	Absorption of water by room-temperature ionic liquids: effect of anions on concentration and state of water. <b>2003</b> , 57, 152-7		236

1299	Palladium-Catalyzed Suzuki Cross-Coupling Reactions in Ambient Temperature Ionic Liquids: Evidence for the Importance of Palladium Imidazolylidene Complexes. <b>2003</b> , 22, 5350-5357	128
1298	Stability of divalent europium in an ionic liquid: spectroscopic investigations in 1-methyl-3-butylimidazolium hexafluorophosphate. <b>2003</b> , 42, 1726-33	138
1297	Synthesis of very small TiO <sub>2</sub> nanocrystals in a room-temperature ionic liquid and their self-assembly toward mesoporous spherical aggregates. <b>2003</b> , 125, 14960-1	533
1296	Ionic Liquids of Chelated Orthoborates as Model Ionic Glassformers. <b>2003</b> , 107, 11749-11756	204
1295	Surfactants in Green Solvent Systems Current and Future Research Directions. <b>2003</b> , 24, 155-171	39
1294	Solvatochromic Probe Behavior within Ternary Room-Temperature Ionic Liquid 1-Butyl-3-methylimidazolium Hexafluorophosphate + Ethanol + Water Solutions. <b>2003</b> , 107, 13532-13539	122
1293	Fluorescence correlation spectroscopic studies of diffusion within the ionic liquid 1-butyl-3-methylimidazolium hexafluorophosphate. <b>2003</b> , 128, 786-9	50
1292	Quasielastic neutron scattering characterization of the relaxation processes in a room temperature ionic liquid. <b>2003</b> , 119, 8549-8557	111
1291	Ionic liquids and eutectic mixtures as solvent and template in synthesis of zeolite analogues. <b>2004</b> , 430, 1012-6	1101
1290	Biocatalysis in ionic liquids: the stereoconvergent hydrolysis of trans- $\beta$ -methylstyrene oxide catalyzed by soluble epoxide hydrolase. <b>2004</b> , 27, 243-248	56
1289	Why Is CO <sub>2</sub> so soluble in imidazolium-based ionic liquids?. <b>2004</b> , 126, 5300-8	1213
1288	Control of Wettability by Anion Exchange on Si/SiO <sub>2</sub> Surfaces. <b>2004</b> , 20, 3024-3027	89
1287	Physicochemical Properties and Structures of Room Temperature Ionic Liquids. 1. Variation of Anionic Species. <b>2004</b> , 108, 16593-16600	1148
1286	Palladium Catalyzed Reactions in Ionic Liquids. <b>2004</b> , 51, 251-284	37
1285	Catalytic Pauson-Khand reaction in ionic liquids. <b>2004</b> , 214, 103-106	20
1284	Volumetric Study of Binary Solvent Mixtures Constituted by Amphiphilic Ionic Liquids at Room Temperature (1-Alkyl-3-Methylimidazolium Bromide) and Water. <b>2004</b> , 33, 1333-1347	82
1283	Fluorescence and CD spectroscopic analysis of the alpha-chymotrypsin stabilization by the ionic liquid, 1-ethyl-3-methylimidazolium bis[(trifluoromethyl)sulfonyl]amide. <b>2004</b> , 88, 916-24	166
1282	Recycling Chiral Imidazolidin-4-one Catalyst for Asymmetric Diels-Alder Reactions: Screening of Various Ionic Liquids. <b>2004</b> , 346, 49-52	49

1281	Enantioselective Hydrogenation of Trimethylindolenine in Ionic Liquids. <b>2004</b> , 346, 989-992	42
1280	Mixtures of Ionic Liquids and Water as a Medium for Efficient Enantioselective Hydrogenation and Catalyst Recycling. <b>2004</b> , 346, 1481-1486	49
1279	Gaseous supramolecules of imidazolium ionic liquids: "magic" numbers and intrinsic strengths of hydrogen bonds. <b>2004</b> , 10, 6187-93	225
1278	Heterogeneous oxidation of pyrimidine and alkyl thioethers in ionic liquids over mesoporous Ti or Ti/Ge catalysts. <b>2004</b> , 10, 4640-6	31
1277	Supported liquid membranes using ionic liquids: study of stability and transport mechanisms. <b>2004</b> , 242, 197-209	207
1276	N-donor complexes of palladium as catalysts for Suzuki cross-coupling reactions in ionic liquids. <b>2004</b> , 214, 27-32	65
1275	Anion effects on ionogel formation in N,N'-dialkylimidazolium-based ionic liquids. <b>2004</b> , 357, 3991-3998	85
1274	Visualisation of the heterogeneous water sorption in a pharmaceutical formulation under controlled humidity via FT-IR imaging. <b>2004</b> , 35, 45-49	43
1273	Baylis-Hillman reaction in [bdmim][PF <sub>6</sub> ] ionic liquid. <b>2004</b> , 45, 4673-4676	92
1272	Photolytic degradation of chlorinated phenols in room temperature ionic liquids. <b>2004</b> , 165, 229-240	67
1271	Temperature dependence of viscosity for room temperature ionic liquids. <b>2004</b> , 568, 167-181	320
1270	Electrochemical synthesis and in situ spectroelectrochemical characterization of poly(3,4-ethylenedioxythiophene) (PEDOT) in room temperature ionic liquids. <b>2004</b> , 570, 113-122	134
1269	Ionic liquids in catalysis. <b>2004</b> , 248, 2459-2477	1312
1268	Chromatographic and spectroscopic methods for the determination of solvent properties of room temperature ionic liquids. <b>2004</b> , 1037, 49-82	557
1267	Dynamics of solvation and rotational relaxation of Coumarin 153 in 1-butyl-3-methylimidazolium hexafluorophosphate [bmim][PF <sub>6</sub> ]/water mixtures. <b>2004</b> , 397, 469-474	64
1266	Aggregation and micelle formation of ionic liquids in aqueous solution. <b>2004</b> , 400, 296-300	275
1265	Surface Spectroscopy of Room-temperature Ionic Liquids on a Platinum Electrode: A Sum Frequency Generation Study. <b>2004</b> , 108, 15133-15140	131
1264	Micelles of imidazolium-functionalized polystyrene diblock copolymers investigated with neutron and light scattering. <b>2004</b> , 20, 596-605	56

1263	A neutron scattering study of the structure and water partitioning of selectively deuterated copolymer micelles. <b>2004</b> , 20, 8975-87	36
1262	1-Alkyl-3-methylimidazolium Bis(perfluoroalkylsulfonyl)imide Water-Immiscible Ionic Liquids. <b>2004</b> , 151, E219	117
1261	Structure of the Room-Temperature Ionic Liquid/SiO <sub>2</sub> Interface Studied by Sum-Frequency Vibrational Spectroscopy. <b>2004</b> , 108, 20255-20262	151
1260	Liquid Phase Behavior of Imidazolium-Based Ionic Liquids with Alcohols. <b>2004</b> , 108, 5113-5119	355
1259	A detailed thermodynamic analysis of [C <sub>4</sub> mim][BF <sub>4</sub> ] + water as a case study to model ionic liquid aqueous solutions. <b>2004</b> , 6, 369-381	311
1258	Synthesis of gold nanoparticles modified with ionic liquid based on the imidazolium cation. <b>2004</b> , 126, 3026-7	506
1257	Room-Temperature Ionic Liquids as Template to Monolithic Mesoporous Silica with Wormlike Pores via a Sol-Gel Nanocasting Technique. <b>2004</b> , 4, 477-481	458
1256	Predicting Infinite-Dilution Activity Coefficients of Organic Solutes in Ionic Liquids. <b>2004</b> , 43, 1039-1048	77
1255	High-Pressure Phase Behavior of Carbon Dioxide with Imidazolium-Based Ionic Liquids. <b>2004</b> , 108, 20355-20365	704
1254	Influence of water on the surface of hydrophilic and hydrophobic room-temperature ionic liquids. <b>2004</b> , 126, 11788-9	195
1253	Structural Studies of Crystalline 1-Alkyl-3-Methylimidazolium Chloride Salts. <b>2004</b> , 16, 43-48	123
1252	Behaviour of a binary solvent mixture constituted by an amphiphilic ionic liquid, 1-decyl-3-methylimidazolium bromide and water Potentiometric and conductimetric studies. <b>2004</b> , 63, 979-86	128
1251	Imidazolium ion-terminated self-assembled monolayers on Au: effects of counteranions on surface wettability. <b>2004</b> , 126, 480-1	221
1250	Nucleophilicity in ionic liquids. 3. Anion effects on halide nucleophilicity in a series of 1-butyl-3-methylimidazolium ionic liquids. <b>2004</b> , 69, 5986-92	107
1249	Manipulating solute nucleophilicity with room temperature ionic liquids. <b>2004</b> , 126, 11549-55	205
1248	Similar meltwater contributions to glacial sea level changes from Antarctic and northern ice sheets. <b>2004</b> , 430, 1016-21	70
1247	Thermophysical Properties of Imidazolium-Based Ionic Liquids. <b>2004</b> , 49, 954-964	1262
1246	Acceptor Number of Room Temperature Ionic Liquid Determined by the Raman Spectrum of Diphenylcyclopropanone. <b>2005</b> , 34, 338-339	21

1245	Water-induced Acceleration of Transport Properties in Hydrophobic 1-Butyl-3-methylimidazolium Hexafluorophosphate Ionic Liquid. <b>2005</b> , 34, 324-325	35
1244	Asymmetric Michael addition promoted by (R,R)-trans-1,2-diaminocyclohexane in ionic liquids. <b>2005</b> , 690, 3535-3539	19
1243	Phase transition and decomposition temperatures, heat capacities and viscosities of pyridinium ionic liquids. <b>2005</b> , 37, 559-568	585
1242	Preparation and characterization of mesoporous TiO <sub>2</sub> particles by modified sol-gel method using ionic liquids. <b>2005</b> , 84, 211-217	87
1241	Anion nucleophilicity in ionic liquids: a comparison with traditional molecular solvents of different polarity. <b>2005</b> , 46, 3961-3963	37
1240	Synthesis of fused tetrahydro- $\beta$ -carbolinequinoxalinones in 1-n-butyl-2,3-dimethylimidazolium bis(trifluoromethylsulfonyl)imide ([bdmim][Tf <sub>2</sub> N]) and 1-n-butyl-2,3-dimethylimidazolium perfluorobutylsulfonate ([bdmim][PFBuSO <sub>3</sub> ]) ionic liquids. <b>2005</b> , 46, 6131-6136	59
1239	Liquid phase behavior of imidazolium-based ionic liquids with alcohols: effect of hydrogen bonding and non-polar interactions. <b>2005</b> , 228-229, 303-309	116
1238	Air-liquid interface of ionic liquid+H <sub>2</sub> O binary system studied by surface tension measurement and sum-frequency generation spectroscopy. <b>2005</b> , 406, 495-500	84
1237	Purification of imidazolium ionic liquids for spectroscopic applications. <b>2005</b> , 415, 131-136	224
1236	Physicochemical properties and solubility of alkyl-(2-hydroxyethyl)-dimethylammonium bromide. <b>2005</b> , 109, 12124-32	138
1235	Identification of 1,3-dialkylimidazolium salt supramolecular aggregates in solution. <b>2005</b> , 109, 4341-9	277
1234	Ionic Liquids as Reaction Media for Palladium-Catalysed Cross-Coupling of Aryldiazonium Tetrafluoroborates with Potassium Organotrifluoroborates. <b>2005</b> , 2005, 582-588	29
1233	Application of Diffusion-Ordered Spectroscopy (DOSY) as a Solvent Signal Filter for NMR in Neat Ionic Liquids. <b>2005</b> , 2005, 4529-4532	28
1232	Rationalisation of Solvent Effects in the Diels-Alder Reaction Between Cyclopentadiene and Methyl Acrylate in Room Temperature Ionic Liquids. <b>2005</b> , 347, 266-274	83
1231	Oxybromination of Ethynylbenzene Catalysed by Molybdenum Complexes in Organic Solvent and in Ionic Liquids. <b>2005</b> , 347, 1341-1344	49
1230	Solute partitioning between an ionic liquid and high-pressure CO <sub>2</sub> studied with in situ FTIR spectroscopy. <b>2005</b> , 37, 621-626	26
1229	Electrolytic conductivity of four imidazolium-based room-temperature ionic liquids and the effect of a water impurity. <b>2005</b> , 37, 569-575	272
1228	Ionic liquids: solvent properties and organic reactivity. <b>2005</b> , 18, 275-297	960

1227	Room-Temperature Ionic Liquid-Organic Solvent Mixtures: Conductivity and Ionic Association. <b>2005</b> , 73, 620-622	49
1226	A new methodology for zeolite analogue synthesis using ionic liquids as solvent and template. <b>2005</b> , 247-254	13
1225	The Partitioning Behavior of Tyramine and 2-Methoxyphenethylamine in a Room Temperature Ionic Liquid/Water System Compared to Traditional Organic/Water System. <b>2005</b> , 40, 1555-1566	8
1224	Sustainable vanadium(V)-catalyzed oxybromination of styrene: Two-phase system versus ionic liquids. <b>2005</b> , 77, 1575-1581	36
1223	Investigation of the Structure of l-Butyl-3-methylimidazolium Tetrafluoroborate and Its Interaction with Water by Homo- and Heteronuclear Overhauser Enhancement. <b>2005</b> , 2-17	4
1222	Structure of ionic liquid-benzene mixtures. <b>2005</b> , 109, 1593-8	157
1221	Toxicity and antimicrobial activity of imidazolium and pyridinium ionic liquids. <b>2005</b> , 7, 185	760
1220	Regioselective Mononitration of Simple Aromatic Compounds under Mild Conditions in Ionic Liquids <b>2005</b> , 44, 8611-8615	29
1219	Physicochemical properties and structures of room temperature ionic liquids. 2. Variation of alkyl chain length in imidazolium cation. <b>2005</b> , 109, 6103-10	1414
1218	The effect of dissolved water on the viscosities of hydrophobic room-temperature ionic liquids. <b>2005</b> , 1610-2	253
1217	Preparation of porous aminopropylsilsesquioxane by a nonhydrolytic sol-gel method in ionic liquid solvent. <b>2005</b> , 21, 1618-22	79
1216	Stabilization of Ti-molecular sieve catalysts used in selective sulfoxidation reactions by ionic liquids. <b>2005</b> , 7, 326	7
1215	Effect of an "ionic liquid" cation, 1-butyl-3-methylimidazolium, on the molecular organization of H <sub>2</sub> O. <b>2005</b> , 109, 9014-9	129
1214	Solution structures of 1-butyl-3-methylimidazolium hexafluorophosphate ionic liquid saturated with CO <sub>2</sub> : Experimental evidence of specific anion-CO <sub>2</sub> interaction. <b>2005</b> , 109, 13847-50	78
1213	Synthesis of 3-(4-tert-butylphenyl)-2-propen-1-one, a precursor to Lilial, via an aldol condensation in an ionic liquid. <b>2005</b> , 7, 224-229	19
1212	Camphor ionic liquid: correlation between stereoselectivity and cation-anion interaction. <b>2005</b> , 70, 10106-8	42
1211	Effect of water, methanol, and acetonitrile on solvent relaxation and rotational relaxation of coumarin 153 in neat 1-hexyl-3-methylimidazolium hexafluorophosphate. <b>2005</b> , 109, 1764-9	116
1210	Dynamics of solvent and rotational relaxation of coumarin 153 in room-temperature ionic liquid 1-butyl-3-methylimidazolium hexafluorophosphate confined in Brij-35 micelles: a picosecond time-resolved fluorescence spectroscopic study. <b>2005</b> , 109, 11110-6	59

1209	Solute partitioning between the ionic liquid 1-n-butyl-3-methylimidazolium tetrafluoroborate and supercritical CO <sub>2</sub> from capillary-column chromatography. <b>2005</b> , 109, 15165-71	25
1208	Vibrational spectroscopy and dynamics of small anions in ionic liquid solutions. <b>2005</b> , 123, 084504	86
1207	Raman and ab initio studies of simple and binary 1-alkyl-3-methylimidazolium ionic liquids. <b>2005</b> , 109, 19018-25	205
1206	Recovery of amino acids by imidazolium based ionic liquids from aqueous media. <b>2005</b> , 7, 196	184
1205	Octanol/water partition coefficients of imidazolium-based ionic liquids. <b>2005</b> , 7, 83-90	212
1204	Anion effects on gas solubility in ionic liquids. <b>2005</b> , 109, 6366-74	835
1203	High performance NMR in ionic liquids. <b>2005</b> , 7, 279	51
1202	Understanding structure-stability relationships of <i>Candida antarctica</i> lipase B in ionic liquids. <b>2005</b> , 6, 1457-64	284
1201	The Pt(II)-catalyzed Baeyer-Villiger oxidation of cyclohexanone with H <sub>2</sub> O <sub>2</sub> in ionic liquids. <b>2005</b> , 7, 262	37
1200	New opportunity for enzymatic modification of fats and oils with industrial potentials. <b>2005</b> , 3, 2615-9	72
1199	Association of methanol and water in ionic liquids elucidated by infrared spectroscopy using two-dimensional correlation and multivariate curve resolution. <b>2006</b> , 110, 10896-902	121
1198	Structure and activity of <i>Candida antarctica</i> lipase B in ionic liquids. <b>2006</b> , 8, 282-286	135
1197	Comparing an ionic liquid to a molecular solvent in the cesium cation extraction by a calixarene: a molecular dynamics study of the aqueous interfaces. <b>2006</b> , 110, 19497-506	42
1196	Effect of Water on the Heck Reactions Catalyzed by Recyclable Palladium Chloride in Ionic Liquids Coupled with Supercritical CO <sub>2</sub> Extraction. <b>2006</b> , 45, 4433-4435	30
1195	Liquid phase behavior of ionic liquids with alcohols: experimental studies and modeling. <b>2006</b> , 110, 9354-61	127
1194	A theoretical investigation of the interactions between water molecules and ionic liquids. <b>2006</b> , 110, 24646-51	193
1193	Preliminary assessment of imidazolium-based room-temperature ionic liquids for extraction of organic contaminants from soils. <b>2006</b> , 40, 2339-45	41
1192	Room temperature ionic liquids structure and its effect on the mononuclear rearrangement of heterocycles: an approach using thermodynamic parameters. <b>2006</b> , 71, 9637-42	58



1191	Ionic liquids--media for unique phosphorus chemistry. <b>2006</b> , 72-4		62
1190	An assessment of ionic liquid mutagenicity using the Ames Test. <b>2006</b> , 8, 560		43
1189	Fluorine-free and hydrophobic room-temperature ionic liquids, tetraalkylammonium bis(2-ethylhexyl)sulfosuccinates, and their ionic liquid/water two-phase properties. <b>2006</b> , 8, 349		67
1188	Recovery of Cesium Extracted from Simulated Tank Waste with an Ionic Liquid: Water and Oxygen Effects. <b>2006</b> , 153, D171		23
1187	Molecular dynamics simulations of the aqueous interface with the [BMI][PF6] ionic liquid: Comparison of different solvent models. <i>Physical Chemistry Chemical Physics</i> , <b>2006</b> , 8, 4166-74	3.6	61
1186	Water Vibrational Bands as a Polarity Indicator in Ionic Liquids. <b>2006</b> , 220, 1361-1376		25
1185	Influence of water on the surface of the water-miscible ionic liquid 1-butyl-3-methylimidazolium tetrafluoroborate: a sum frequency generation analysis. <b>2006</b> , 110, 15499-505		65
1184	Influence of gamma irradiation on hydrophobic room-temperature ionic liquids [BuMeIm]PF6 and [BuMeIm](CF3SO2)2N. <b>2006</b> , 2526-34		146
1183	Using Kamlet-Taft solvent descriptors to explain the reactivity of anionic nucleophiles in ionic liquids. <b>2006</b> , 71, 8847-53		135
1182	Raman spectroscopic study on solvation of diphenylcyclopropanone and phenol blue in room temperature ionic liquids. <b>2006</b> , 110, 6164-72		48
1181	Physicochemical properties and structures of room-temperature ionic liquids. 3. Variation of cationic structures. <b>2006</b> , 110, 2833-9		541
1180	Dielectric response of imidazolium-based room-temperature ionic liquids. <b>2006</b> , 110, 12682-8		280
1179	Structure-directing role of amines in the ionothermal synthesis. <b>2006</b> , 128, 7432-3		118
1178	Task-specific ionic liquid for solubilizing metal oxides. <b>2006</b> , 110, 20978-92		357
1177	Surfactant ionic liquid-based microemulsions for polymerization. <b>2006</b> , 2696-8		181
1176	Formation of higher chloride complexes of Np(IV) and Pu(IV) in water-stable room-temperature ionic liquid [BuMeIm][Tf2N]. <b>2006</b> , 45, 1235-42		58
1175	A simple quantum statistical thermodynamics interpretation of an impressive phase diagram pressure shift upon (H/D) isotopic substitution in water + 3-methylpyridine. <b>2006</b> , 110, 1377-87		4
1174	Swelling behavior of chitosan hydrogels in ionic liquid-water binary systems. <b>2006</b> , 22, 9375-9		41

1173	Effect of Acetonitrile on the Solubility of Carbon Dioxide in 1-Ethyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)amide. <b>2006</b> , 45, 8180-8188		57
1172	Isotope effects on miscibility of 1-butyl-3-methylimidazolium tetrafluoroborate with butanols. <b>2006</b> , 110, 17195-9		18
1171	Switching the Mechanism of Catalyst Activation by Ionic Liquids. <b>2006</b> , 25, 5811-5816		26
1170	Structural characterization of the 1-butyl-3-methylimidazolium chloride ion pair using ab initio methods. <b>2006</b> , 110, 2269-82		184
1169	Effect of the modification of phenothiazine-labeled poly(ethylene oxide) on the solubility and enzymatic electrocatalytic reaction of glucose oxidase in water/1-butyl-3-methylimidazolium tetrafluoroborate mixtures. <b>2006</b> , 8, 45-50		8
1168	Electrochemical and spectroelectrochemical study on bilayer films composed of C60 and poly(3,4-ethylenedioxythiophene) PEDOT. <b>2006</b> , 51, 6060-6068		15
1167	Great increase of the electrical conductivity of ionic liquids in aqueous solutions. <b>2006</b> , 247, 32-39		141
1166	Micropolarity and aggregation behavior in ionic liquid + organic solvent solutions. <b>2006</b> , 248, 211-216		59
1165	Water content and related physical properties of aliphatic quaternary ammonium imide-type ionic liquid containing metal ions. <b>2006</b> , 7, 502-510		14
1164	Indirect catalytic epoxidation with hydrogen peroxide electrogenerated in ionic liquids. <b>2006</b> , 62, 6650-6658		24
1163	Thermally Stable Nanocrystalline TiO <sub>2</sub> Photocatalysts Synthesized via Sol-Gel Methods Modified with Ionic Liquid and Surfactant Molecules. <b>2006</b> , 18, 5377-5384		157
1162	Assessing the factors responsible for ionic liquid toxicity to aquatic organisms via quantitative structure-property relationship modeling. <b>2006</b> , 8, 82-90		488
1161	Physico-chemical processes in imidazolium ionic liquids. <i>Physical Chemistry Chemical Physics</i> , <b>2006</b> , 8, 2441-52	3.6	369
1160	One-Pot Multistep Synthetic Strategies for the Production of Fenpropimorph Using an Ionic Liquid Solvent. <b>2006</b> , 10, 94-102		33
1159	The [BMI][Tf2N] ionic liquid/water binary system: a molecular dynamics study of phase separation and of the liquid-liquid interface. <b>2006</b> , 110, 13076-85		119
1158	Surface characterization of 1-butyl-3-methylimidazolium Br-, I-, PF <sub>6</sub> -, BF <sub>4</sub> -, (CF <sub>3</sub> SO <sub>2</sub> ) <sub>2</sub> N-, SCN-, CH <sub>3</sub> SO <sub>3</sub> -, CH <sub>3</sub> SO <sub>4</sub> -, and (CN) <sub>2</sub> N- ionic liquids by sum frequency generation. <b>2006</b> , 110, 4756-65		164
1157	How ionic are room-temperature ionic liquids? An indicator of the physicochemical properties. <b>2006</b> , 110, 19593-600		1000
1156	Electrophilic reactions of aromatic and heteroaromatic compounds in ionic liquids. <b>2006</b> , 42, 1745-1770		22

1155	Microwave-assisted synthesis of cupric oxide nanosheets and nanowhiskers. <b>2006</b> , 60, 609-612	71
1154	Extraction of lanthanides from aqueous solution by using room-temperature ionic liquid and supercritical carbon dioxide in conjunction. <b>2006</b> , 12, 1760-6	68
1153	The association of water in ionic liquids: a reliable measure of polarity. <b>2006</b> , 45, 3697-702	247
1152	Synthesis and Characterization of Pt/C Nanocatalysts Using Room Temperature Ionic Liquids for Fuel Cell Applications. <b>2006</b> , 6, 347-355	22
1151	A molecular dynamics study of glucose solvation in the ionic liquid 1,3-dimethylimidazolium chloride. <b>2006</b> , 7, 2279-81	109
1150	Die Assoziation von Wasser in ionischen Flüssigkeiten: eine verlässliche Sonde zur Bestimmung der Polarität. <b>2006</b> , 118, 3780-3785	39
1149	A Simple and Practical Method for the Preparation and Purity Determination of Halide-Free Imidazolium Ionic Liquids. <b>2006</b> , 348, 243-248	235
1148	Study of thioglycosylation in ionic liquids. <b>2006</b> , 2, 12	5
1147	Swelling Behavior of Chitosan Hydrogel in Ionic Liquid-Water Binary System. <b>2006</b> , 915, 1	
1146	Room temperature stable underfill with novel latent catalyst for wafer level flip-chip packaging applications.	
1145	Interaction of ionic liquid with water with variation of water content in 1-butyl-3-methyl-imidazolium hexafluorophosphate ([bmim][PF <sub>6</sub> ])/TX-100/water ternary microemulsions monitored by solvent and rotational relaxation of coumarin 153 and coumarin 490. <b>2007</b> , 126, 2245-12	55
1144	Unique role of hydrophilic ionic liquid in modifying properties of aqueous Triton X-100. <b>2007</b> , 127, 184501	88
1143	On the collective network of ionic liquid/water mixtures. I. Orientational structure. <b>2007</b> , 127, 234503	114
1142	Electrochemical Properties of PEO-Based Polymer Electrolytes Blended with Different Room Temperature Ionic Liquids. <b>2007</b> , 249-250, 183-189	28
1141	Ionothermal synthesis of zeolites, metal-organic frameworks, and inorganic-organic hybrids. <b>2007</b> , 40, 1005-13	740
1140	Anion control in the ionothermal synthesis of coordination polymers. <b>2007</b> , 129, 10334-5	200
1139	Biocatalysis in ionic liquids. <b>2007</b> , 107, 2757-85	1339
1138	Enzymatic synthesis of poly(hydroxyalkanoates) in ionic liquids. <b>2007</b> , 132, 306-13	62

1137	Organometallic Chemistry in Ionic Liquids. <b>2007</b> , 847-882	
1136	Ether-Functionalized Imidazolium Hexafluorophosphate Ionic Liquids for Improved Water Miscibilities. <b>2007</b> , 46, 7389-7392	46
1135	Influence of the interaction between hydrogen sulfide and ionic liquids on solubility: experimental and theoretical investigation. <b>2007</b> , 111, 13014-9	130
1134	Molecular solutes in ionic liquids: a structural perspective. <b>2007</b> , 40, 1087-96	415
1133	Role of solubilized water in the reverse ionic liquid microemulsion of 1-butyl-3-methylimidazolium tetrafluoroborate/TX-100/benzene. <b>2007</b> , 111, 2506-13	136
1132	Physicochemical Properties. 57-174	9
1131	Ionic Liquids. <b>2007</b> ,	20
1130	Probing intermolecular interactions in water/ionic liquid mixtures by far-infrared spectroscopy. <b>2007</b> , 111, 4446-52	130
1129	Organic Synthesis. 265-568	4
1128	Choline saccharinate and choline acesulfamate: ionic liquids with low toxicities. <b>2007</b> , 111, 5254-63	204
1127	Dilute aqueous 1-butyl-3-methylimidazolium hexafluorophosphate: properties and solvatochromic probe behavior. <b>2007</b> , 9, 1252	39
1126	Factors affecting ionic liquids based removal of anionic dyes from water. <b>2007</b> , 41, 5090-5	103
1125	Ionic Liquids: Designer Solvents for Green Chemistry. 103-130	20
1124	Decolorization of ionic liquids for spectroscopy. <b>2007</b> , 79, 758-64	163
1123	Palladium catalyzed Suzuki C-C couplings in an ionic liquid: nanoparticles responsible for the catalytic activity. <b>2007</b> , 5572-81	89
1122	Solubility of phosphonium ionic liquid in alcohols, benzene, and alkylbenzenes. <b>2007</b> , 111, 4109-15	66
1121	Proton-Conducting Properties of a Brønsted Acid-Base Ionic Liquid and Ionic Melts Consisting of Bis(trifluoromethanesulfonyl)imide and Benzimidazole for Fuel Cell Electrolytes. <b>2007</b> , 111, 1541-1548	142
1120	Homogeneous Catalysis in Ionic Liquids. <b>2005</b> , 1-23	45

1119	The electrochemical oxidation and reduction of nitrate ions in the room temperature ionic liquid [C2mim][NTf2]; the latter behaves as a $\beta$ helt rather than an $\beta$ rganic solvent. <b>2007</b> , 31, 966-972	19
1118	Photochromism of 7-(N,N-diethylamino)-4'-hydroxyflavylium in a water-ionic liquid biphasic system. <b>2007</b> , 1608-10	12
1117	HRMAS NMR analysis in neat ionic liquids: a powerful tool to investigate complex organic molecules and monitor chemical reactions. <b>2007</b> , 9, 216	14
1116	Effect of ionic liquids on epoxide hydrolase-catalyzed synthesis of chiral 1,2-diols. <b>2007</b> , 2007, 162-168	29
1115	Synthesis of [EMIM]OH via bipolar membrane electro dialysis [precursor production for the combinatorial synthesis of [EMIM]-based ionic liquids. <b>2007</b> , 9, 935	56
1114	Solute-solvent interactions in imidazolium camphorsulfonate ionic liquids. <i>Physical Chemistry Chemical Physics</i> , <b>2007</b> , 9, 5891-6	3.6 22
1113	Luminescence properties and water coordination of Eu <sup>3+</sup> in the binary solvent mixture water/1-butyl-3-methylimidazolium chloride. <b>2007</b> , 46, 7121-8	40
1112	Effects of alcohols and counterions on the phase behavior of 1-octyl-3-methylimidazolium chloride aqueous solution. <b>2007</b> , 111, 11708-13	51
1111	A metallacage encapsulating chloride as a probe for a solvation scale in ionic liquids. <b>2007</b> , 46, 403-8	12
1110	Ionic liquid supported tin reagents for Stille cross coupling reactions. <b>2007</b> , 9, 431	37
1109	Solvation of uranium hexachloro complexes in room-temperature ionic liquids. A molecular dynamics investigation in two liquids. <b>2007</b> , 111, 4659-68	39
1108	Liquid Phase Behavior of Ionic Liquids with Water and 1-Octanol and Modeling of 1-Octanol/Water Partition Coefficients. <b>2007</b> , 52, 2462-2467	104
1107	Effect of water and organic solvents on the ionic dissociation of ionic liquids. <b>2007</b> , 111, 6452-6	233
1106	Molecular dynamics simulation of nanostructural organization in ionic liquid/water mixtures. <b>2007</b> , 111, 4812-8	395
1105	Development of cation/anion "interaction" scales for ionic liquids through ESI-MS measurements. <b>2007</b> , 111, 598-604	166
1104	Density, Viscosity, Speed of Sound, and Electrolytic Conductivity for the Ionic Liquid 1-Hexyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide and Its Mixtures with Water. <b>2007</b> , 52, 2331-2338	201
1103	How to Make Ionic Liquids More Liquid. <b>2007</b> , 320-334	5
1102	Ionic Liquids. <b>2007</b> ,	6

1101	Templating behavior of a long-chain ionic liquid in the hydrothermal synthesis of mesoporous silica. <b>2007</b> , 23, 1489-95	155
1100	Concentration-dependent dual behavior of hydrophilic ionic liquid in changing properties of aqueous sodium dodecyl sulfate. <b>2007</b> , 111, 13307-15	117
1099	Vibrational spectroscopy and dynamics of azide ion in ionic liquid and dimethyl sulfoxide water mixtures. <b>2007</b> , 111, 4901-9	48
1098	. <b>2007</b> ,	53
1097	Characterizing ionic liquids as reaction media through a chemical probe. <b>2007</b> , 13, 1834-41	11
1096	A comparative study on absorption and selectivity of organic vapors by using ionic liquids based on imidazolium, quaternary ammonium, and guanidinium cations. <b>2007</b> , 13, 8470-7	29
1095	Solvent-reversible poration in ionic liquid copolymers. <b>2007</b> , 46, 2440-3	113
1094	Ionothermal synthesis of unusual choline-templated cobalt aluminophosphates. <b>2007</b> , 46, 7839-43	125
1093	Solvent-Reversible Poration in Ionic Liquid Copolymers. <b>2007</b> , 119, 2492-2495	41
1092	Ionothermal Synthesis of Unusual Choline-Templated Cobalt Aluminophosphates. <b>2007</b> , 119, 7985-7989	26
1091	Enantioselective Carbonyl-Ene Reactions of Arylglyoxals with a Chiral Palladium(II)-BINAP Catalyst. <b>2007</b> , 349, 1781-1795	22
1090	Josiphos Ligands with an Imidazolium Tag and their Application for the Enantioselective Hydrogenation in Ionic Liquids. <b>2007</b> , 349, 1803-1807	41
1089	Oxidative Desulfurization of Azole-2-thiones with Benzoyl Peroxide: Syntheses of Ionic Liquids and Other Azolium Salts. <b>2007</b> , 2007, 2825-2838	31
1088	Determination of aqueous inclusion complexation constants and stoichiometry of alkyl(methyl)-methylimidazolium-based ionic liquid cations and neutral cyclodextrins by affinity capillary electrophoresis. <b>2007</b> , 30, 751-60	30
1087	A review of ionic liquids towards supercritical fluid applications. <b>2007</b> , 43, 150-180	591
1086	Reactivity of ionic liquids. <b>2007</b> , 63, 2363-2389	522
1085	Amine basicity: measurements of ion pair stability in ionic liquid media. <b>2007</b> , 63, 11681-11685	28
1084	Influence of the molecular structure on the aggregation of imidazolium ionic liquids in aqueous solutions. <b>2007</b> , 302, 181-185	134

1083	Probing anion-carbon dioxide interactions in room temperature ionic liquids: Gas phase cluster calculations. <b>2007</b> , 444, 242-246	97
1082	TTA solvation kinetics in the ionic liquid BumimTf2N. <b>2007</b> , 10, 1117-1121	11
1081	Effects of hydrophilic room-temperature ionic liquid 1-butyl-3-methylimidazolium tetrafluoroborate on direct electrochemistry and bioelectrocatalysis of heme proteins entrapped in agarose hydrogel films. <b>2007</b> , 9, 1709-1714	101
1080	Direct preparation of styrene carbonates from styrene using an ionic-liquid-based one-pot multistep synthetic process. <b>2007</b> , 333, 107-113	30
1079	Cross-linked <i>Candida antarctica</i> lipase B is active in denaturing ionic liquids. <b>2007</b> , 40, 1095-1099	118
1078	An overview of the mutual solubilities of water-imidazolium-based ionic liquids systems. <b>2007</b> , 261, 449-454	265
1077	Structural characteristics of alkylimidazolium-based salts containing fluoroanions. <b>2007</b> , 128, 317-331	70
1076	Effect of added ionic liquid on aqueous Triton X-100 micelles. <b>2007</b> , 307, 235-45	156
1075	Structural studies of the phase, aggregation and surface behaviour of 1-alkyl-3-methylimidazolium halide + water mixtures. <b>2007</b> , 307, 455-68	267
1074	Surface tensions of imidazolium based ionic liquids: anion, cation, temperature and water effect. <b>2007</b> , 314, 621-30	369
1073	Lyotropic liquid crystalline phases in a ternary system of 1-hexadecyl-3-methylimidazolium chloride/1-decanol/water. <b>2007</b> , 315, 601-6	34
1072	Modulating properties of aqueous sodium dodecyl sulfate by adding hydrophobic ionic liquid. <b>2007</b> , 316, 803-14	101
1071	Structure and solvation in ionic liquids. <b>2007</b> , 40, 1146-55	290
1070	Biodegradability of imidazolium and pyridinium ionic liquids by an activated sludge microbial community. <b>2007</b> , 18, 481-93	227
1069	Raman Spectroscopy and Ab-Initio Model Calculations on Ionic Liquids. <b>2007</b> , 138, 1045-1075	111
1068	Synthesis and characterization of two ionic liquids with emphasis on their chemical stability towards metallic lithium. <b>2007</b> , 52, 6427-6437	148
1067	Measurement of activity coefficients at infinite dilution in 1-hexadecyl-3-methylimidazolium tetrafluoroborate ionic liquid. <b>2007</b> , 39, 1144-1150	88
1066	Thermal activated (thermal) battery technology: Part II. Molten salt electrolytes. <b>2007</b> , 164, 397-414	162

1065	Structure and thermal property of N,N-diethyl-N-methyl-N-2-methoxyethyl ammonium tetrafluoroborate-H <sub>2</sub> O mixtures. <b>2008</b> , 352, 224-230	25
1064	Theoretical investigation of interactions between glycine cation based ionic liquids and water molecules. <b>2008</b> , 855, 34-39	15
1063	Imidazolium ionic liquids as bifunctional materials (morphology controller and pre-catalyst) for the preparation of xerogel silica. <b>2008</b> , 48, 272-276	28
1062	Effect of Lewis acids on the Diels-Alder reaction in ionic liquids with different activation modes. <b>2008</b> , 21, 264-270	24
1061	Lipase-catalyzed polymerization of L-lactide in ionic liquids. <b>2008</b> , 19, 1396-1400	46
1060	Biomedical applications of imidazolium cation-modified iron oxide nanoparticles. <b>2008</b> , 19, 1421-1429	48
1059	Local organization of water and its effect on the structural heterogeneities in room-temperature ionic liquid/H <sub>2</sub> O mixtures. <b>2008</b> , 39, 233-237	101
1058	Structures of ionic liquids dictate the conversion and selectivity of enzymatic glycerolysis: theoretical characterization by COSMO-RS. <b>2008</b> , 99, 18-29	45
1057	Understanding ionic liquids at the molecular level: facts, problems, and controversies. <b>2008</b> , 47, 654-70	1270
1056	One-Step Ionic-Liquid-Assisted Electrochemical Synthesis of Ionic-Liquid-Functionalized Graphene Sheets Directly from Graphite. <b>2008</b> , 18, 1518-1525	853
1055	Zum Verständnis ionischer Flüssigkeiten auf molekularer Ebene: Fakten, Probleme und Kontroversen. <b>2008</b> , 120, 664-682	157
1054	Interaction of anionic dyes and cationic surfactants with ionic liquid character. <b>2008</b> , 322, 274-80	32
1053	Surface tension of binary mixtures of imidazolium and ammonium based ionic liquids with alcohols, or water: cation, anion effect. <b>2008</b> , 322, 342-50	71
1052	Heat capacities of the mixtures of ionic liquids with methanol at temperatures from 283.15 K to 323.15 K. <b>2008</b> , 40, 203-207	31
1051	Syntheses of high molecular weight aliphatic polyesters in 1-alkyl-3-methylimidazolium ionic liquids. <b>2008</b> , 49, 461-466	31
1050	Purification of undiluted ionic liquids from trace-colored impurities for spectroscopy by octadecylsilyl solid-phase extraction. <b>2008</b> , 60, 245-250	25
1049	Improvement of ferrocene acylation. Conventional vs. microwave heating for scandium-catalyzed reaction in alkylmethylimidazolium-based ionic liquids. <b>2008</b> , 693, 3015-3020	23
1048	Characterization of lamellar phases fabricated from Brij-30/water/1-butyl-3-methylimidazolium salts ternary systems by small-angle X-ray scattering. <b>2008</b> , 318, 175-183	21



1047	Self-organization of imidazolium ionic liquids in aqueous solution. <b>2008</b> , 329, 125-133	307
1046	On the characterization of some [bmim][X]/co-solvent binary mixtures: a multidisciplinary approach by using kinetic, spectrophotometric and conductometric investigations. <b>2008</b> , 64, 672-680	53
1045	Reactivity of anionic nucleophiles in ionic liquids and molecular solvents. <b>2008</b> , 64, 1689-1695	21
1044	Mononuclear rearrangement of heterocycles in ionic liquids catalyzed by copper(II) salts. <b>2008</b> , 64, 11209-11217	7
1043	Ionic liquids from theoretical investigations. <b>2010</b> , 290, 213-62	61
1042	Aggregation of ionic liquids [C(n)mim]Br (n = 4, 6, 8, 10, 12) in D2O: a NMR study. <b>2008</b> , 112, 2031-9	223
1041	Preparation and properties of polyaniline codoped with ionic liquid and dodecyl benzene sulfonic acid or hydrochloric acid. <b>2008</b> , 50, 209-214	13
1040	Nuclear magnetic resonance spectroscopic studies of the trihexyl (tetradecyl) phosphonium chloride ionic liquid mixtures with water. <b>2008</b> , 6, 347-358	26
1039	Hydrothermal synthesis of sheaf-like CuO via ionic liquids. <b>2008</b> , 62, 385-388	70
1038	Synthesis of nanostructure rutile TiO2 in a carboxyl-containing ionic liquid. <b>2008</b> , 62, 4563-4565	31
1037	Toxicity of imidazolium ionic liquids to freshwater algae. <b>2008</b> , 10, 104-110	172
1036	Voltammetric Characterization of the Ferrocene Ferrocenium and Cobaltocenium Cobaltocene Redox Couples in RTILs. <b>2008</b> , 112, 2729-2735	210
1035	New aspects on the hydrogen bond donor (HBD) strength of 1-butyl-3-methylimidazolium room temperature ionic liquids. <b>2008</b> , 32, 1493	142
1034	State-of-the-Art. <b>2008</b> , 413-546	1
1033	Room Temperature Ionic Liquids Assisted Green Synthesis of Nanocrystalline Porous SnO2 and Their Gas Sensor Behaviors. <b>2008</b> , 8, 4165-4172	105
1032	Dielectric spectroscopy: a technique for the determination of water coordination within ionic liquids. <i>Physical Chemistry Chemical Physics</i> , <b>2008</b> , 10, 2947-51	3.6 27
1031	Surface-Enhanced Vibrational Spectroscopy of Tetrafluoroborate 1-n-Butyl-3-methylimidazolium (BMIBF4) Ionic Liquid on Silver Surfaces. <b>2008</b> , 112, 19670-19675	47
1030	Electrochemical reactivity in room-temperature ionic liquids. <b>2008</b> , 108, 2238-64	994

1029	Ionic liquid structure-induced effects on organic reactions. <b>2010</b> , 290, 41-81		37
1028	Nucleophilic Reactions at Cationic Centers in Ionic Liquids and Molecular Solvents. <b>2008</b> , 47, 638-644		60
1027	A hydrogen bond accepting (HBA) scale for anions, including room temperature ionic liquids. <b>2008</b> , 32, 392		234
1026	Ionic liquids in heterocyclic synthesis. <b>2008</b> , 108, 2015-50		575
1025	What keeps ionic liquids in flow?. <i>Physical Chemistry Chemical Physics</i> , <b>2008</b> , 10, 6921-4	3.6	116
1024	Green Chemistry with a Novel 5.8-GHz Microwave Apparatus. Prompt One-Pot Solvent-Free Synthesis of a Major Ionic Liquid: The 1-Butyl-3-methylimidazolium Tetrafluoroborate System. <b>2008</b> , 12, 1089-1093		40
1023	Interaction of water with the model ionic liquid [bmim][BF <sub>4</sub> ]: molecular dynamics simulations and comparison with NMR data. <b>2008</b> , 112, 7826-36		214
1022	Why are ionic liquid ions mainly associated in water? A Car-Parrinello study of 1-ethyl-3-methyl-imidazolium chloride water mixture. <b>2008</b> , 129, 104505		123
1021	A role of ionic liquid as an activator for efficient olefin epoxidation catalyzed by polyoxometalate. <b>2008</b> , 32, 283-289		53
1020	Extraction of alcohols from water with 1-hexyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide. <b>2008</b> , 10, 1301		106
1019	Multiprobe spectroscopic evidence for "hyperpolarity" within 1-butyl-3-methylimidazolium hexafluorophosphate mixtures with tetraethylene glycol. <b>2008</b> , 112, 14927-36		85
1018	First study on the thermo-solvatochromism in aqueous 1-(1-Butyl)-3-methylimidazolium tetrafluoroborate: a comparison between the solvation by an ionic liquid and by aqueous alcohols. <b>2008</b> , 112, 8330-9		46
1017	Solvation of UCl <sub>6</sub> (2-) anionic complex by MeBu <sub>3</sub> N(+), BuMe <sub>2</sub> Im(+), and BuMeIm(+) cations. <b>2008</b> , 47, 5746-55		33
1016	Influence of the enzyme concentration on the phase behaviour for developing a homogeneous enzymatic reaction in ionic liquid/CO <sub>2</sub> media. <b>2008</b> , 10, 1049		26
1015	Equation of state modeling of the phase equilibria of ionic liquid mixtures at low and high pressure. <i>Physical Chemistry Chemical Physics</i> , <b>2008</b> , 10, 6160-8	3.6	39
1014	Partition of horseradish peroxidase with maintained activity in aqueous biphasic system based on ionic liquid. <b>2008</b> , 77, 160-5		66
1013	Structural change of 1-butyl-3-methylimidazolium tetrafluoroborate + water mixtures studied by infrared vibrational spectroscopy. <b>2008</b> , 112, 923-8		195
1012	Ionic liquids/[bmim][N <sub>3</sub> ] mixtures: promising media for the synthesis of aryl azides by SNAr. <b>2008</b> , 73, 6224-8		63

1011	Effect of water on the ionothermal synthesis of molecular sieves. <b>2008</b> , 130, 8120-1	104
1010	Why single-walled carbon nanotubes can be dispersed in imidazolium-based ionic liquids. <b>2008</b> , 2, 2540-6	269
1009	Esterification in ionic liquids: the influence of solvent basicity. <b>2008</b> , 73, 5585-8	55
1008	Electroreduction of Sulfur Dioxide in Some Room-Temperature Ionic Liquids. <b>2008</b> , 112, 3398-3404	42
1007	The Electrochemical Reduction of Hydrogen Sulfide on Platinum in Several Room Temperature Ionic Liquids. <b>2008</b> , 112, 7725-7730	40
1006	Microwave-Assisted Synthesis and Characterization of CuO Nanocrystals. <b>2008</b> , 29, 508-513	18
1005	Electrochemical Reduction of Benzoic Acid and Substituted Benzoic Acids in Some Room Temperature Ionic Liquids. <b>2008</b> , 112, 12966-12973	34
1004	Structure of aqueous solutions of ionic liquid 1-butyl-3-methylimidazolium tetrafluoroborate by small-angle neutron scattering. <b>2008</b> , 112, 2382-7	60
1003	Orientalional ordering of crystal domains in ionic liquid based mixtures. <b>2008</b> , 112, 9841-6	21
1002	How does water affect the dynamics of the room-temperature ionic liquid 1-hexyl-3-methylimidazolium hexafluorophosphate and the fluorescence spectroscopy of Coumarin-153 when dissolved in it?. <b>2008</b> , 112, 1770-6	71
1001	Kemp elimination: a probe reaction to study ionic liquids properties. <b>2008</b> , 73, 3397-403	34
1000	Characterizing the properties of the N7,N9-dimethylguaninium chloride ion pairs: prospecting for the design of a novel ionic liquid. <b>2008</b> , 112, 106-16	9
999	Liquid-vapor equilibrium of the systems butylmethylimidazolium nitrate-CO <sub>2</sub> and hydroxypropylmethylimidazolium nitrate-CO <sub>2</sub> at high pressure: influence of water on the phase behavior. <b>2008</b> , 112, 13532-41	49
998	Prediction of the solvation and structural properties of ionic liquids in water by two-dimensional correlation spectroscopy. <b>2008</b> , 112, 6411-9	181
997	Ordering of Imidazolium-Based Ionic Liquids at the $\beta$ -Quartz(001) Surface: A Molecular Dynamics Study. <b>2008</b> , 112, 19590-19603	72
996	Confinement of 1-butyl-3-methylimidazolium nitrate in metallic silver. <b>2008</b> , 112, 16721-5	50
995	Mechanistic studies on fast ligand substitution reactions of Pt(II) in different ionic liquids: role of solvent polarity and ion-pair formation. <b>2008</b> , 47, 7121-32	26
994	Decrease of droplet size of the reverse microemulsion 1-butyl-3-methylimidazolium tetrafluoroborate/Triton X-100/cyclohexane by addition of water. <b>2008</b> , 112, 3711-9	61

993	Protein structure and dynamics in ionic liquids. Insights from molecular dynamics simulation studies. <b>2008</b> , 112, 2566-72		182
992	Room temperature ionic liquids containing low water concentrations-a molecular dynamics study. <i>Physical Chemistry Chemical Physics</i> , <b>2008</b> , 10, 4240-8	3.6	82
991	Trace of the interesting "V"-shaped dynamic mechanism of interactions between water and ionic liquids. <b>2008</b> , 112, 14251-9		44
990	Effects of water and methanol on the molecular organization of 1-butyl-3-methylimidazolium tetrafluoroborate as functions of pressure and concentration. <b>2008</b> , 129, 044506		45
989	Local structures of water in 1-butyl-3-methylimidazolium tetrafluoroborate probed by high-pressure infrared spectroscopy. <b>2008</b> , 24, 1305-9		15
988	Preparation of FePt Nanoparticles with a Narrow Size Distribution in Ionic Liquids. <b>2008</b> , 37, 1034-1035		8
987	Multi-scale Modeling of Structure, Dynamic and Thermodynamic Properties of Imidazolium-based Ionic Liquids: Ab initio DFT Calculations, Molecular Simulation and Equation of State Predictions. <b>2008</b> , 63, 283-293		19
986	Solvation and microscopic properties of ionic liquid/acetonitrile mixtures probed by high-pressure infrared spectroscopy. <b>2009</b> , 131, 234502		27
985	Preparation and Characterization of Titanium Tetrachloride-Based Ionic Liquids. <b>2009</b> , 156, P49		7
984	Computer simulation study on the structure and spectrum of water in BF <sub>4</sub> <sup>-</sup> solvation shell. <b>2009</b> ,		
983	Simulation Study on the Structure and Dynamics of Water in Sodium Tetrafluoroborate/Water. <b>2009</b> , 22, 460-466		6
982	Nanohybridized Synthesis of Metal Nanoparticles and Their Organization. <b>2009</b> , 3-40		5
981	Actinide and lanthanide speciation in imidazolium-based ionic liquids. <b>2009</b> , 97, 355-359		45
980	Nanosize Copper Dispersed Ionic Liquids As an Electrolyte of New Dye-Sensitized Solar Cells. <b>2009</b> , 2009, 1-4		12
979	Structural change of ionic association in ionic liquid/water mixtures: a high-pressure infrared spectroscopic study. <b>2009</b> , 130, 124503		38
978	The structural organization in aqueous solutions of ionic liquids. <b>2009</b> , 55, 198-205		34
977	Probing intermolecular interactions in ionic liquid-water mixtures by near-infrared spectroscopy. <b>2009</b> , 15, 6889-93		40
976	A study of the influence of ionic liquids properties on the Kemp elimination reaction. <b>2009</b> , 15, 7896-902		33

975	Ionic liquid-based routes to conversion or reuse of recycled ammonium perchlorate. <b>2009</b> , 15, 13441-8	8
974	Visual evidence for formation of water-in-ionic liquid microemulsions. <b>2009</b> , 10, 3204-8	50
973	PMMA Brushes Prepared in an Ionic Liquid. <b>2009</b> , 210, 971-976	8
972	Preparation and characterization of SnO <sub>2</sub> nanoparticles in aqueous solution of [EMIM][EtSO <sub>4</sub> ] as a low cost ionic liquid using ultrasonic irradiation. <b>2009</b> , 195, 63-67	23
971	Ionic liquid-based aqueous two-phase extraction of selected proteins. <b>2009</b> , 64, 288-295	363
970	Driving forces of protein partitioning in an ionic liquid-based aqueous two-phase system. <b>2009</b> , 46, 176-185	154
969	Effect of ionic liquid BMImBr on palladium-catalyzed oxidation of ethylene with LiNO <sub>3</sub> . <b>2009</b> , 97, 191-197	3
968	Dramatic Change in Viscosities of Pure Ionic Liquids upon Addition of Molecular Solvents. <b>2009</b> , 38, 589-600	76
967	Density Functional Theory Study of the Ionic Liquid [emim]OH and Complexes [emim]OH(H <sub>2</sub> O) <sub>n</sub> (n=1,2). <b>2009</b> , 38, 1139-1154	32
966	High-pressure solubility of carbon dioxide in imidazolium-based ionic liquids with anions [PF <sub>6</sub> ] and [BF <sub>4</sub> ]. <b>2009</b> , 26, 1130-1136	37
965	Microwave-assisted preparation of nanocrystalline ZnS in aqueous solutions of [EMIM][EtSO <sub>4</sub> ] as a low-cost ionic liquid, and its characterization and photocatalytic properties. <b>2009</b> , 206, 2529-2535	15
964	Room temperature ionic liquids as templates in the synthesis of mesoporous silica via a sol-gel method. <b>2009</b> , 119, 97-103	88
963	[bmim][OTf]: a versatile room temperature glycosylation promoter. <b>2009</b> , 50, 442-445	36
962	Density and viscosity of 1-butyl-3-methylimidazolium nitrate with ethanol, 1-propanol, or 1-butanol at several temperatures. <b>2009</b> , 41, 1432-1438	151
961	Use of ionic liquids in the platinum- and gold-catalyzed cycloisomerization of enyne systems. <b>2009</b> , 694, 561-565	31
960	Template-free preparation and characterization of nanocrystalline ZnO in aqueous solution of [EMIM][EtSO <sub>4</sub> ] as a low-cost ionic liquid using ultrasonic irradiation and photocatalytic activity. <b>2009</b> , 70, 1353-1358	23
959	Lipase-catalyzed glycerolysis in ionic liquids directed towards diglyceride synthesis. <b>2009</b> , 44, 1358-1365	33
958	Synthesis of magnetite nanoparticle aqueous dispersions in an ionic liquid containing acrylic acid anion. <b>2009</b> , 332, 98-102	24

957	Explaining the differential solubility of flue gas components in ionic liquids from first-principle calculations. <b>2009</b> , 113, 4739-43	49
956	Microemulsions of N-alkylimidazolium ionic liquid and their performance as microreactors for the photocycloaddition of 9-substituted anthracenes. <b>2009</b> , 25, 5484-90	23
955	Comparison of the blue-shifted C-D stretching vibrations for DMSO-d(6) in imidazolium-based room temperature ionic liquids and in water. <b>2009</b> , 113, 5978-84	64
954	Polymer molecular weight-dependent unusual fluorescence probe behavior within 1-butyl-3-methylimidazolium hexafluorophosphate+poly(ethylene glycol). <b>2009</b> , 113, 7606-14	40
953	Formation of Polyimide Nanoparticles in Heterophase with an Ionic Liquid as Continuous Phase. <b>2009</b> , 42, 7846-7853	29
952	p-Nitrophenolate: a probe for determining acid strength in ionic liquids. <b>2009</b> , 74, 1952-6	30
951	Existence of nearly-free hydrogen bonds in an ionic liquid, N,N-diethyl-N-methyl-N-(2-methoxyethyl) ammonium tetrafluoroborate-water at 77 K. <b>2009</b> , 113, 8091-5	33
950	Interaction between ionic liquids and beta-cyclodextrin: a discussion of association pattern. <b>2009</b> , 113, 231-8	44
949	Inhibition of amyloid formation by ionic liquids: ionic liquids affecting intermediate oligomers. <b>2009</b> , 10, 2468-75	64
948	To probe the interaction of methanol and acetonitrile with the ionic liquid N,N,N-Trimethyl-N-propyl ammonium bis(trifluoromethanesulfonyl) imide at different temperatures by solvation dynamics study. <b>2009</b> , 113, 8626-34	30
947	Aqueous solution of [bmim][PF6]: ion and solvent effects on structure and dynamics. <b>2009</b> , 113, 4799-806	38
946	Photoinduced oxidation of water to oxygen in the ionic liquid BMIMBF4 as the counter reaction in the fabrication of exceptionally long semiconducting silver-tetracyanoquinodimethane nanowires. <b>2009</b> , 131, 4279-87	68
945	Insight into the intermolecular interactions in [Bmim]BF4/[Amim]Cl-ethanol-water mixtures by near-infrared spectroscopy. <b>2009</b> , 113, 12332-6	19
944	Acute toxicity of ionic liquids for three freshwater organisms: Pseudokirchneriella subcapitata, Daphnia magna and Danio rerio. <b>2009</b> , 72, 1170-6	227
943	Effect of water on structure of hydrophilic imidazolium-based ionic liquid. <b>2009</b> , 113, 10817-24	100
942	Carbon Dioxide Solubility in the Homologous 1-Alkyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide Family. <b>2009</b> , 54, 382-386	122
941	Insight into the Intermolecular Interactions in Ionic Liquid-Ethanol-Water Mixtures by Near-Infrared Spectroscopy. <b>2009</b> , 223, 849-856	3
940	Modified thermodynamics in ionic liquids for controlled electrocrystallization of nanocubes, nanowires, and crystalline thin films of silver-tetracyanoquinodimethane. <b>2009</b> , 131, 16195-205	45

939	Electrochemistry of Room-Temperature Ionic Liquids and Melts. <b>2009</b> , 63-174		36
938	Charge screening in the S(N)2 reaction of charged electrophiles and charged nucleophiles: an ionic liquid effect. <b>2009</b> , 74, 1864-8		88
937	Synthesis, purification and characterization of ionic liquids. <b>2010</b> , 290, 1-40		56
936	Optical spectroscopy and ionic liquids. <b>2010</b> , 290, 285-310		16
935	Electrochemistry in Room-Temperature Ionic Liquids: Potential Windows at Mercury Electrodes. <b>2009</b> , 54, 2049-2053		78
934	In situ attenuated total reflection infrared spectroscopy of imidazolium-based room-temperature ionic liquids under "supercritical" CO(2). <b>2009</b> , 113, 114-22		97
933	Multiprobe spectroscopic investigation of molecular-level behavior within aqueous 1-butyl-3-methylimidazolium tetrafluoroborate. <b>2009</b> , 113, 3088-98		46
932	Acute toxic effects of ionic liquids on zebra mussel ( <i>Dreissena polymorpha</i> ) survival and feeding. <b>2009</b> , 11, 548		69
931	Interaction of water highly diluted in 1-alkyl-3-methyl imidazolium ionic liquids with the PF6(-) and BF4(-) anions. <b>2009</b> , 113, 2873-89		107
930	An old reaction in new media: kinetic study of a platinum(II) substitution reaction in ionic liquids. <b>2009</b> , 4115-21		24
929	Phase behaviour of trihexyl(tetradecyl)phosphonium chloride, nonane and water. <b>2009</b> , 11, 780		22
928	Silver nanoparticles behave as hydrophobic solutes towards the liquid water structure in the interaction shell. A Raman study in the O-H stretching region. <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 11258-63	3.6	13
927	X-ray reflectometry studies on the effect of water on the surface structure of [C4mpyr][NTf2] ionic liquid. <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 11507-14	3.6	38
926	Kinetics and Thermodynamics of Hydrogen Oxidation and Oxygen Reduction in Hydrophobic Room-Temperature Ionic Liquids. <b>2009</b> , 156, B943-B954		23
925	Ionic liquids and their interaction with cellulose. <b>2009</b> , 109, 6712-28		1125
924	Supramolecular effects involving the incorporation of guest substrates in imidazolium ionic liquid networks: Recent advances and future developments. <b>2009</b> , 21, 245-263		57
923	Conductivities of Binary Mixtures of Ionic Liquids with Polar Solvents. <b>2009</b> , 54, 472-479		228
922	Influence of water on diffusion in imidazolium-based ionic liquids: a pulsed field gradient NMR study. <b>2009</b> , 113, 6353-9		93

921	Morphology Change of Silver Deposit from BMITFSI Ionic Liquid. <b>2009</b> , 77, 645-646	3
920	State-Resolved Scattering at Room-Temperature Ionic Liquid/Vacuum Interfaces: Anion Dependence and the Role of Dynamic versus Equilibrium Effects. <b>2010</b> , 1, 674-678	33
919	The influence of water on the structural and transport properties of model ionic liquids. <b>2010</b> , 132, 234510	48
918	Separation of xylose and glucose on different silica-confined ionic liquid stationary phases. <b>2010</b> , 677, 162-8	48
917	Innovative chemically bonded ionic liquids-based sol-gel coatings as highly porous, stable and selective stationary phases for solid phase microextraction. <b>2010</b> , 683, 96-106	61
916	Transport of salicylic acid through supported liquid membrane based on ionic liquids. <b>2010</b> , 76, 8-14	28
915	Theoretical investigation on the structural and electronic properties of complexes formed by N7,N9-dimethylguaninium and different anions. <b>2010</b> , 939, 82-90	5
914	Testing and evaluation of room temperature ionic liquid (RTIL) membranes for gas dehumidification. <b>2010</b> , 355, 7-17	58
913	Partitioning of acidic, basic and neutral amino acids into imidazolium-based ionic liquids. <b>2010</b> , 39, 167-74	32
912	Study on the Conductivities of Pure and Aqueous Bromide-Based Ionic Liquids at Different Temperatures. <b>2010</b> , 39, 1877-1887	15
911	Thermal stability and crystallization of N-alkyl-N-alkyl?-pyrrolidinium imides. <b>2010</b> , 102, 685-693	26
910	Spectroscopic and computational insight into the intermolecular interactions between Zwitter-type ionic liquids and water molecules. <b>2010</b> , 11, 1711-7	8
909	The electrode/ionic liquid interface: electric double layer and metal electrodeposition. <b>2010</b> , 11, 2764-78	119
908	nBuLi-Mediated Hydrophosphination: A Simple Route to Valuable Organophosphorus Compounds. <b>2010</b> , 2010, 1562-1568	16
907	Vibrational Spectroscopy for Studying Hydrogen Bonding in Imidazolium Ionic Liquids and their Mixtures with Cosolvents. <b>2010</b> , 341-352	4
906	The role of hydrogen atoms in interactions involving imidazolium-based ionic liquids. <b>2010</b> , 972, 22-34	128
905	Hydrothermal and template-free preparation and characterization of nanocrystalline ZnS in presence of a low-cost ionic liquid and photocatalytic activity. <b>2010</b> , 42, 1973-1978	19
904	Ultrasonic-assisted preparation and characterization of CdS nanoparticles in the presence of a halide-free and low-cost ionic liquid and photocatalytic activity. <b>2010</b> , 71, 1393-1397	24



903	Effect of water in ionic liquid on the separation performance of supported ionic liquid membrane for CO <sub>2</sub> /N <sub>2</sub> . <b>2010</b> , 350, 279-285	90
902	Interaction of water diluted in 1-butyl-3-methyl imidazolium ionic liquids by vibrational spectroscopy modeling. <b>2010</b> , 153, 57-66	46
901	Physical and electrochemical properties of ionic liquids 1-ethyl-3-methylimidazolium tetrafluoroborate, 1-butyl-3-methylimidazolium trifluoromethanesulfonate and 1-butyl-1-methylpyrrolidinium bis(trifluoromethylsulfonyl)imide. <b>2010</b> , 157, 43-50	177
900	Phase behaviour and physico-chemical properties of the binary systems {1-ethyl-3-methylimidazolium thiocyanate, or 1-ethyl-3-methylimidazolium tosylate+water, or+an alcohol}. <b>2010</b> , 294, 72-83	72
899	Purification of ionic liquids by supercritical CO <sub>2</sub> monitored by infrared spectroscopy. <b>2010</b> , 55, 395-400	16
898	Recent advances of enzymatic reactions in ionic liquids. <b>2010</b> , 48, 295-314	392
897	Experimental kinetic analysis of ethylene absorption in ionic liquid [Bmim]NO <sub>3</sub> with dissolved AgNO <sub>3</sub> by a semi-continuous process. <b>2010</b> , 158, 384-392	16
896	Addition effects of imidazolium salts on mesophase structure and optical properties of concentrated hydroxypropyl cellulose aqueous solutions. <b>2010</b> , 42, 232-241	16
895	Experimental and computational study on the properties of pure and water mixed 1-ethyl-3-methylimidazolium L-(+)-lactate ionic liquid. <b>2010</b> , 114, 5795-809	28
894	Spectroscopic and photophysical properties of ZnTPP in a room temperature ionic liquid. <b>2010</b> , 114, 11471-6	11
893	Temperature-dependent solvatochromic probe behavior within ionic liquids and (ionic liquid + water) mixtures. <b>2010</b> , 114, 8118-25	62
892	Excited state intramolecular proton transfer reaction of 4'-N,N-diethylamino-3-hydroxyflavone and solvation dynamics in room temperature ionic liquids studied by optical Kerr gate fluorescence measurement. <b>2010</b> , 114, 11847-58	76
891	Chemoselective and Enantioselective Hydrogenations on Immobilized Complexes. <b>2010</b> , 283-359	2
890	The dipolarity/polarisability of 1-alkyl-3-methylimidazolium ionic liquids as function of anion structure and the alkyl chain length. <b>2010</b> , 34, 1135	119
889	Ionic Liquid/Water Mixtures: Enhanced Kw for Efficient Cellulosic Biomass Conversion. <b>2010</b> , 24, 2410-2417	131
888	MOLECULAR DYNAMICS SIMULATION ON THE STRUCTURE AND DYNAMICS OF WATER IN THE 1-BUTYL-3-METHYLIMIDAZOLIUM TETRAFLUOROBORATE/WATER MIXTURE. <b>2010</b> , 09, 573-584	4
887	Probing the interaction of 1-ethyl-3-methylimidazolium ethyl sulfate ([Emim][EtSO <sub>4</sub> ]) with alcohols and water by solvent and rotational relaxation. <b>2010</b> , 114, 2779-89	63
886	The effect of the ionic liquid anion in the pretreatment of pine wood chips. <b>2010</b> , 12, 672	273

885	Densities and Viscosities of Pure 1-Methyl-3-octylimidazolium Nitrate and Its Binary Mixtures with Alcohols at Several Temperatures. <b>2010</b> , 55, 3901-3908	35
884	The Conductivity of Imidazolium-Based Ionic Liquids from (248 to 468) K. B. Variation of the Anion□ <b>2010</b> , 55, 1774-1778	148
883	Density and Surface Tension of Ionic Liquids [Cnpy][NTf2] (n = 2, 4, 5). <b>2010</b> , 55, 4928-4930	75
882	Ether-bond-containing ionic liquids and the relevance of the ether bond position to transport properties. <b>2010</b> , 114, 12488-94	75
881	Investigation of binary and ternary systems of ionic liquids with water and/or supercritical CO2 by in situ attenuated total reflection infrared spectroscopy. <b>2010</b> , 114, 2111-7	24
880	What determines the miscibility of ionic liquids with water? Identification of the underlying factors to enable a straightforward prediction. <b>2010</b> , 114, 2856-68	83
879	Modification and implications of changes in electrochemical responses encountered when undertaking deoxygenation in ionic liquids. <b>2010</b> , 82, 3856-61	52
878	Electronic and steric effects: how do they work in ionic liquids? The case of benzoic acid dissociation. <b>2010</b> , 75, 4828-34	14
877	Ordering in Mixtures of a Triblock Copolymer with a Room Temperature Ionic Liquid. <b>2010</b> , 43, 10528-10535	48
876	Thermodynamic, structural and transport properties of tetramethyl ammonium fluoride: first principles molecular dynamics simulations of an unusual ionic liquid. <b>2010</b> , 114, 12577-84	35
875	Surfactant-mediated ion exchange and charge reversal at ionic liquid interfaces. <b>2010</b> , 114, 11502-8	13
874	Self-assembled inverted micelles stabilize ionic liquid domains in supercritical CO2. <b>2010</b> , 132, 12511-6	54
873	Probing electron density of H-bonding between cation-anion of imidazolium-based ionic liquids with different anions by vibrational spectroscopy. <b>2010</b> , 114, 2828-33	106
872	Hydrogen bonding interactions between a representative pyridinium-based ionic liquid [BuPy][BF4] and water/dimethyl sulfoxide. <b>2010</b> , 114, 8689-700	97
871	Trace of the thermally induced evolution mechanism of interactions between water and ionic liquids. <b>2010</b> , 114, 9209-19	23
870	Polymerized Ionic Liquid Sorbents for CO2 Separation. <b>2010</b> , 24, 5797-5804	36
869	Self-aggregation behavior of fluorescent carbazole-tailed imidazolium ionic liquids in aqueous solutions. <b>2010</b> , 114, 340-8	87
868	Microwave-assisted preparation and characterization of Zn1□Cd <sub>x</sub> S nanoparticles in presence of an ionic liquid and their photocatalytic activities. <b>2010</b> , 496, 650-655	26

867	Optimised microwave-assisted synthesis of methylcarbonate salts: a convenient methodology to prepare intermediates for ionic liquid libraries. <b>2010</b> , 12, 407-413		30
866	The hydrogen bonding interactions between the ionic liquid 1-ethyl-3-methylimidazolium ethyl sulfate and water. <b>2010</b> , 114, 4747-54		193
865	Solid and liquid charge-transfer complex formation between 1-methylnaphthalene and 1-alkyl-cyanopyridinium bis{(trifluoromethyl)sulfonyl}imide ionic liquids. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 1842-53	3.6	36
864	Aryl azides formation under mild conditions: a kinetic study in some ionic liquid solutions. <b>2010</b> , 75, 767-71		35
863	Microscopic study of ionic liquid-H <sub>2</sub> O systems: alkyl-group dependence of 1-alkyl-3-methylimidazolium cation. <b>2010</b> , 114, 6323-31		71
862	Liquid-Liquid Equilibrium of Mixtures of Imidazolium-Based Ionic Liquids with Propanediols or Glycerol. <b>2010</b> , 49, 4850-4857		51
861	Mutual solubility of water and structural/positional isomers of N-alkylpyridinium-based ionic liquids. <b>2010</b> , 114, 15925-34		69
860	Ionic Liquids. <b>2010</b> ,		60
859	Thermo-solvatochromism in binary mixtures of water and ionic liquids: on the relative importance of solvophobic interactions. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 1764-71	3.6	25
858	Microbial biodegradation and metabolite toxicity of three pyridinium-based cation ionic liquids. <b>2010</b> , 12, 701		84
857	Lanthanoid assisted self-assembly of imidazolium cations in organic bi-layers. <b>2010</b> , 12, 1869		25
856	The role of the cell wall in the toxicity of ionic liquids to the alga <i>Chlamydomonas reinhardtii</i> . <b>2010</b> , 12, 1066		26
855	A novel stabilisation model for ruthenium nanoparticles in imidazolium ionic liquids: in situ spectroscopic and labelling evidence. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 4217-23	3.6	65
854	Water structure at solid surfaces and its implications for biomolecule adsorption. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 14383-404	3.6	58
853	Silver-free synthesis of nitrate-containing room-temperature ionic liquids. <b>2011</b> , 35, 909		12
852	Computational studies of room temperature ionic liquid-water mixtures. <b>2011</b> , 47, 6228-41		96
851	Nanostructure changes in protic ionic liquids (PILs) through adding solutes and mixing PILs. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 13501-9	3.6	93
850	The molecular characteristics dominating the solubility of gases in ionic liquids. <b>2011</b> , 40, 3802-23		151

849	Self-assembling imidazolium-based ionic liquid in rigid nanopores induces anomalous CO <sub>2</sub> adsorption at low pressure. <b>2011</b> , 27, 7991-5	16
848	Study on hydroxylammonium-based ionic liquids. I. Characterization. <b>2011</b> , 115, 12473-86	42
847	Thermal and structural properties of ethylammonium chloride and its mixture with water. <b>2011</b> , 115, 4887-99	32
846	Ionic liquid-enhanced photooxidation of water using the polyoxometalate anion [P <sub>2</sub> W <sub>18</sub> O <sub>62</sub> ](6-) as the sensitizer. <b>2011</b> , 50, 5899-909	36
845	Quantum state resolved scattering from room-temperature ionic liquids: the role of cation versus anion structure at the interface. <b>2011</b> , 115, 9764-73	17
844	Stokes shift dynamics in (ionic liquid + polar solvent) binary mixtures: composition dependence. <b>2011</b> , 115, 4011-24	46
843	On the decoupling of relaxation modes in a molecular liquid caused by isothermal introduction of 2 nm structural inhomogeneities. <b>2011</b> , 115, 13994-9	13
842	Electrochemistry of Hg(II) salts in room-temperature ionic liquids. <b>2011</b> , 115, 2574-81	2
841	Hydrogen bonding behaviors of binary systems containing the ionic liquid 1-butyl-3-methylimidazolium trifluoroacetate and water/methanol. <b>2011</b> , 115, 11127-36	103
840	Activity Coefficients at Infinite Dilution in Methylimidazolium Nitrate Ionic Liquids. <b>2011</b> , 56, 517-520	21
839	CO <sub>2</sub> capture by hydrocarbon surfactant liquids. <b>2011</b> , 47, 1033-5	41
838	Crystal polymorphism of propylammonium chloride and structural properties of its mixture with water. <b>2011</b> , 115, 11805-15	15
837	Multiple equilibria interaction pattern between the ionic liquids C(n)mimPF <sub>6</sub> and $\beta$ -cyclodextrin in aqueous solutions. <b>2011</b> , 115, 11852-61	17
836	Effects of Nucleators on the Thermodynamic Properties of Seasonal Energy Storage Materials Based on Ionic Liquids. <b>2011</b> , 25, 1811-1816	33
835	Binary Ionic Liquids with a Common Cation: Insight into Nanoscopic Mixing by Infrared Spectroscopy. <b>2011</b> , 2, 2959-2964	37
834	Microwave-Assisted Preparation of CdS Nanoparticles in a Halide-Free Ionic Liquid and Their Photocatalytic Activities. <b>2011</b> , 32, 933-938	15
833	Depolarization of water in protic ionic liquids. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 15083-93	3.6 59
832	Effect of nitrate, perchlorate, and water on uranyl(VI) speciation in a room-temperature ionic liquid: a spectroscopic investigation. <b>2011</b> , 50, 8302-7	27

831	Nanostructured protic ionic liquids retain nanoscale features in aqueous solution while precursor Brønsted acids and bases exhibit different behavior. <b>2011</b> , 115, 2055-66		114
830	Significant changes of the charge distribution at the surface of an ionic liquid due to the presence of small amounts of water. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 21301-7	3.6	25
829	Basic Ionic Liquid as Catalyst for the Efficient and Green Synthesis of 2-Amino-3-nitrobenzonitriles in Ethanol. <b>2011</b> , 41, 1410-1420		9
828	Molecular dynamics simulations of carbon dioxide and water at an ionic liquid interface. <b>2011</b> , 115, 10488-99		61
827	Peculiar Concentration Dependence of H/D Exchange Reaction in 1-Butyl-3-methylimidazolium Tetrafluoroborate-D <sub>2</sub> O Mixtures. <b>2011</b> , 01, 70-76		15
826	Influence of structural variations in cationic and anionic moieties on the polarity of ionic liquids. <b>2011</b> , 115, 9653-61		113
825	Structural characterization and DFT study of V(IV)O(acac) <sub>2</sub> in imidazolium ionic liquids. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 15094-102	3.6	19
824	Effect of protic ionic liquids (PILs) on the formation of non-ionic dodecyl poly(ethylene oxide) surfactant self-assembly structures and the effect of these surfactants on the nanostructure of PILs. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 20441-52	3.6	36
823	Ionic liquids-assisted synthesis and electrochemical properties of Bi <sub>2</sub> S <sub>3</sub> nanostructures. <b>2011</b> , 13, 3072		78
822	Molecular dynamics study of polysaccharides in binary solvent mixtures of an ionic liquid and water. <b>2011</b> , 115, 10251-8		71
821	A quick and green approach to prepare [Rmim]OH and its application in hydrophilic ionic liquid synthesis. <b>2011</b> , 35, 1661		11
820	XPS analysis of activated carbon supported ionic liquids: Enhanced purity and reduced charging. <b>2011</b> , 605, 1979-1985		19
819	Radiation and radical chemistry of NO <sub>3</sub> (-), HNO <sub>3</sub> , and dialkylphosphoric acids in room-temperature ionic liquids. <b>2011</b> , 115, 10927-42		34
818	Static Relative Dielectric Permittivities of Ionic Liquids at 25 °C. <b>2011</b> , 56, 1494-1499		201
817	Efficient recycling of a chiral palladium catalytic system for asymmetric allylic substitutions in ionic liquid. <b>2011</b> , 47, 7869-71		18
816	Solid-State Structures of Double-Long-Chain Imidazolium Ionic Liquids: Influence of Anion Shape on Cation Geometry and Crystal Packing. <b>2011</b> , 11, 1974-1988		45
815	Supramolecular Structures in the Presence of Ionic Liquids. <b>2011</b> ,		3
814	How to remove the influence of trace water from the absorption spectra of SWNTs dispersed in ionic liquids. <b>2011</b> , 2, 653-8		7

813	Theoretical Study of Ionic Liquids on the Difference of Melting Points between Tertiary and Quaternary Ammonium Triflates. <b>2011</b> , 40, 690-692	3
812	Cation-Anion-Water interactions in aqueous mixtures of imidazolium based ionic liquids. <b>2011</b> , 55, 119-125	75
811	Lyotropic liquid crystalline phases formed by phyosterol ethoxylates in room-temperature ionic liquids. <b>2011</b> , 392, 225-232	24
810	Room-temperature ionic liquids: solvents for synthesis and catalysis. 2. <b>2011</b> , 111, 3508-76	3373
809	Ionic liquid pretreatment of lignocellulosic biomass with ionic liquid-water mixtures. <b>2011</b> , 13, 2489	376
808	Salts dissolved in salts: ionic liquid mixtures. <b>2011</b> , 2, 1491	164
807	Direct synthesis of cyclic carbonates from olefins and CO <sub>2</sub> catalyzed by a MoO <sub>2</sub> (acac) <sub>2</sub> -quaternary ammonium salt system. <b>2011</b> , 13, 2518	64
806	Determination of aluminum ion with morin in a medium comprised by ionic liquid-water mixtures. <b>2011</b> , 21, 43-50	12
805	Epoxidation of Butadiene with Hydrogen Peroxide Catalyzed by the Salts of Phosphotungstate Anions: Relation Between Catalytic Activity and Composition of Intermediate Peroxo Complexes. <b>2011</b> , 141, 1442-1450	12
804	Glass transition behaviour of ionic liquid, 1-butyl-3-methylimidazolium tetrafluoroborate-H <sub>2</sub> O mixed solutions. <b>2011</b> , 43, 410-412	31
803	Structure of water at ionic liquid/Ag interface probed by surface enhanced Raman spectroscopy. <b>2011</b> , 54, 200-204	5
802	Recent trends in the use of polyoxometalate-based material for efficient water oxidation. <b>2011</b> , 54, 1877-1887	18
801	Volumetric and transport properties of N-Butyl-N-methylpyrrolidinium bis(Trifluoromethanesulfonyl)imide-methanol binary mixtures. <b>2011</b> , 17, 343-352	13
800	Tailored Media for Homogeneous Cellulose Chemistry: Ionic Liquid/Co-Solvent Mixtures. <b>2011</b> , 296, 483-493	122
799	Novel solid-state Li/LiFePO <sub>4</sub> battery configuration with a ternary nanocomposite electrolyte for practical applications. <b>2011</b> , 23, 5081-5	95
798	Electrochemical Synthesis of Metal Alloys for Magnetic Recording Systems. <b>2011</b> , 459-476	2
797	The Effect of the Cation Surface Area on the 3D Organization and Catalytic Ability of Imidazolium-Based Ionic Liquids. <b>2011</b> , 2011, 5681-5689	35
796	Electrochemical Quantification of Hygroscopicity of Ionic Liquids with Solution-Dissolved Potassium Ferricyanide as the Redox Probe. <b>2011</b> , 23, 2870-2877	9

795	Thermomorphic behavior of the ionic liquids [C4mim][FeCl4] and [C12mim][FeCl4]. <b>2011</b> , 12, 364-8	47
794	Polarity behaviour and specific interactions of imidazolium-based ionic liquids in ethylene glycol. <b>2011</b> , 12, 836-45	28
793	Temperature dependence of the viscosity and conductivity of mildly functionalized and non-functionalized [Tf2N](-) ionic liquids. <b>2011</b> , 12, 2296-310	75
792	Surface-functionalized ionic liquid crystal-supported ionic liquid phase materials: ionic liquid crystals in mesopores. <b>2011</b> , 12, 3539-46	17
791	Overshooting effect of poly(dimethylaminoethyl methacrylate) hydrogels. <b>2011</b> , 120, 2027-2033	22
790	Polymer-supported ionic-liquid-like phases (SILLPs): transferring ionic liquid properties to polymeric matrices. <b>2011</b> , 17, 1894-906	73
789	Switching micellization of pluronics in water by CO2. <b>2011</b> , 17, 4266-72	21
788	Ionothermal syntheses and crystal structures of two cobalt(II)carboxylate compounds with different topology. <b>2011</b> , 14, 380-383	14
787	Effect of the structure of imidazolium cations in [BF4](-)-type ionic liquids on direct electrochemistry and electrocatalysis of horseradish peroxidase in Nafion films. <b>2011</b> , 87, 61-6	18
786	Raman and NMR spectroscopy study of liquid crystalline ionogel phase in ionic liquid/H2O mixtures: The states of water. <b>2011</b> , 993, 91-96	12
785	Is the ionic liquid 1-ethyl-3-methylimidazolium methanesulfonate [emim][MeSO3] capable of rigidly binding water?. <b>2011</b> , 160, 166-179	63
784	Glass transition behaviour of the quaternary ammonium type ionic liquid, {[DEME][I]+H2O} mixtures. <b>2011</b> , 43, 319-322	9
783	Influence of water on the surface structure of 1-hexyl-3-methylimidazolium chloride. <b>2011</b> , 605, 1402-1411	16
782	A sustainable procedure for highly enantioselective organocatalyzed Diels-Alder cycloadditions in homogeneous ionic liquid/water phase. <b>2011</b> , 52, 1415-1417	30
781	Study on the Structure and Spectrum of Water in 1-Ethyl-3-Methylimidazolium Tetrafluoroborate Ionic Liquids. <b>2011</b> , 271-273, 92-97	
780	Microwave Assisted Synthesis of CuO Nanostructures in Ionic Liquids. <b>2011</b> , 281, 127-131	
779	High-Field EPR Spectroscopic Characterization of Spin Probes in Aqueous Ionic Liquid Mixtures. <b>2012</b> , 226, 1363-1378	13
778	Simple ionic-liquid assisted method for preparation of Cd1-xZnxS nanoparticles with improved photocatalytic activity. <b>2012</b> , 103, 1522-1527	1

777	Investigation on the effect of water on the spectroscopic behaviors of TPPS in acidic imidazolium-based ionic liquids. <b>2012</b> , 16, 1132-1139	3
776	Study of Effect of Water on the Physicochemical Properties of 1-Buthyl-3-Methylimidazolium Chloride Ionic Liquids. <b>2012</b> , 549, 152-156	9
775	Concentration measurements in ionic liquid-water mixtures by mid-infrared spectroscopy and indirect hard modeling. <b>2012</b> , 66, 208-17	17
774	Ionic Liquids and Proteins: Academic and Some Practical Interactions. <b>2012</b> , 15-71	5
773	Ionic Liquids as Green Solvents: Progress and Prospects. <b>2012</b> , 1-32	35
772	Intermolecular/interionic vibrations of 1-methyl-3-n-octylimidazolium tetrafluoroborate ionic liquid and H <sub>2</sub> O mixtures. <b>2012</b> , 116, 13765-73	38
771	Ionic liquid surfactants. <b>2012</b> , 82, 1916-1927	13
770	One-step electrosynthesis of poly(3,4-ethylenedioxy-thiophene)ethylsulfate matrix for fabricating vitamin C electrochemical biosensor and its determination in commercial juices. <b>2012</b> , 16, 3725-3738	12
769	Some Aspects of Ionic Liquids as Diverse and Versatile Sustainable Solvents. <b>2012</b> , 41, 1673-1695	14
768	Ionic liquid-based hydrothermal synthesis and luminescent properties of CaF <sub>2</sub> :Ce <sup>3+</sup> /Mn <sup>2+</sup> nanocrystals. <b>2012</b> , 14, 1	7
767	Application of VIVO(acac) <sub>2</sub> type complexes in the desulfurization of fuels with ionic liquids. <b>2012</b> , 196, 119-125	10
766	Electrosynthesis of poly(3-methylthiophene) films: salt effect on the electrochemical and impedance properties. <b>2012</b> , 9, 999-1005	8
765	Experimental and theoretical investigation of proton exchange reaction between protic ionic liquid diethylmethylammonium trifluoromethanesulfonate and H <sub>2</sub> O. <b>2012</b> , 552, 58-63	13
764	Chain confinement promotes $\pi$ -phase formation in polyfluorene-based photoluminescent ionogels. <b>2012</b> , 48, 3742-4	38
763	Investigation of the local structure of mixtures of an ionic liquid with polar molecular species through molecular dynamics: cluster formation and angular distributions. <b>2012</b> , 116, 5941-50	22
762	Electrochemical probing of the photoreduction of molybdenum and tungsten Dawson-type polyoxometalates in molecular and ionic liquid media using water as an electron donor. <b>2012</b> , 41, 9944-54	15
761	Oxidation of sulfides to sulfoxides mediated by ionic liquids. <b>2012</b> , 2, 8416	28
760	Influence of the ionic liquid/gas surface on ionic liquid chemistry. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 5071-89	3.6 76



759	Effect of structural variations in cations of ionic liquids on the coexistence curve of isobutyric acid and water. <b>2012</b> , 36, 2266	7
758	Interaction of water vapor with the surfaces of imidazolium-based ionic liquid nanoparticles and thin films. <b>2012</b> , 116, 11255-65	16
757	Hydrated Ionic Liquids with and without Solute: The Influence of Water Content and Protein Solutes. <b>2012</b> , 8, 3911-28	43
756	Anomalous conformational change in 1-butyl-3-methylimidazolium tetrafluoroborate-D2O mixtures. <b>2012</b> , 116, 1208-12	15
755	Factors Influencing the Activity, Selectivity, and Stability of Rh-Based Supported Ionic Liquid Phase (SILP) Catalysts for Hydroformylation of Propene. <b>2012</b> , 2, 487-493	46
754	Anion Effects in the Extraction of Lanthanide 2-Thenoyltrifluoroacetone Complexes into an Ionic Liquid. <b>2012</b> , 47, 233-243	35
753	Study on Thermodynamic Properties of Ionic Liquid N-Butyl-3-methylpyridinium Bis(trifluoromethylsulfonyl)imide. <b>2012</b> , 57, 2185-2190	34
752	Carbon dioxide in 1-butyl-3-methylimidazolium acetate. I. Unusual solubility investigated by Raman spectroscopy and DFT calculations. <b>2012</b> , 116, 1605-20	107
751	Interaction of levitated ionic liquid droplets with water. <b>2012</b> , 116, 14171-7	17
750	Deep eutectic solvents: syntheses, properties and applications. <b>2012</b> , 41, 7108-46	2679
749	Functional heterometallic coordination polymers with metalloligands as tunable luminescent crystalline materials. <b>2012</b> , 22, 19673	26
748	Electron Injection Efficiency in Ru-Dye Sensitized TiO <sub>2</sub> in the Presence of Room Temperature Ionic Liquid Solvents Probed by Femtosecond Transient Absorption Spectroscopy: Effect of Varying Anions. <b>2012</b> , 116, 20213-20219	19
747	Selective extraction and separation of oxymatrine from <i>Sophora flavescens</i> Ait. extract by silica-confined ionic liquid. <b>2012</b> , 880, 108-13	36
746	Isobutane alkylation using acidic ionic liquid catalysts. <b>2012</b> , 26, 68-71	43
745	pH Control of Ionic Liquids with Carbon Dioxide and Water: 1-Ethyl-3-methylimidazolium Acetate. <b>2012</b> , 51, 2524-2530	20
744	Ethanol-assisted, few nanometer, water-in-ionic-liquid reverse micelle formation by a zwitterionic surfactant. <b>2012</b> , 18, 12213-7	25
743	Recovery of ionic liquids with aqueous two-phase systems induced by carbon dioxide. <b>2012</b> , 5, 2255-61	28
742	Determination of water in room temperature ionic liquids by cathodic stripping voltammetry at a gold electrode. <b>2012</b> , 84, 2784-91	70

741	A convenient synthesis of triflate anion ionic liquids and their properties. <b>2012</b> , 17, 5319-38		40
740	Proton transfer and polarity changes in ionic liquid-water mixtures: a perspective on hydrogen bonds from ab initio molecular dynamics at the example of 1-ethyl-3-methylimidazolium acetate-water mixtures--part 1. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 5030-44	3.6	132
739	Electrochemical and Quantum Chemical Investigation of Some Azine and Thiazine Dyes as Potential Corrosion Inhibitors for Mild Steel in Hydrochloric Acid Solution. <b>2012</b> , 51, 12940-12958		113
738	Ionic Liquid Aqueous Solutions under Nanoconfinement. <b>2012</b> , 116, 5394-5400		15
737	Functionalized carbon nanotube-induced viscosity reduction of an ionic liquid and performance improvement of dye-sensitized solar cells. <b>2012</b> , 85, 1-8		34
736	Production of ionic liquids by electrodialysis. <b>2012</b> , 97, 90-95		26
735	FE-SEM observation, and mechanism of interaction of wet agar gel in various swelling conditions using hydrophilic ionic liquid. <b>2012</b> , 136, 816-822		8
734	CO <sub>2</sub> Capture with PEG. <b>2012</b> , 41-53		2
733	Uncovering molecular secrets of ionic liquids. 1-24		9
732	Synthesis, limitations, and thermal properties of energetically-substituted, protonated imidazolium picrate and nitrate salts and further comparison with their methylated analogs. <b>2012</b> , 36, 702-722		35
731	Understanding the interactions between tris(pentafluoroethyl)-trifluorophosphate-based ionic liquid and small molecules from molecular dynamics simulation. <b>2012</b> , 55, 1557-1565		12
730	Structural evolution in a biphasic system: poly(N-isopropylacrylamide) transfer from water to hydrophobic ionic liquid. <b>2012</b> , 2, 11850		9
729	The Role of Confined Water in Ionic Liquid Electrolytes for Dye-Sensitized Solar Cells. <b>2012</b> , 3, 556-9		28
728	Water sorption in ionic liquids: kinetics, mechanisms and hydrophilicity. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 12252-62	3.6	140
727	Mechanism of Lignin Dissolution and Regeneration in Ionic Liquid. <b>2012</b> , 26, 6393-6403		78
726	Capture and Utilization of Carbon Dioxide with Polyethylene Glycol. <b>2012</b> ,		11
725	Solute-solvent hydrogen-bonding in room temperature ionic liquids studied by Raman spectroscopy. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 13676-83	3.6	19
724	Halogen-free chelated orthoborate ionic liquids and organic ionic plastic crystals. <b>2012</b> , 22, 6928		31

723	Water-hydroxyl phases on an open metal surface: breaking the ice rules. <b>2012</b> , 3, 93-102	41
722	Water-clustering in hygroscopic ionic liquids-an implicit solvent analysis. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 5139-46	3.6 44
721	Glass Transition Behavior of the Quaternary Ammonium-Type Ionic Liquid: N,N-Diethyl-N-methyl-N-(2-methoxyethyl)ammonium Bromide-H <sub>2</sub> O Mixtures. <b>2012</b> , 2012, 1-6	
720	. <b>2012</b> ,	34
719	Local structure evolution and its connection to thermodynamic and transport properties of 1-butyl-3-methylimidazolium tetrafluoroborate and water mixtures by molecular dynamics simulations. <b>2012</b> , 116, 3249-63	68
718	Hydrogen bonding in 1-butyl- and 1-ethyl-3-methylimidazolium chloride ionic liquids. <b>2012</b> , 116, 4921-33	139
717	Photoinduced electron transfer in an imidazolium ionic liquid and in its binary mixtures with water, methanol, and 2-propanol: appearance of Marcus-type of inversion. <b>2012</b> , 116, 1335-44	28
716	Chemistry and applications of flavylum compounds: a handful of colours. <b>2012</b> , 41, 869-908	280
715	Ionic Liquid-Modified Porous Materials for Gas Separation and Heterogeneous Catalysis. <b>2012</b> , 116, 16398-16410	10
714	A Novel Method for Dye Removal: Ionic Liquid-Based Dispersive Liquid-Liquid Extraction (IL-DLLE). <b>2012</b> , 40, 290-297	44
713	Glycine in 1-butyl-3-methylimidazolium acetate and trifluoroacetate ionic liquids: effect of fluorination and hydrogen bonding. <b>2012</b> , 13, 1753-63	17
712	NMR investigation of imidazolium-based ionic liquids and their aqueous mixtures. <b>2012</b> , 13, 1339-46	42
711	Binary mixtures of ionic liquids: a joint approach to investigate their properties and catalytic ability. <b>2012</b> , 13, 1877-84	40
710	Insights into tris-(2-hydroxyethyl)methylammonium methylsulfate aqueous solutions. <b>2012</b> , 13, 3340-9	5
709	Ionic liquids can be more hydrophobic than chloroform or benzene. <b>2012</b> , 13, 3102-5	12
708	Dehydration of highly concentrated solutions of fructose to 5-hydroxymethylfurfural in a cheap and sustainable choline chloride/carbon dioxide system. <b>2012</b> , 5, 1223-6	66
707	Soaking of pine wood chips with ionic liquids for reduced energy input during grinding. <b>2012</b> , 14, 1079	32
706	Ionic liquid/water mixtures: from hostility to conciliation. <b>2012</b> , 48, 7119-30	275

705	Do anions influence the polarity of protic ionic liquids?. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 2754-61	3.6	55
704	The first solvation shell of Reichardt's dye in ionic liquids: a semiempirical study. <b>2012</b> , 131, 1		11
703	Theoretical and experimental investigation on dissolution and regeneration of cellulose in ionic liquid. <b>2012</b> , 89, 7-16		82
702	Observation of interactions between hydrophilic ionic liquid and water on wet agar gels by FE-SEM and its mechanism. <b>2012</b> , 133, 565-572		18
701	The role of hydrogen bonding in water-mediated glucose solubility in ionic liquids. <b>2012</b> , 166, 25-30		14
700	Theoretical and experimental investigation of the interactions between [emim]Ac and water molecules. <b>2012</b> , 1015, 147-155		34
699	Synthesis of aryl azides: a probe reaction to study the synergetic action of ultrasounds and ionic liquids. <b>2012</b> , 19, 136-42		24
698	Thermodynamic and spectroscopic studies on binary mixtures of imidazolium ionic liquids in ethylene glycol. <b>2012</b> , 44, 121-127		44
697	Hydrogen bonds: a structural insight into ionic liquids. <b>2012</b> , 18, 2748-61		217
696	Phase separation in mixtures of ionic liquids and water. <b>2012</b> , 13, 160-7		11
695	Probing the microscopic aspects of 1-butyl-3-methylimidazolium trifluoroacetate ionic liquid and its mixture with water and methanol: a photophysical and theoretical (DFT) study. <b>2013</b> , 23, 1217-27		10
694	Monodisperse polymeric ionic liquid microgel beads with multiple chemically switchable functionalities. <b>2013</b> , 29, 9535-43		55
693	Phase transition of poly(N-isopropylacrylamide) in aqueous protic ionic liquids: kosmotropic versus chaotropic anions and their interaction with water. <b>2013</b> , 117, 8430-5		25
692	Theoretical studies of the 1-ethyl-3-methylimidazolium glycine, [EMIM][Gly], ionic liquid-water mixture I. Prediction of the solvation and structural properties. <b>2013</b> , 91, 143-154		4
691	First principle approach to solvation by methylimidazolium-based ionic liquids. <b>2013</b> , 117, 553-62		21
690	Ionic Liquids: New Hopes for Efficient Lanthanide/Actinide Extraction and Separation?. <b>2013</b> , 213-273		58
689	Specific interactions between the quaternary ammonium oligoether-based ionic liquid and water as a function of pressure. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 12734-41	3.6	6
688	Densities, excess molar and partial molar volumes for water+1-butyl- or, 1-hexyl- or, 1-octyl-3-methylimidazolium halide room temperature ionic liquids at T=(298.15 and 308.15) K. <b>2013</b> , 180, 12-18		53

687	Effects of single-wall carbon nanotube confinement on triazolium-based ionic liquid/water mixtures. <b>2013</b> , 356, 63-70	8
686	Effect of Solvation? Complexation of Neodymium(III) with Nitrate in an Ionic Liquid (BumimTf2N) in Comparison with Water. <b>2013</b> , 31, 384-400	22
685	Does the cation really matter? The effect of modifying an ionic liquid cation on an SN2 process. <b>2013</b> , 11, 6170-5	42
684	Structure and dynamics of uranyl(VI) and plutonyl(VI) cations in ionic liquid/water mixtures via molecular dynamics simulations. <b>2013</b> , 117, 10852-68	32
683	Solution and thermal behaviour of novel dicationic imidazolium ionic liquids. <b>2013</b> , 11, 5836-46	36
682	On the High-Pressure Solubilities of Carbon Dioxide in Several Ionic Liquids. <b>2013</b> , 58, 2642-2653	50
681	Electron donor ionic liquids entrapped in anionic and cationic reverse micelles. Effects of the interface on the ionic liquid-surfactant interactions. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 16746-36	19
680	Improved solvation routes for the Bunsen reaction in the sulphur iodine thermochemical cycle: Part I Ionic liquids. <b>2013</b> , 38, 1765-1774	9
679	Effect of ionic liquid on the intrinsic viscosity of polyvinyl pyrrolidone in aqueous solutions. <b>2013</b> , 353, 69-75	11
678	Water effect on physicochemical properties of 1-butyl-3-methylimidazolium based ionic liquids with inorganic anions. <b>2013</b> , 177, 267-272	65
677	Multiple zeolite structures from one ionic liquid template. <b>2013</b> , 19, 2122-30	30
676	Ternary (liquid-liquid) equilibria of nitrate based ionic liquid+alkane+benzene at 298.15K: Experiments and correlation. <b>2013</b> , 341, 35-41	37
675	Probing the importance of ionic liquid structure: a general ionic liquid effect on an S(N)Ar process. <b>2013</b> , 11, 7516-21	46
674	Thermodynamic study on the protonation of glycine in different (water+1-butyl-3-methylimidazolium tetrafluoroborate) mixed solvents and ionic strengths. <b>2013</b> , 67, 163-169	3
673	Enhanced CO2 capture in binary mixtures of 1-alkyl-3-methylimidazolium tricyanomethanide ionic liquids with water. <b>2013</b> , 117, 12234-51	59
672	Ionic Liquids as New Solvents for Textile Fiber Formation and Modification. <b>2013</b> , 36, 1823-1837	15
671	State of hydrophobic and hydrophilic ionic liquids in aqueous solutions: are the ions fully dissociated?. <b>2013</b> , 117, 12556-66	84
670	Hydrogen-bonding interactions between [BMIM][BF4] and acetonitrile. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 18055-64	3.6 121

- 669 Using a combined theoretical and experimental approach to understand the structure and dynamics of imidazolium-based ionic liquids/water mixtures. 2. EXAFS spectroscopy. **2013**, 117, 12516-24 44
- 668 Using a combined theoretical and experimental approach to understand the structure and dynamics of imidazolium-based ionic liquids/water mixtures. 1. MD simulations. **2013**, 117, 12505-15 50
- 667 Stereoselectivity of the Diels-Alder reaction in ionic liquids with cyano moieties: effect of the charge delocalization of anions on the relation of solvent-solvent and solute-solvent interactions. **2013**, 3, 19632 6
- 666 Formal redox potentials of organic molecules in ionic liquids on the basis of quaternary nitrogen cations as adiabatic electron affinities. **2013**, 117, 10834-45 9
- 665 How strong is hydrogen bonding in ionic liquids? Combined X-ray crystallographic, infrared/Raman spectroscopic, and density functional theory study. **2013**, 117, 9094-105 119
- 664 Effect of ionic liquid on the crystallization kinetics behaviour of polymer poly(ethylene oxide). **2013**, 15, 6022 24
- 663 In Situ EQCM Evaluation of the Reaction between Carbon Dioxide and Electrogenerated Superoxide in Ionic Liquids. **2013**, 160, H749-H756 21
- 662 The effect of water on the microstructure and properties of benzene/[bmim][AOT]/[bmim][BF<sub>4</sub>] microemulsions. *Physical Chemistry Chemical Physics*, **2013**, 15, 19301-11 3.6 15
- 661 Liquid-liquid equilibria of imidazolium ionic liquids having bistriflamide or triflate anions with aromatic non-polar and polar compounds. **2013**, 337, 67-72 15
- 660 Deconstruction of lignocellulosic biomass with ionic liquids. **2013**, 15, 550 1054
- 659 Solvent nanostructure, the solvophobic effect and amphiphile self-assembly in ionic liquids. **2013**, 42, 1096-120 282
- 658 Highly selective CO<sub>2</sub> adsorption accompanied with low-energy regeneration in a two-dimensional Cu(II) porous coordination polymer with inorganic fluorinated PF<sub>6</sub>(-) anions. **2013**, 52, 280-5 59
- 657 The roles of betaine-ester analogues of 1-N-alkyl-3-N?-methyl imidazolium salts: as amphotropic ionic liquid crystals and organogelators. **2013**, 3, 25151 13
- 656 Water Sorption in Functionalized Ionic Liquids: Kinetics and Intermolecular Interactions. **2013**, 52, 2073-2083 47
- 655 Green Meets Green: Sustainable solutions of imidazolium and phosphonium ionic liquids with poly(ethylene glycol): Solubility and phase behavior. **2013**, 344, 6-12 20
- 654 Complex fluids in tribology to reduce friction: Mesogenic fluids, ionic liquids and ionic liquid crystals. **2013**, 65, 3-12 22
- 653 The state of water in 1-butyl-1-methyl-pyrrolidinium bis(trifluoromethanesulfonyl)imide and its effect on Zn/Zn(II) redox behavior. **2013**, 97, 289-295 45
- 652 Microwave Frequency Effects in Organic Synthesis. **2013**, 377-423 5

651	A fully integrated continuous-flow system for asymmetric catalysis: enantioselective hydrogenation with supported ionic liquid phase catalysts using supercritical CO <sub>2</sub> as the mobile phase. <b>2013</b> , 19, 4538-47		62
650	Mixture of ionic liquid and carbon nanotubes: comparative studies of the structural characteristics and dispersion of the aggregated non-bundled and bundled carbon nanotubes. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 2482-94	3.6	16
649	Ionic and Molecular Liquids: Working Together for Robust Engineering. <b>2013</b> , 4, 1423-31		89
648	Activation of hydrogen peroxide by ionic liquids: mechanistic studies and application in the epoxidation of olefins. <b>2013</b> , 19, 5972-9		41
647	Porous coordination polymer polymorphs with different flexible pores using a structurally flexible and bent 1,3-bis(4-pyridyl)propane ligand. <b>2013</b> , 52, 4229-37		33
646	Advances in QSPR/QSTR models of ionic liquids for the design of greener solvents of the future. <b>2013</b> , 17, 151-96		116
645	Switching of hydrogen bonds of water in ionic liquid, 1-butyl-3-methylimidazolium tetrafluoroborate. <b>2013</b> , 44, 475-480		10
644	Investigation on physical and electrochemical properties of three imidazolium based ionic liquids (1-hexyl-3-methylimidazolium tetrafluoroborate, 1-ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl) imide and 1-butyl-3-methylimidazolium methylsulfate). <b>2013</b> , 177, 361-368		72
643	Copper impregnated ionic liquid assisted mesoporous titania: visible light photocatalyst. <b>2013</b> , 3, 12678		32
642	Interactions of 1-Ethyl-3-methylimidazolium Trifluoromethanesulfonate Ionic Liquid with Alumina Nanoparticles and Organic Solvents Studied by Infrared Spectroscopy. <b>2013</b> , 117, 12210-12217		37
641	Local Depolarization in Hydrophobic and Hydrophilic Ionic Liquids/Water Mixtures: Car Parrinello and Classical Molecular Dynamics Simulation. <b>2013</b> , 117, 2066-2077		42
640	Ionic liquids as a tool for lignocellulosic biomass fractionation. <b>2013</b> , 1, 3		158
639	Intermolecular/interionic vibrations of 1-methyl-3-n-octylimidazolium tetrafluoroborate ionic liquid and benzene mixtures. <b>2013</b> , 117, 7985-95		25
638	Conductivity and viscosity properties of associated ionic liquids phosphonium orthoborates. <b>2013</b> , 178, 57-62		24
637	Functional ionic liquid [bmim][Sac] mediated synthesis of ferrocenyl thiopropanones via the dual activation of the substrate by the ionic liquid. <b>2013</b> , 3, 3548		23
636	Dielectric relaxation and solvation dynamics in a prototypical ionic liquid + dipolar protic liquid mixture: 1-butyl-3-methylimidazolium tetrafluoroborate + water. <b>2013</b> , 117, 15356-68		60
635	A simple approach to observe non-conductive hydrated materials with FE-SEM: Case study on porous hydroxyapatite green bodies. <b>2013</b> , 33, 629-635		5
634	Dynamics of isolated water molecules in a sea of ions in a room temperature ionic liquid. <b>2013</b> , 117, 623-35		54

633	Ionic liquids as novel surfactants for potential use in enhanced oil recovery. <b>2013</b> , 30, 2108-2117	68
632	Effects of water concentration on the structural and diffusion properties of imidazolium-based ionic liquid-water mixtures. <b>2013</b> , 117, 1378-88	95
631	Electrolytic Conductivity of Four Imidazolium-Based Ionic Liquids. <b>2013</b> , 34, 1265-1279	19
630	Aging Effects on the Properties of Imidazolium-, Quaternary Ammonium-, Pyridinium-, and Pyrrolidinium-Based Ionic Liquids Used in Fuel and Energy Production. <b>2013</b> , 27, 6355-6361	17
629	Spin probing of supramolecular structures in 1-butyl-3-methyl-imidazolium tetrafluoroborate/water mixtures. <b>2013</b> , 111, 2723-2737	13
628	1-Carboxymethyl-3-methyl-1H-imidazol-3-ium chloride 2-(3-methyl-1H-imidazol-3-ium-1-yl)acetate monohydrate: a crystal stabilized by imidazolium zwitterions. <b>2013</b> , 69, 1173-6	2
627	Bis(trifluoromethylsulfonyl)imide (NTf <sub>2</sub> )-Based Ionic Liquids for Facile Methane Electro-Oxidation on Pt. <b>2013</b> , 160, H604-H611	18
626	Towards solvent-controlled reactivity in ionic liquids. <b>2013</b> , 85, 1979-1990	40
625	Ionic liquids versus amine solutions in biogas upgrading: the level of volatile organic compounds. <b>2013</b> , 4, 295-311	7
624	A Detailed Study of the (Electro)chemical Behavior of Bis(trifluoromethanesulfonyl)imide Based Ionic Liquids at Different Purification Steps. <b>2013</b> , 25, 1453-1460	4
623	Dye-Affinity Partitioning of Acidic, Basic, and Neutral Proteins in Ionic Liquid-Based Aqueous Biphasic Systems. <b>2013</b> , 48, 2372-2380	16
622	Influence of structural variations on imidazolium-based ionic liquids. <b>2013</b> , 25, 251-268	15
621	Ion speciation of protic ionic liquids in water: transition from contact to solvent-separated ion pairs. <b>2013</b> , 52, 2990-4	79
620	A new modular phosphite-pyridine ligand library for asymmetric Pd-catalyzed allylic substitution reactions: a study of the key Pd-allyl intermediates. <b>2013</b> , 19, 2416-32	33
619	Water-free rare-earth-metal ionic liquids/ionic liquid crystals based on hexanitratolanthanate(III) anion. <b>2013</b> , 19, 4452-61	44
618	Ionenspezies in Mischungen aus protischen ionischen Flüssigkeiten und Wasser: Bergang von Kontakt- zu solvensseparierten Ionenpaaren. <b>2013</b> , 125, 3064-3068	20
617	Effect of Water on Tribocorrosion of Imidazolium Based Ionic Liquid. <b>2013</b> , 79, 3272-3284	1
616	Lipase-Catalyzed Ring-Opening Polymerization of L-Lactide in Hydrated Ionic Liquids. <b>2013</b> , 70, 612-615	1



615	Ionic Liquids: Synthesis and Applications in Catalysis. <b>2014</b> , 2014, 1-16	125
614	Hydrolysis of the Room Temperature Ionic Liquid, N,N-Diethyl-N-methyl-N-(2-methoxyethyl)ammonium Tetrafluoroborate. <b>2014</b> , 93, 328-332	4
613	Electrodeposition and Characterization of Nanocrystalline Ni-NbO <sub>x</sub> Composite Coatings from Glycol-based Electrolytes for High Temperature Electronics Packaging. <b>2014</b> , 161, D395-D404	6
612	Solvatochromic probe behavior within choline chloride-based deep eutectic solvents: effect of temperature and water. <b>2014</b> , 118, 14652-61	147
611	On the collective network of ionic liquid/water mixtures. IV. Kinetic and rotational depolarization. <b>2014</b> , 140, 204505	11
610	Effect of Alkyl Chain Length on Hygroscopicity of Nanoparticles and Thin Films of Imidazolium-Based Ionic Liquids. <b>2014</b> , 118, 29458-29466	13
609	Zn/Zn(II) Redox Kinetics and Zn Deposit Morphology in Water Added Ionic Liquids with Bis(trifluoromethanesulfonyl)imide Anions. <b>2014</b> , 161, A128-A136	25
608	Dynamics of methanol in ionic liquids: validity of the Stokes-Einstein and Stokes-Einstein-Debye relations. <b>2014</b> , 15, 3040-8	16
607	Ionic Liquid assisted Synthesis of Zeolite-TON. <b>2014</b> , 640, 1177-1181	13
606	Solvatochromic dipolarity micro-sensor behaviour in binary solvent systems of the (water + ionic liquid) type: application of preferential solvation model and linear solvation energy relationships. <b>2014</b> , 27, 841-849	15
605	In situ transmission infrared spectroscopy of hydroxylation of aluminum thin film and subsequent dehydration processes. <b>2014</b> , 53, 066701	5
604	Structure, Interaction and Hydrogen Bond. <b>2014</b> , 1-38	6
603	Microstructure Study of Ionic Liquids by Spectroscopy. <b>2014</b> , 175-193	3
602	Solubility of high-value compounds in environmentally friendly solvents liquid poly(ethylene glycol) and ionic liquids: Experimental study and thermodynamic analysis. <b>2014</b> , 70, 154-159	5
601	Hydrogen bonding between acetate-based ionic liquids and water: Three types of IR absorption peaks and NMR chemical shifts change upon dilution. <b>2014</b> , 1058, 244-251	38
600	Determination and correlation of the solubility of four Brønsted-acidic ionic liquids based on benzothiazolium cations in six alcohols. <b>2014</b> , 72, 48-53	14
599	Extraction of toluene from alkane using [Bmim][NO <sub>3</sub> ] or [Omim][NO <sub>3</sub> ] ionic liquid at 298.15 K and atmospheric pressure. <b>2014</b> , 363, 41-47	18
598	The solvation and electrochemical behavior of copper acetylacetonate complexes in ionic liquids. <b>2014</b> , 1060, 142-149	14

597	Study of the Conductivity and Tribological Performance of Ionic Liquid and Lithium Greases. <b>2014</b> , 53, 281-291	36
596	Understanding the role of co-solvents in the dissolution of cellulose in ionic liquids. <b>2014</b> , 16, 2528	181
595	Organocatalysis by an aprotic imidazolium zwitterion: a dramatic anion/cation cooperative effect on azide/nitrile cycloaddition. <b>2014</b> , 4, 6116	13
594	Dipolarity versus polarizability and acidity versus basicity of ionic liquids as a function of their molecular structures. <b>2014</b> , 20, 2232-43	33
593	High pressure density and solubility for the CO <sub>2</sub> +1-ethyl-3-methylimidazolium ethylsulfate system. <b>2014</b> , 88, 46-55	20
592	Understanding ionic liquids from theoretical methods. <b>2014</b> , 192, 71-76	54
591	A New Application of Acetate-Based Ionic Liquids: Potential Usage as Drying Materials. <b>2014</b> , 37, 527-534	29
590	Does the stability of proteins in ionic liquids obey the Hofmeister series?. <b>2014</b> , 63, 244-53	88
589	Supported ionic liquid membranes for water and volatile organic compounds separation: Sorption and permeation properties. <b>2014</b> , 458, 164-178	38
588	Hydrogen bonding interaction between acetate-based ionic liquid 1-ethyl-3-methylimidazolium acetate and common solvents. <b>2014</b> , 190, 151-158	49
587	The structure of water in dilute aqueous solutions of ionic liquids: IR and NMR study. <b>2014</b> , 197, 48-51	16
586	(1-Butyl-4-methyl-pyridinium)[Cu(SCN) <sub>2</sub> ]: a coordination polymer and ionic liquid. <b>2014</b> , 20, 5338-45	37
585	Binary composite ionic liquids [bmim][BF <sub>4</sub> ] and [bmim][Ac] for electrochemical reduction of nitrobenzene. <b>2014</b> , 20, 1703-1710	4
584	Effect of inorganic ions on the photocatalytic treatment of agro-industrial wastewaters containing imazalil. <b>2014</b> , 156-157, 284-292	76
583	Ionic liquid-Pluronic P123 mixed micelle stabilized water-soluble Ni nanoparticles for catalytic hydrogenation. <b>2014</b> , 415, 117-26	26
582	Production of Biofuels and Chemicals with Ionic Liquids. <b>2014</b> ,	26
581	Water Sorption in Amino Acid Ionic Liquids: Kinetic, Mechanism, and Correlations between Hygroscopicity and Solvatochromic Parameters. <b>2014</b> , 2, 138-148	29
580	Water interaction with ion pairs from ionic liquids. Computational study and performance assessment of several common functionals. <b>2014</b> , 593, 181-188	19

579	Mixing ionic liquids [simple mixtures] or [double salts]. <b>2014</b> , 16, 2051	260
578	Electrochemical anchoring of dual doping polypyrrole on graphene sheets partially exfoliated from graphite foil for high-performance supercapacitor electrode. <b>2014</b> , 249, 48-58	140
577	High-yield graphene production by electrochemical exfoliation of graphite: Novel ionic liquid (IL) [acetonitrile electrolyte with low IL content]. <b>2014</b> , 71, 58-69	79
576	Carbon capture and storage update. <b>2014</b> , 7, 130-189	1404
575	Interaction of a long alkyl chain protic ionic liquid and water. <b>2014</b> , 140, 204503	32
574	Electron injection dynamics in dye-sensitized semiconductor nanocrystalline films. <b>2014</b> , 69, 389-441	33
573	Water in ionic liquids at electrified interfaces: the anatomy of electrosorption. <b>2014</b> , 8, 11685-94	119
572	The electrical double layer at the ionic liquid/Au and Pt electrode interface. <b>2014</b> , 4, 28914-28921	31
571	Preparation of confined Ru-ionic gel catalysts and their application for a low temperature water-gas shift reaction. <b>2014</b> , 4, 28529-28536	8
570	Lyotropic liquid crystal phases of phytantriol in a protic ionic liquid with fluorosulfonate anion. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 21321-9	3.6 6
569	Solubility of the Corn Protein Zein in Imidazolium-based Ionic Liquids. <b>2014</b> , 53, 2293-2298	22
568	Selective intercalation of ionic liquid in montmorillonite and influence of water molecules. <b>2014</b> , 267, 16-21	6
567	The dynamic process of atmospheric water sorption in [EMIM][Ac] and mixtures of [EMIM][Ac] with biopolymers and CO <sub>2</sub> capture in these systems. <b>2014</b> , 118, 11523-36	25
566	Molecular dynamics investigation of the vibrational spectroscopy of isolated water in an ionic liquid. <b>2014</b> , 118, 8264-72	38
565	Improved synthesis of tadalafil using dimethyl carbonate and ionic liquids. <b>2014</b> , 4, 1204-1211	12
564	Mn <sup>2+</sup> cation-directed ionothermal synthesis of an open-framework fluorinated aluminium phosphite-phosphate. <b>2014</b> , 4, 29310	4
563	Study on thermodynamic properties and estimation of polarity of ionic liquids {[C <sub>n</sub> mim][NTf <sub>2</sub> ] (n = 2, 4)}. <b>2014</b> , 4, 30725	18
562	Systematic Study on the General Preparation of Ionic Liquids with High Purity via Hydroxide Intermediates. <b>2014</b> , 53, 6871-6880	6

561	Highly efficient synthesis of cyclic carbonates from epoxides catalyzed by salen aluminum complexes with built-in CO <sub>2</sub> capture capability under mild conditions. <b>2014</b> , 16, 1496-1506	111
560	Hydrogen bonds in the crystal structure of hydrophobic and hydrophilic COOH-functionalized imidazolium ionic liquids. <b>2014</b> , 16, 3040-3046	19
559	Effect of the cation on the interactions between alkyl methyl imidazolium chloride ionic liquids and water. <b>2014</b> , 118, 10503-14	51
558	Understanding the role of the cosolvent in the zeolite template function of imidazolium-based ionic liquid. <b>2014</b> , 118, 3650-60	4
557	Highly conductive ionic liquids toward high-performance space-lubricating greases. <b>2014</b> , 6, 14660-71	46
556	Dicationic organic salts: gelators for ionic liquids. <b>2014</b> , 10, 9281-92	32
555	The dynamic process of atmospheric water sorption in [BMIM][Ac]: quantifying bulk versus surface sorption and utilizing atmospheric water as a structure probe. <b>2014</b> , 118, 6896-907	23
554	Composite ionic liquid-polymer catalyst membranes for reactive separation of hydrogen from carbon monoxide. <b>2014</b> , 472, 222-231	8
553	Polynuclear Copper(II) Complexes as Catalysts for the Peroxidative Oxidation of Cyclohexane in a Room-Temperature Ionic Liquid. <b>2014</b> , 2014, 4541-4550	39
552	Ionic liquid binary mixtures: Promising reaction media for carbohydrate conversion into 5-hydroxymethylfurfural. <b>2014</b> , 482, 287-293	37
551	Phase Behavior of Nitrate Based Ionic Liquids with Thiophene and Alkanes. <b>2014</b> , 53, 1256-1261	20
550	Alternative Solvents for Natural Products Extraction. <b>2014</b> ,	25
549	Elucidation of ionic interactions in the protic ionic liquid solutions by isothermal titration calorimetry. <b>2014</b> , 118, 4160-8	22
548	Update 1 of: Ionic liquids in heterocyclic synthesis. <b>2014</b> , 114, PR1-70	95
547	Highly selective and efficient extraction of lignin in kraft pulp by aqueous ionic liquids for enhanced bleaching properties. <b>2014</b> , 4, 29897-29900	14
546	Effect of water on the transport properties of protic and aprotic imidazolium ionic liquids - an analysis of self-diffusivity, conductivity, and proton exchange mechanism. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 9266-75	3.6 79
545	Pretreatment of Japanese cedar by ionic liquid solutions in combination with acid and metal ion and its application to high solid loading. <b>2014</b> , 7, 120	14
544	Influence of Hydrophobic Anion on Solution Properties of PDMAEMA. <b>2014</b> , 47, 2103-2111	55

543	Interplay of phase separation, tail aggregation, and micelle formation in the nanostructured organization of hydrated imidazolium ionic liquid. <b>2014</b> , 118, 8839-47	24
542	Developing principles for predicting ionic liquid effects on reaction outcome. A demonstration using a simple condensation reaction. <b>2014</b> , 12, 7092-9	38
541	Direct Correlation Between the H/D Exchange Reaction and Conformational Changes of the Cation in Imidazolium-Based Ionic Liquid/D <sub>2</sub> O Mixtures. <b>2014</b> , 43, 1509-1518	9
540	Probing the interactions between ionic liquids and water: experimental and quantum chemical approach. <b>2014</b> , 118, 1848-60	84
539	Ionic Liquids. <b>2014</b> , 309-368	
538	Introducing Ionic Liquids. <b>2014</b> , 11-36	1
537	Hydrophobic 3-alkyl-1-methylimidazolium saccharinates as extractants for L-lactic acid recovery. <b>2014</b> , 125, 239-246	52
536	Nanostructure of an ionic liquid-glycerol mixture. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 13182-90.6	34
535	Biphasic Systems That Consist of Hydrophilic Ionic Liquid, Water, and Ethyl Acetate: The Effects of Interactions on the Phase Behavior. <b>2014</b> , 53, 10784-10790	9
534	Simulating the vibrational spectra of ionic liquid systems: 1-ethyl-3-methylimidazolium acetate and its mixtures. <b>2014</b> , 141, 024510	55
533	Dissolution of wet wood biomass without heating. <b>2014</b> , 4, 17136-17140	36
532	Formation of "quasi" contact or solvent-separated ion pairs in the local environment of probe molecules dissolved in ionic liquids. <b>2014</b> , 15, 265-70	14
531	Microemulsion-like aggregation behaviour of an LCST-type ionic liquid in water. <b>2014</b> , 4, 14055	30
530	Effect of polyvalent ions in the formation of ionic-liquid-based aqueous biphasic systems. <b>2014</b> , 118, 297-308	21
529	Ionic Liquids as Alternative Solvents for Extraction of Natural Products. <b>2014</b> , 127-166	17
528	Ionic association and interactions in aqueous methylsulfate alkyl-imidazolium-based ionic liquids. <b>2014</b> , 77, 214-221	31
527	Polyimide/ionic liquid composite membranes for fuel cells operating at high temperatures. <b>2014</b> , 130, 830-840	30
526	The solvation and redox behavior of mixed ligand copper(II) complexes of acetylacetonate and aromatic diimines in ionic liquids. <b>2014</b> , 409, 465-471	5

525	A review of imidazolium ionic liquids research and development towards working pair of absorption cycle. <b>2014</b> , 37, 47-68	147
524	Thermophysical properties of aqueous solution of ammonium-based ionic liquids. <b>2014</b> , 118, 5971-82	55
523	Polymorphic phase transition among the titania crystal structures using a solution-based approach: from precursor chemistry to nucleation process. <b>2014</b> , 6, 11574-632	183
522	Electroreduction Property and MD Simulation of Nitrobenzene in Ionic Liquid [BMim][Tf2N]/[BMim][BF4]. <b>2014</b> , 134, 193-200	4
521	Optical measurements of impurities in room-temperature ionic liquids. <b>2014</b> , 133, 300-310	7
520	Spatial-decomposition analysis of electrical conductivity in ionic liquid. <b>2014</b> , 141, 244507	11
519	Behavior of cellulose liquefaction after pretreatment using ionic liquids with water mixtures. <b>2014</b> , 131, n/a-n/a	2
518	Investigating the Structure of Ionic Liquids and Ionic Liquid. <b>2015</b> , 55-82	
517	Properties of water confined in ionic liquids. <b>2015</b> , 5, 10619	61
516	Properties of Ionic Liquid-Based Microemulsions. <b>2015</b> , 261-281	
515	Phase Transitions of Nonionic Surfactant C18:1E10 in Mixed Media of Water with Ionic Liquids. <b>2015</b> , 18, 1105-1115	4
514	Aqueous Brønsted-Lowry Chemistry of Ionic Liquid Ions. <b>2015</b> , 16, 2432-9	11
513	Determination of three estrogens and bisphenol A by functional ionic liquid dispersive liquid-phase microextraction coupled with ultra-high performance liquid chromatography and ultraviolet detection. <b>2015</b> , 38, 2158-66	24
512	A new way to interpret perturbation-correlation moving-window two-dimensional correlation spectroscopy: probing the dynamic interaction of ionic liquid 1-ethyl-3-methylimidazolium acetate to absorb atmospheric water. <b>2015</b> , 69, 130-42	8
511	Elucidating Interactions between DMSO and Chelate-Based Ionic Liquids. <b>2015</b> , 16, 3836-41	7
510	Experimental Signature of Microheterogeneity in Ionic Liquid-H <sub>2</sub> O Systems and Their Perturbation by Adding Li(+) Salts: A Pulsed Gradient Spin-Echo NMR Approach. <b>2015</b> , 16, 2936-41	9
509	Vibrational Spectroscopic Study on Lubrication and Corrosive Wear Mechanisms of Imidazolium Based Ionic Liquids. <b>2015</b> ,	2
508	Tuning Solute Partitioning Coefficients in a Biphasic Ionic Liquid/Water System to Facilitate Extraction of Lignin-Oxidized Aromatics. <b>2015</b> , 10,	2

507	Dynamics of water, methanol, and ethanol in a room temperature ionic liquid. <b>2015</b> , 142, 212408	66
506	H <sub>2</sub> O <sub>2</sub> -Mediated Kraft Lignin Oxidation with Readily Available Metal Salts: What about the Effect of Ultrasound?. <b>2015</b> , 54, 6046-6051	25
505	Developing principles for predicting ionic liquid effects on reaction outcome. The importance of the anion in controlling microscopic interactions. <b>2015</b> , 13, 3771-80	33
504	The effect of ionic liquids on the decomposition behavior of epoxy resin in subcritical water. <b>2015</b> , 5, 14553-14560	1
503	Intermolecular interactions in mixtures of 1-n-butyl-3-methylimidazolium acetate and water: Insights from IR, Raman, NMR spectroscopy and quantum chemistry calculations. <b>2015</b> , 210, 227-237	43
502	Solvents and sustainable chemistry. <b>2015</b> , 471, 20150502	163
501	Analysis of the driving force that rule the stability of lysozyme in alkylammonium-based ionic liquids. <b>2015</b> , 81, 1074-81	25
500	Unlocking the potential of supported liquid phase catalysts with supercritical fluids: low temperature continuous flow catalysis with integrated product separation. <b>2015</b> , 373,	16
499	Effect of water on the local structure and phase behavior of imidazolium-based protic ionic liquids. <b>2015</b> , 119, 1611-22	49
498	Ionic fluids containing both strongly and weakly interacting ions of the same charge have unique ionic and chemical environments as a function of ion concentration. <b>2015</b> , 16, 993-1002	22
497	Computational and experimental study of the behavior of cyano-based ionic liquids in aqueous solution. <b>2015</b> , 119, 1567-78	25
496	Structure of alkylimidazolium-based ionic liquids at the interface with vacuum and water--a molecular dynamics study. <b>2015</b> , 119, 3795-807	34
495	Quantum chemical studies on nanostructures of the hydrated methylimidazolium-based ionic liquids. <b>2015</b> , 21, 1	81
494	Raman and FTIR spectroscopic studies of 1-ethyl-3-methylimidazolium trifluoromethylsulfonate, its mixtures with water and the solvation of zinc ions. <b>2015</b> , 16, 970-7	43
493	Ionic Liquid Pretreatment. <b>2015</b> , 137-155	4
492	The mechanism of carbon/silica dual phase filler modified by ionic liquid and its reinforcing on natural rubber. <b>2015</b> , 36, 1721-1730	17
491	Evolutional mechanism of 1-ethyl-3-methyl-imdazolium acetate uptaking water from air detected with a new coupled method: Two-dimensional correlation difference spectroscopy. <b>2015</b> , 203, 169-180	5
490	Energetic contributions from the cation and anion to the stability of carbon dioxide dissolved in imidazolium-based ionic liquids. <b>2015</b> , 119, 1579-87	12

489	Molecular level interactions in binary mixtures of 1-ethyl 3-methylimidazolium tetrafluoroborate and water. <b>2015</b> , 5, 19907-19913		16
488	Conversion of chitin and N-acetyl-D-glucosamine into a N-containing furan derivative in ionic liquids. <b>2015</b> , 5, 20073-20080		73
487	Recent findings about ionic liquids mixtures obtained by molecular dynamics simulation. <b>2015</b> , 5, 243-253		20
486	Liquid extraction of polyhydric alcohols from water using [A336][SCN] as a solvent. <b>2015</b> , 89, 35-40		5
485	Electrochemical reduction of SPR-catalysate 4,4'-dimercaptoazobenzene at [BMIm]BF <sub>4</sub> /Ag interface probed by SERS. <b>2015</b> , 750, 49-56		1
484	Solvation Thermodynamic Properties of Hydrogen Sulfide in [C4mim][PF <sub>6</sub> ], [C4mim][BF <sub>4</sub> ], and [C4mim][Cl] Ionic Liquids, Determined by Molecular Simulations. <b>2015</b> , 119, 10727-37		20
483	Almost complete dissolution of woody biomass with tetra-n-butylphosphonium hydroxide aqueous solution at 60 °C. <b>2015</b> , 17, 4432-4438		33
482	Investigation of toxic effects of imidazolium ionic liquids, [bmim][BF <sub>4</sub> ] and [omim][BF <sub>4</sub> ], on marine mussel <i>Mytilus galloprovincialis</i> with or without the presence of conventional solvents, such as acetone. <b>2015</b> , 164, 72-80		25
481	Maintenance-Free Cellulose Solvents Based on Onium Hydroxides. <b>2015</b> , 3, 1771-1776		46
480	Vapor-Liquid Equilibria of Imidazolium Ionic Liquids with Cyano Containing Anions with Water and Ethanol. <b>2015</b> , 119, 10287-303		41
479	Carbon dioxide uptake from natural gas by binary ionic liquid/water mixtures. <b>2015</b> , 17, 4340-4354		58
478	Characterization of Imidazolium Chloride Ionic Liquids Plus Trivalent Chromium Chloride for Chromium Electroplating. <b>2015</b> , 54, 4879-4890		18
477	Atomistic Insight into Tetraalkylphosphonium-Bis(oxalato)borate Ionic Liquid/Water Mixtures. I. Local Microscopic Structure. <b>2015</b> , 119, 5251-64		34
476	Toxicity of two imidazolium ionic liquids, [bmim][BF <sub>4</sub> ] and [omim][BF <sub>4</sub> ], to standard aquatic test organisms: Role of acetone in the induced toxicity. <b>2015</b> , 117, 62-71		49
475	Residual water in ionic liquids: clustered or dissociated?. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 14710-8	3.6	50
474	Ionic liquids as solvents of polar and non-polar solutes: affinity and coordination. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 14588-97	3.6	15
473	Is seven the minimum number of water molecules per ion pair for assured biological activity in ionic liquid-water mixtures?. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 14454-60	3.6	43
472	Hydrogen bonding and $\pi$ -interactions in imidazolium-chloride ionic liquid clusters. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 14437-53	3.6	88



471	Composition dependent structural organization in trihexyl(tetradecyl)phosphonium chloride ionic liquid-methanol mixtures. <b>2015</b> , 142, 134503		30
470	The ionic liquid effect on the Boulton-Batritzky reaction: a comparison between substrates of different structure. <b>2015</b> , 71, 7361-7366		12
469	Close Packing Existence of Short-Chain Ionic Liquid Confined in the Nanopore of Silica Ionogel. <b>2015</b> , 119, 12335-12344		12
468	Thiocyanate as a local probe of ultrafast structure and dynamics in imidazolium-based ionic liquids: water-induced heterogeneity and cation-induced ion pairing. <b>2015</b> , 119, 4699-712		53
467	Solvent effects on the polar network of ionic liquid solutions. <b>2015</b> , 27, 194116		10
466	Photocatalytic treatment of water containing imazalil using an immobilized TiO <sub>2</sub> photoreactor. <b>2015</b> , 498, 1-9		18
465	Aqueous dye-sensitized solar cells. <b>2015</b> , 44, 3431-73		339
464	DFT study of the energetic and noncovalent interactions between imidazolium ionic liquids and hydrofluoric acid. <b>2015</b> , 119, 5002-9		22
463	Conjugated diimidazolium salts: rigid structure to obtain organized materials. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 26903-17	3.6	6
462	Ordered Polypyrrole Nanowire Arrays Grown on a Carbon Cloth Substrate for a High-Performance Pseudocapacitor Electrode. <b>2015</b> , 7, 25506-13		80
461	Structural Properties and Aggregation Behavior of 1-Hexyl-3-methylimidazolium Iodide in Aqueous Solutions. <b>2015</b> , 119, 14515-26		33
460	Quantification of Conventional and Nonconventional Charge-Assisted Hydrogen Bonds in the Condensed and Gas Phases. <b>2015</b> , 6, 4431-6		33
459	Observation and theory of reorientation-induced spectral diffusion in polarization-selective 2D IR spectroscopy. <b>2015</b> , 142, 184505		44
458	Electrochemistry in Ionic Liquids. <b>2015</b> ,		3
457	Tuning ionic liquids for natural gas dehydration using COSMO-RS methodology. <b>2015</b> , 27, 1141-1148		56
456	Molecular Anion Hydrogen Bonding Dynamics in Aqueous Solution. <b>2015</b> , 119, 13407-15		29
455	Structure study of a microemulsion system with an ionic liquid. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 27833-9	3.6	8
454	Wound treatment on a diabetic rat model by a 808 nm diode laser. <b>2015</b> , 25, 075601		2

453	Effect of the Alkyl Chain Length of the Cation on the Interactions between Water and Ammonium-Based Ionic Liquids: Experimental and COSMO-RS Studies. <b>2015</b> , 54, 9013-9026	33
452	Ionic Liquids in Surface Protection. <b>2015</b> , 533-561	7
451	Synthesis, crystal structures and theoretical studies of dinuclear Mn(II) and Ni(II) complexes of phenol-based End-off-Compartmental ligand. <b>2015</b> , 1100, 318-327	4
450	Heterogeneous conversion of CO into cyclic carbonates at ambient pressure catalyzed by ionothermal-derived meso-macroporous hierarchical poly(ionic liquid)s. <b>2015</b> , 6, 6916-6924	183
449	Linear relationship between the 1H-chemical shift of water in a highly concentrated aqueous solution of an ionic liquid and the Jones-Dole B coefficient. <b>2015</b> , 212, 1-5	2
448	Water sorption properties of room-temperature ionic liquids over the whole range of water activity and molecular states of water in these media. <b>2015</b> , 5, 76927-76938	16
447	The effect of tributylphosphate and tributyl phosphine oxide on hydrogen bonding interactions between water and the 1-ethyl-3-methylimidazolium cation in 1-ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide. <b>2015</b> , 209, 381-386	14
446	Interactions between water and 1-butyl-1-methylpyrrolidinium ionic liquids. <b>2015</b> , 143, 064503	35
445	Influence of ionic liquids on the syntheses and structures of Mn(II) coordination polymers based on multidentate N-heterocyclic aromatic ligands and bridging carboxylate ligands. <b>2015</b> , 44, 17639-51	37
444	Effects of water concentration on the free volume of amino acid ionic liquids investigated by molecular dynamics simulations. <b>2015</b> , 119, 263-73	17
443	Surface of room temperature ionic liquid [bmim][PF6] studied by polarization- and experimental configuration-dependent sum frequency generation vibrational spectroscopy. <b>2015</b> , 58, 439-447	10
442	Stability and organocatalytic efficiency of N-heterocyclic carbenes electrogenerated in organic solvents from imidazolium ionic liquids. <b>2015</b> , 153, 122-129	25
441	The effect of an ionic liquid on the rate of reaction at a phosphorus centre. <b>2015</b> , 39, 213-219	22
440	Hydrogen-bonding interactions between a pyridinium-based ionic liquid [C4Py][SCN] and dimethyl sulfoxide. <b>2015</b> , 121, 169-179	31
439	The ultrasounds-ionic liquids synergy on the copper catalyzed azide-alkyne cycloaddition between phenylacetylene and 4-azidoquinoline. <b>2015</b> , 23, 317-23	15
438	Surface Adsorption and Micelle Formation of Polyoxyethylene-type Nonionic Surfactants in Mixtures of Water and Hydrophilic Imidazolium-type Ionic Liquid. <b>2016</b> , 65, 499-506	5
437	Methods of Synthesis and Purification of Ionic Liquids. <b>2016</b> , 59-99	8
436	Nitrogen versus phosphorus nucleophiles [how changing the nucleophilic heteroatom affects ionic liquid solvent effects in bimolecular nucleophilic substitution processes. <b>2016</b> , 40, 7437-7444	25

435	The effect of the structure of the cation of an ionic liquid on the rate of reaction at a phosphorus centre. <b>2016</b> , 29, 700-708	11
434	Understanding the Effect of Solvent Structure on Organic Reaction Outcomes When Using Ionic Liquid/Acetonitrile Mixtures. <b>2016</b> , 120, 12687-12699	24
433	Calorimetric Studies and Structural Aspects of Ionic Liquids in Designing Sorption Materials for Thermal Energy Storage. <b>2016</b> , 22, 16200-16212	22
432	Carbon dioxide in an ionic liquid: Structural and rotational dynamics. <b>2016</b> , 144, 104506	47
431	Solvation structures of water in trihexyltetradecylphosphonium-orthoborate ionic liquids. <b>2016</b> , 145, 064507	22
430	Effect of water on structure and dynamics of [BMIM][PF6] ionic liquid: An all-atom molecular dynamics simulation investigation. <b>2016</b> , 144, 114505	36
429	Deep extractive desulfurization of dibenzothiophene with imidazolium or pyridinium-based ionic liquids. <b>2016</b> , 111, 323-331	35
428	Thermodynamics of hydrogen bonding and van der Waals interactions of organic solutes in solutions of imidazolium based ionic liquids: Structure-property relationships. <b>2016</b> , 633, 12-23	21
427	Influence of Water on the Electrified Ionic Liquid/Solid Interface: A Direct Observation of the Transition from a Multilayered Structure to a Double-Layer Structure. <b>2016</b> , 120, 9341-9349	72
426	Thermal dynamics of lithium salt mixtures of ionic liquid in water by PGSE NMR spectroscopy. <b>2016</b> , 6, 36394-36406	9
425	Physicochemical properties of fatty acid based ionic liquids. <b>2016</b> , 100, 156-164	29
424	Ion-water wires in imidazolium-based ionic liquid/water solutions induce unique trends in density. <b>2016</b> , 12, 3032-45	26
423	Potential-dependent condensation of Water at the Interface between ionic liquid [BMIM][TFSA] and an Au electrode. <b>2016</b> , 65, 14-17	49
422	Densities, Speeds of Sound, and Excess and Partial Excess Properties of Room Temperature Ionic Liquids of Type [C <sub>n</sub> py][X] or [C <sub>n</sub> 4mpy][X] (Where n = 6 or 8, [X] = Cl[Br Br]) + Water Binary Mixtures at T = (308.15 and 318.15) K. <b>2016</b> , 61, 3834-3848	3
421	Extraction of Natural Phenolic Compounds with ABS. <b>2016</b> , 161-181	
420	Impact of water on the charge transport of a glass-forming ionic liquid. <b>2016</b> , 223, 635-642	14
419	Initial dissolution of DO at the gas-liquid interface of the ionic liquid [C <sub>min</sub> ][NTF2] associated with hydrogen-bond network formation. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 28061-28068	3.6 3
418	Adventitious Water Sorption in a Hydrophilic and a Hydrophobic Ionic Liquid: Analysis and Implications. <b>2016</b> , 1, 407-416	10

417	Dielectric Properties of Ionic Liquids. <b>2016</b> ,		22
416	Syntheses and crystal structures of benzene-sulfonate and -carboxylate copper polymers and their application in the oxidation of cyclohexane in ionic liquid under mild conditions. <b>2016</b> , 45, 13957-68		21
415	Influence of Water on the Interfacial Nanostructure and Wetting of [Rmim][NTf2] Ionic Liquids at Mica Surfaces. <b>2016</b> , 32, 8818-25		34
414	Volumetric and viscometric properties of binary and ternary mixtures of 1-butyl-3-methylimidazolium tetrafluoroborate, monoethanolamine and water. <b>2016</b> , 102, 413-428		26
413	Transport Properties, Local Coordination, and Thermal Stability of the Water/Diethylmethylammonium Methanesulfonate Binary System. <b>2016</b> , 16, 46-54		10
412	Just Add Salt: A Mass Spectrometric Analysis Method for Imaging Anion-Exchanged Poly(Ionic Liquid)s. <b>2016</b> , 37, 1662-1666		1
411	Non-ideal viscosity and excess molar volume of mixtures of 1-butyl-3-methylimidazolium tetrafluoroborate ([C4mim][BF4]) with water. <b>2016</b> , 223, 678-686		13
410	Antibacterial surfaces based on poly(cationic liquid) brushes: switchability between killing and releasing via anion counterion switching. <b>2016</b> , 4, 6111-6116		29
409	Understanding the role of hydrogen bonding in Brønsted acidic ionic liquid-catalyzed transesterification: a combined theoretical and experimental investigation. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 32723-32734	3.6	10
408	Mutual solubility of acidic ionic liquid and model gasoline of n-octane + 1-octene + toluene. <b>2016</b> , 69, 78-84		6
407	Ionic liquid binary mixtures: how different factors contribute to determine their effect on the reactivity. <b>2016</b> , 6, 90165-90171		15
406	Unusual linear dependency of viscosity with temperature in ionic liquid/water mixtures. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 25801-25805	3.6	13
405	Ionic Liquid versus Li(+) Aqueous Solutions: Water Dynamics near Bistriflimide Anions. <b>2016</b> , 120, 9997-10009		18
404	Absorption and Oxidation of Nitrogen Oxide in Ionic Liquids. <b>2016</b> , 22, 11745-55		20
403	Noncovalently functionalized graphene oxide/graphene with imidazolium-based ionic liquids for adsorptive removal of dibenzothiophene from model fuel. <b>2016</b> , 51, 10092-10103		33
402	Raman Spectroscopic Study on Alkyl Chain Conformation in 1-Butyl-3-methylimidazolium Ionic Liquids and their Aqueous Mixtures. <b>2016</b> , 17, 3040-3046		28
401	Effect of water presence on choline chloride-2urea ionic liquid and coating platings from the hydrated ionic liquid. <b>2016</b> , 6, 29225		97
400	Anion Dependent Dynamics and Water Solubility Explained by Hydrogen Bonding Interactions in Mixtures of Water and Aprotic Heterocyclic Anion Ionic Liquids. <b>2016</b> , 120, 12679-12686		15

399	Glassy Dynamics and Charge Transport in Polymeric Ionic Liquids. <b>2016</b> , 115-129		1
398	Influence of temperature on molecular interactions of imidazolium-based ionic liquids with acetophenone: thermodynamic properties and quantum chemical studies. <b>2016</b> , 6, 104708-104723		13
397	Water Dynamics in 1-Alkyl-3-methylimidazolium Tetrafluoroborate Ionic Liquids. <b>2016</b> , 120, 11523-11538		22
396	Electrochemical Oxidation of Hydrogen in Bis(trifluoromethylsulfonyl)imide Ionic Liquids under Anaerobic and Aerobic Conditions. <b>2016</b> , 120, 23542-23551		14
395	The Electrochemical Synthesis of Polycationic Clusters. <b>2016</b> , 55, 1173-7		19
394	Water in Ionic Liquids: Correlation between Anion Hydrophilicity and Near-Infrared Fingerprints. <b>2016</b> , 17, 1586-90		7
393	Theoretical insights into the properties of amino acid ionic liquids in aqueous solution. <b>2016</b> , 22, 152		4
392	Structural properties of geminal dicationic ionic liquid/water mixtures: a theoretical and experimental insight. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 16544-54	3.6	34
391	Carbonyl ruthenium catalysts for the low-temperature water-gas shift reaction with ionic liquids as support structure controllers. <b>2016</b> , 18, 4704-4713		6
390	Confined water in imidazolium based ionic liquids: a supramolecular guest@host complex case. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 18297-304	3.6	30
389	Microscopic study of binary mixtures between pyrrolidinium bis(trifluorosulfonyl)imide and dimethyl sulfoxide/acetonitrile. <b>2016</b> , 59, 578-586		9
388	Promotional effect of ionic liquids in electrophilic fluorination of methylated uracils. <b>2016</b> , 6, 60556-60564		5
387	Structural Characteristics of Homogeneous Hydrophobic Ionic Liquid-HNO <sub>3</sub> -H <sub>2</sub> O Ternary System: Experimental Studies and Molecular Dynamics Simulations. <b>2016</b> , 120, 5194-202		6
386	The effects of alkylammonium counterions on the aggregation of fluorinated surfactants and surfactant ionic liquids. <b>2016</b> , 475, 72-81		16
385	Structural and Rotational Dynamics of Carbon Dioxide in 1-Alkyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide Ionic Liquids: The Effect of Chain Length. <b>2016</b> , 120, 6698-711		23
384	Dry and wet lab analysis on benzofused heterocyclic compounds as effective corrosion inhibitors for mild steel in acidic medium. <b>2016</b> , 40, 106-117		51
383	Die elektrochemische Synthese polykationischer Cluster. <b>2016</b> , 128, 1188-1192		7
382	Physiological response of the green microalgae <i>Dunaliella tertiolecta</i> against imidazolium ionic liquids [bmim][BF <sub>4</sub> ] and/or [omim][BF <sub>4</sub> ]: the role of salinity on the observed effects. <b>2016</b> , 28, 979-990		15

381	Separation of 2-propanol and water azeotropic system using ionic liquids as entrainers. <b>2016</b> , 412, 94-100	35
380	Self-Consistent Determination of Atomic Charges of Ionic Liquid through a Combination of Molecular Dynamics Simulation and Density Functional Theory. <b>2016</b> , 12, 804-11	36
379	Halogen-free synthesis of symmetrical 1,3-dialkylimidazolium ionic liquids using non-enolisable starting materials. <b>2016</b> , 6, 8848-8859	21
378	Interactions of pyridinium, pyrrolidinium or piperidinium based ionic liquids with water: Measurements and COSMO-RS modelling. <b>2016</b> , 414, 93-100	18
377	Enhanced deconstruction and dissolution of lignocellulosic biomass in ionic liquid at high water content by lithium chloride. <b>2016</b> , 23, 323-338	35
376	Quantification of the impact of water as an impurity on standard physico-chemical properties of ionic liquids. <b>2016</b> , 94, 169-176	41
375	Liquid-liquid equilibria of aqueous biphasic systems of ionic liquids and dipotassium hydrogen phosphate at different temperatures: Experimental study and thermodynamic modeling. <b>2016</b> , 219, 95-103	9
374	A new insight into the nanostructure of alkylammonium alkanoates based ionic liquids in water. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 11497-502	3.6 12
373	Understanding the hydrogen bonds in ionic liquids and their roles in properties and reactions. <b>2016</b> , 52, 6744-64	187
372	Phase diagrams of aqueous biphasic systems composed of ionic liquids and dipotassium carbonate at different temperatures. <b>2016</b> , 415, 193-202	12
371	Experimental Study on the Solubility of Carbon Dioxide in Nitrate and Thiocyanate-Based Ionic Liquids. <b>2016</b> , 61, 1262-1269	16
370	Nature of Mesoscopic Organization in Protic Ionic Liquid-Alcohol Mixtures. <b>2016</b> , 120, 2638-43	41
369	Hydrogen-bonding interactions between a nitrile-based functional ionic liquid and DMSO. <b>2016</b> , 1124, 207-215	14
368	Exploring the structure and stability of amino acids and glycine peptides in biocompatible ionic liquids. <b>2016</b> , 6, 18763-18777	12
367	Structural Transitions of 1-Butyl-3-methylimidazolium Chloride/Water Mixtures Studied by Raman and FTIR Spectroscopy and WAXS. <b>2016</b> , 16, 1958-1967	19
366	Intensification phenomenon of weak ionic interactions of 1-butyl-3-methylimidazolium hexafluorophosphate ionic liquid macro-dispersed in poly(methyl methacrylate): FTIR spectroscopic evidence. <b>2016</b> , 218, 133-137	15
365	Ultrasound response of aqueous poly(ionic liquid) solution. <b>2016</b> , 30, 52-60	13
364	Volumetric, ultrasonic and spectroscopic (FT-IR) studies for the binary mixtures of imidazolium based ILs with 1,2-propanediol. <b>2016</b> , 411, 66-73	19

363	Review of New Generation Electrode Materials for Sensitive Detection. <b>2016</b> , 163, H159-H170	21
362	Dehumidification of air using liquid membranes with ionic liquids. <b>2016</b> , 499, 379-385	36
361	Catalytic Epoxidation of cis-Cyclooctene over Vanadium-Exchanged Faujasite Zeolite Catalyst with Ionic Liquid as Cosolvent. <b>2016</b> , 4, 437-444	22
360	FTIR spectroscopy of D2O and HDO molecules in the c-axis channels of synthetic beryl. <b>2016</b> , 101, 175-180	13
359	Enhanced tunability afforded by aqueous biphasic systems formed by fluorinated ionic liquids and carbohydrates. <b>2016</b> , 18, 1070-1079	28
358	Ionothermal Synthesis of Molecular Sieves. <b>2016</b> , 37-76	2
357	Organocatalysis by an aprotic imidazolium zwitterion: regioselective ring-opening of aziridines and applicable to gram scale synthesis. <b>2016</b> , 18, 565-574	43
356	A FT-IR spectroscopic study of ultrasound effect on aqueous imidazole based ionic liquids having different counter ions. <b>2016</b> , 28, 39-46	33
355	Surface activity and modifying effects of 1-Naphthol, 2-Naphthol and 2,3-Dihydroxynaphthalene on self-assembled nanostructures of 1-Hexadecyl-3-methylimidazolium chloride. <b>2017</b> , 516, 262-273	15
354	The development of carbon capture by functionalized ionic liquids. <b>2017</b> , 3, 33-38	21
353	Influence of atmospheric water uptake on the hydrolysis of stannous chloride in the ionic liquid 1-butyl-1-methylpyrrolidinium trifluoromethylsulfonate. <b>2017</b> , 230, 209-213	3
352	Interactions in Water-Ionic Liquid Mixtures: Comparing Protic and Aprotic Systems. <b>2017</b> , 121, 599-609	47
351	A facile and efficient route to hydrophilic ionic liquids through metathesis reaction performed in saturated aqueous solution. <b>2017</b> , 19, 1303-1307	6
350	Biological Activity of Ionic Liquids and Their Application in Pharmaceuticals and Medicine. <b>2017</b> , 117, 7132-7189	847
349	Nature of the C2-methylation effect on the properties of imidazolium ionic liquids. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 5326-5332	3.6 16
348	Tailoring the physical properties of the mixtures of ionic liquids: a microscopic point of view. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 8322-8329	3.6 21
347	Experimental study on CO <sub>2</sub> sorption capacity of the neat and porous silica supported ionic liquids and the effect of water content of flue gas. <b>2017</b> , 232, 462-470	25
346	Frontiers in poly(ionic liquid)s: syntheses and applications. <b>2017</b> , 46, 1124-1159	596

345	Dehydration of gluten matrix as a result of dietary fibre addition   A study on model flour with application of FT-IR spectroscopy. <b>2017</b> , 74, 86-94		31
344	Excess molar volumes and viscosity behaviour of binary mixtures of aniline/or N,N-dimethylaniline with imidazolium ionic liquids having triflate or bistriflamide anion. <b>2017</b> , 109, 137-154		18
343	Ionic liquids assisted processing of renewable resources for the fabrication of biodegradable composite materials. <b>2017</b> , 19, 2051-2075		92
342	Lyotropic Liquid-Crystalline Mesophase of Lithium Triflate Nonionic Surfactant as Gel Electrolyte for Graphene Optical Modulator. <b>2017</b> , 121, 11194-11200		2
341	Ionic Liquid-Silica Precursors via Solvent-Free Sol-Gel Process and Their Application in Epoxy-Amine Network: A Theoretical/Experimental Study. <b>2017</b> , 9, 16474-16487		12
340	Energy Efficient Solvents for CO <sub>2</sub> Capture by Gas-Liquid Absorption. <b>2017</b> ,		6
339	Protein hydration in living cells probed by Fourier transform infrared (FT-IR) spectroscopic imaging. <b>2017</b> , 142, 2475-2483		22
338	Tuning the structural, electronic and electrochemical properties of the 4-methyl-1-phenyl triazolium based [PhMeTAZ][Y18] ionic liquids through changing anions: A quantum chemical study. <b>2017</b> , 240, 138-151		10
337	Affinity regulation of the NH + HO system by ionic liquids with molecular interaction analysis. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 16242-16250	3.6	5
336	The Opposite Effect of Water and N-Methyl-2-Pyrrolidone Cosolvents on the Nanostructural Organization of Ethylammonium Butanoate Ionic Liquid: A Small- and Wide-Angle X-Ray Scattering and Molecular Dynamics Simulations Study. <b>2017</b> , 121, 6399-6407		3
335	Self-aggregation of trehalose in the mixed solvents of 1,3-dimethylimidazolium ionic liquid and water. <b>2017</b> , 43, 1160-1171		
334	Four new zinc(II) diphosphonates obtained via an ionothermal route: crystal structures and phase transformation behaviour. <b>2017</b> , 19, 2500-2508		3
333	Temperature-Responsive Ionic Liquids: Fundamental Behaviors and Catalytic Applications. <b>2017</b> , 117, 6881-6928		196
332	Infrared Spectroscopy of Ionic Liquids Consisting of Imidazolium Cations with Different Alkyl Chain Lengths and Various Halogen or Molecular Anions with and without a Small Amount of Water. <b>2017</b> , 121, 3121-3129		27
331	Ionic Liquids: Advanced Solvents for CO <sub>2</sub> Capture. <b>2017</b> , 153-176		3
330	X-ray and molecular dynamics studies of butylammonium butanoate-water binary mixtures. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 1975-1981	3.6	12
329	Study on interfacial properties of Imidazolium ionic liquids as surfactant and their application in enhanced oil recovery. <b>2017</b> , 516, 383-393		57
328	Vibrational Spectroscopy of Ionic Liquids. <b>2017</b> , 117, 7053-7112		208



327	Ultrafast igniting, imidazolium based hypergolic ionic liquids with enhanced hydrophobicity. <b>2017</b> , 41, 1250-1258		27
326	Partitioning of Amylase in aqueous biphasic system based on hydrophobic and polar ionic liquid: Enzyme extraction, stripping, and purification. <b>2017</b> , 52, 812-823		7
325	Local ion hydration structure in aqueous imidazolium-based ionic liquids: The effects of concentration and anion nature. <b>2017</b> , 247, 100-108		14
324	Volumetric and viscometric study and FT-IR analysis of binary and ternary mixtures of 1-butyl-3-methylimidazolium tetrafluoroborate, methyldiethanolamine and water. <b>2017</b> , 243, 664-676		10
323	Anion-Directed Metallogages: A Study on the Tendency of Anion Templatation. <b>2017</b> , 23, 15957-15965		4
322	Phase Transitions of the Ionic Liquid [C2C1im][NTf2] under High Pressure: A Synchrotron X-ray Diffraction and Raman Microscopy Study. <b>2017</b> , 17, 5384-5392		12
321	Rationalising the effects of ionic liquids on a nucleophilic aromatic substitution reaction. <b>2017</b> , 15, 6433-6440		14
320	The Remarkable Cooperative Effect of a Brønsted-Acidic Ionic Liquid in the Cyclization of 2-Aminobenzamides with Ketones. <b>2017</b> , 2017, 4955-4962		16
319	Concentration-Dependent Hydrogen Bond Behavior of Ethylammonium Nitrate Protic Ionic Liquid/Water Mixtures Explored by Molecular Dynamics Simulations. <b>2017</b> , 62, 2340-2349		20
318	Polarity of tetraalkylammonium-based ionic liquids and related low temperature molten salts. <b>2017</b> , 41, 8561-8567		10
317	Toward understanding the anticorrosive mechanism of some thiourea derivatives for carbon steel corrosion: A combined DFT and molecular dynamics investigation. <b>2017</b> , 506, 478-485		177
316	The properties of residual water molecules in ionic liquids: a comparison between direct and inverse Kirkwood-Buff approaches. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 18924-18937	3.6	28
315	Corrosion inhibition properties of two imidazolium ionic liquids with hydrophilic tetrafluoroborate and hydrophobic hexafluorophosphate anions in acid medium. <b>2017</b> , 56, 234-247		54
314	Effect of adding ionic liquid 1-ethyl-3-methylimidazolium tetrafluoroborate on the coordination environment of Li <sup>+</sup> ions in propylene carbonate, according to data from IR spectroscopy and quantum chemical modeling. <b>2017</b> , 91, 1444-1450		5
313	Properties of Protic Ionic Liquids Comprised of N-Alkyldiethylenetriamine and Their Complexation of Copper(II) Ions. <b>2017</b> , 2017, 3744-3754		4
312	A Mixture of Ionic Liquid and Ethanol Used for Galvanostatic Electrodeposition of Cu <sub>1-x</sub> Ga <sub>x</sub> Se <sub>2</sub> Thin Films. <b>2017</b> , 164, D969-D977		3
311	Density Functional Computations and Molecular Dynamics Simulations of the Triethylammonium Triflate Protic Ionic Liquid. <b>2017</b> , 121, 11410-11423		6
310	Study of Gas Dehydration Process by Ionic Liquid Method in a Rotating Packed Bed. <b>2017</b> , 31, 13400-13405		4

- 309 On the upper critical solution temperature of PNIPAAm in an ionic liquid: Effect of molecular weight, tacticity and water. **2017**, 120, 52-58 5
- 308 Water Complexes of Ionic Liquids: 1-Butyl-3-methyl Imidazolium Chloride and Tetrafluoroborate Systems in KBr Matrix.. **2017**, 2, 5202-5205 1
- 307 Freezing Point Determination of Water/Ionic Liquid Mixtures. **2017**, 62, 2374-2383 9
- 306 Interface between an Au(111) Surface and an Ionic Liquid: The Influence of Water on the Double-Layer Capacitance. **2017**, 4, 216-220 30
- 305 Ionic Liquids and Poly(ionic liquid)s for Morphosynthesis of Inorganic Materials. **2017**, 23, 5391-5403 54
- 304 A computational study of ion speciation in mixtures of protic ionic liquids with various molecular solvents: Insight into the solvent polarity and anion basicity. **2017**, 117, 170-179 3
- 303 Two-dimensional Raman spectroscopy study of ionogel phase formation in long-chain ionic liquid/water systems. **2017**, 48, 126-131 5
- 302 Crystallinity of regenerated cellulose from [Bmim]Cl dependent on the hydrogen bond acidity/basicity of anti-solvents. **2017**, 7, 41004-41010 12
- 301 Probing Molecular Interactions in 1-Butyl-3-methylimidazolium Chloride-Water and 2,6-Dimethoxyphenol Mixtures Using Attenuated Total Reflection Infrared Spectroscopy. **2017**, 30, 521-528 2
- 300 Distribution of N-Methylimidazole in Ionic Liquids/Organic Solvents Systems. **2017**, 5, 52 5
- 299 Ionic Liquid as Reaction Media for the Production of Cellulose-Derived Polymers from Cellulosic Biomass. **2017**, 1, 10 18
- 298 INVESTIGATING THE LONG-TERM STABILITY AND KINETICS OF SUPEROXIDE ION IN DIMETHYL SULFOXIDE CONTAINING IONIC LIQUIDS AND THE APPLICATION OF THIOPHENE DESTRUCTION. **2017**, 34, 227-239 3
- 297 Poisoning Effects of Water and Dyes on the [Bmim][BF<sub>4</sub>] Catalysis of Poly(Ethylene Terephthalate) (PET) Depolymerization under Supercritical Ethanol. **2017**, 7, 43 3
- 296 Water dissolution in ionic liquids between charged surfaces: effects of electric polarization and electrostatic correlation. **2018**, 3, 328-341 9
- 295 Solubility of carbon dioxide and methane in 1-hexyl-3-methylimidazolium nitrate ionic liquid, experimental and thermodynamic modeling. **2018**, 122, 31-37 14
- 294 Intermolecular hydrogen bonds in water@IL supramolecular complexes. *Physical Chemistry Chemical Physics*, **2018**, 20, 11608-11614 3.6 15
- 293 Solvent effect on a model SNAr reaction in ionic liquid/water mixtures at different compositions. **2018**, 42, 9645-9650 5
- 292 Nature of phase transitions of waxy maize starch in water-ionic liquid mixtures. **2018**, 112, 315-325 9

291	Improving Physical Adsorption of CO <sub>2</sub> by Ionic Liquids-Loaded Mesoporous Silica. <b>2018</b> , 41, 1272-1281		7
290	FTIR studies of gluten matrix dehydration after fibre polysaccharide addition. <b>2018</b> , 252, 198-206		40
289	"Solvent-in-salt" systems for design of new materials in chemistry, biology and energy research. <b>2018</b> , 47, 1250-1284		101
288	Investigating the mechanism through which ionic liquids initiate the polymerisation of epoxy resins. <b>2018</b> , 139, 163-176		34
287	Silver, Gold, Palladium, and Platinum N-heterocyclic Carbene Complexes Containing a Selenoether-Functionalized Imidazol-2-ylidene Moiety. <b>2018</b> , 37, 298-308		18
286	Influence of the alkyl chain length on densities and volumetric properties of 1,3-dialkylimidazolium bromide ionic liquids and their aqueous solutions. <b>2018</b> , 121, 72-78		9
285	Effect of water and ionic liquids on biomolecules. <b>2018</b> , 10, 795-808		23
284	Vapor Pressure Osmometry Studies of Aqueous Ionic Liquid/Carbohydrate Systems. <b>2018</b> , 63, 331-340		2
283	Solvent Water Content as a Factor in the Design of Metal Ion Extraction Systems Employing Ionic Liquids. <b>2018</b> , 36, 191-205		2
282	Solvation of alcohols in ionic liquids - understanding the effect of the anion and cation. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 2536-2548	3.6	14
281	Biocatalysis at Room Temperature. <b>2018</b> , 89-134		1
280	Effect of molecular solvents of varying polarity on the self-assembly of 1-n-dodecyl-3-methylimidazolium octylsulfate ionic liquid. <b>2018</b> , 17, 1840004		3
279	The heat capacities and critical behaviors of binary ionic solutions. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 9130-9138	3.6	2
278	Water vapor electron scattering cross-section measurements using a hydrophobic ionic liquid. <b>2018</b> , 222, 162-166		6
277	Micro-scale processes occurring in ionic liquid/water phases during extraction. <b>2018</b> , 196, 318-326		14
276	Influence of the anion nature and alkyl substituents in the behavior of ionic liquids derived from phenylpyridines. <b>2018</b> , 1154, 382-391		4
275	Influence of Water on the Carbon Dioxide Solubility in [OTf] <sup>-</sup> and [eFAP] <sup>-</sup> -Based Ionic Liquids. <b>2018</b> , 63, 907-912		10
274	Effects of Silica Surfaces on the Structure and Dynamics of Room-Temperature Ionic Liquids: A Molecular Dynamics Simulation Study. <b>2018</b> , 122, 624-634		24

273	Ionic Liquids As Tunable Toxicity Storage Media for Sustainable Chemical Waste Management. <b>2018</b> , 6, 719-726	24
272	Synthesis and characterization of mesoporous silica nanoparticles using ionic liquids as a template. <b>2018</b> , 1123, 012068	8
271	The peculiar effect of water on ionic liquids and deep eutectic solvents. <b>2018</b> , 47, 8685-8720	193
270	. <b>2018</b> ,	3
269	Minimizing the electrosorption of water from humid ionic liquids on electrodes. <b>2018</b> , 9, 5222	54
268	Ionic Liquids as Solvents for S 2 Processes. Demonstration of the Complex Interplay of Interactions Resulting in the Observed Solvent Effects. <b>2018</b> , 83, 1162-1168	6
267	Physicochemical features of short-chain 1-alkyl-3-methylimidazolium bis(trifluoromethylsulfonyl)-imide ionic liquids containing equilibrium water absorbed from air. <b>2018</b> , 272, 759-765	11
266	Examining the effects of storage on the initiation behaviour of ionic liquids towards the cure of epoxy resins. <b>2018</b> , 133, 9-20	13
265	Organic Reaction Outcomes in Ionic Liquids. <b>2018</b> , 49-85	4
264	Formation of Aqueous Biphasic Systems with an Ionic Liquid Induced by Metallic Salts: Nanoscopic Views from Molecular Dynamics Simulations. <b>2018</b> , 122, 10143-10157	3
263	Dynamic properties of water molecules in ionic liquid/water mixture with various alkyl chain length. <b>2018</b> , 264, 337-342	16
262	Carboxyl-functionalized ionic liquids: synthesis, characterization and synergy with rare-earth ions. <b>2018</b> , 6, 6270-6279	8
261	Electrochemical behavior of platinum and gold electrodes in the aprotic ionic liquid N,N-Trimethylbutylammonium Bis(trifluoromethanesulfonyl)imide. <b>2018</b> , 823, 445-454	4
260	The hydrogen bonding enthalpies of water and methanol in ionic liquids. <b>2018</b> , 667, 173-176	2
259	Tribological properties of ionic liquids for steel/aluminum, steel/copper and steel/Si3N4 ceramic contacts under boundary lubrication. <b>2018</b> , 70, 1158-1168	5
258	Chiral recognition of propranolol enantiomers by chiral ionic liquid: A quantum chemical calculation analysis. <b>2018</b> , 1140, 38-48	9
257	Characteristics of the chemical processes induced by celluloses in the model and gluten dough studied with application of FTIR spectroscopy. <b>2018</b> , 85, 176-184	13
256	Structures of binary mixtures of ionic liquid 1-butyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide with primary alcohols: The role of hydrogen-bonding. <b>2018</b> , 261, 337-349	17

255	Molybdenum oxide micro- and nanorods: structure and thermal properties dependent on perturbation during synthesis. <b>2018</b> , 5, 105009	0
254	Aqueous acidic solution - ionic liquid biphasic system: An original investigation by diffusion ordered spectroscopy nuclear magnetic resonance. <b>2018</b> , 269, 684-693	3
253	Ionic liquids with two typical hydrophobic anions as acidic corrosion inhibitors. <b>2018</b> , 269, 886-895	39
252	Intermolecular Interactions and Vibrational Perturbations within Mixtures of 1-Ethyl-3-methylimidazolium Thiocyanate and Water. <b>2018</b> , 122, 27673-27680	10
251	Excited-state prototropism of 7-hydroxy-4-methylcoumarin in [Cmim][BF] series of ionic liquid-water mixtures: insights on reverse micelle-like water nanocluster formation. <b>2018</b> , 17, 1256-1266	5
250	Conversion of paper to film by ionic liquids: manufacturing process and properties. <b>2018</b> , 25, 6107-6119	11
249	Facile preparation and electrochemical characterization of self-assembled core-shell diamond-polypyrrole nanocomposites. <b>2018</b> , 555, 787-794	12
248	Electrodeposition of Zinc from 1-ethyl-3-methylimidazolium acetate-water Mixtures: Investigations on the Applicability of the Electrolyte for Zn-Air Batteries. <b>2018</b> , 165, D354-D363	18
247	Predicting solvent effects in ionic liquids: Extension of a nucleophilic aromatic substitution reaction on a benzene to a pyridine. <b>2018</b> , 31, e3862	7
246	Counteranion-dependent sorption of imidazolium- and benzimidazolium-based ionic liquids by soot. <b>2018</b> , 202, 264-271	7
245	Treating bituminous coal with ionic liquids to inhibit coal spontaneous combustion. <b>2019</b> , 135, 2711-2721	25
244	Raman investigation on the local structure of alcohols in 1-butyl-3-methylimidazolium tetrafluoroborate. <b>2019</b> , 293, 111508	4
243	Interaction of imidazolium based ionic liquids with aqueous Triton X-100 surfactant: Clouding, fluorescence and NMR studies. <b>2019</b> , 293, 111481	7
242	Solvation in ionic liquid-water mixtures: A computational study. <b>2019</b> , 292, 111273	7
241	In Situ Fourier Transform Infrared Study of the Effects of Silica Mesopore Confinement on Hydration of Ionic Liquid 1-Butyl-3-methylimidazolium Chloride. <b>2019</b> , 58, 22609-22618	1
240	Structural Anomalies in Binary Mixtures of Ionic Liquid [Bmim]BF with Water Studied by EPR. <b>2019</b> , 123, 9956-9962	11
239	Structural and Thermal Properties of Montmorillonite/Ionic Liquid Composites. <b>2019</b> , 12,	19
238	Spectroscopic and computational insights into the ion-solvent interactions in hydrated aprotic and protic ionic liquids. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 20791-20804	3.6 4

- 237 Unexpected cosolvency of water on poly(propylene glycol) in hydrophobic ionic liquid. **2019**, 297, 1375-1381 1
- 236 Electrical and Electrochemical Behavior of Carbon Paste Electrodes Modified with Ionic Liquids Based in -Octylpyridinium Bis(Trifluoromethylsulfonyl)Imide. A Theoretical and Experimental Study. **2019**, 24, 5
- 235 Ultra-deep removal of thiophene from model oil, catalyzed by amphiphilic ionic liquids in reverse micellar system. **2019**, 132, 105811 6
- 234 Ionic liquid pretreatment as an emerging approach for synthesis of a magnetic adsorbent derived from *Broussonetia papyrifera* leaves for dye removal. **2019**, 54, 3019-3026 6
- 233 The structure and hydrogen-bond behaviours of binary systems containing ionic liquid 1-butyl-3-methylimidazolium tetrafluoroborate and methanol/ethanol. **2019**, 223, 117312 8
- 232 On the interplay between the local structure and dynamics in low concentration mixtures of H<sub>2</sub>O and HOD in the [Emim<sup>+</sup>][TF<sub>2</sub>N<sup>-</sup>] room temperature ionic liquid. **2019**, 289, 111135 5
- 231 Influence of Ions and Temperature on Aqueous Biphasic Systems Containing Ionic Liquid and Ammonium Sulfate. **2019**, 64, 3139-3147 7
- 230 On the Miscibility and Immiscibility of Ionic Liquids and Water. **2019**, 123, 5343-5356 15
- 229 Effects of Operating Parameters on Ionic Liquid Membrane to Remove Humidity in a Green Continuous Process. **2019**, 9, 2
- 228 Mechanistic Insights on CO<sub>2</sub> Reduction Reactions at Platinum/[BMIM][BF<sub>4</sub>] Interfaces from In Operando Spectroscopy. **2019**, 9, 6284-6292 21
- 227 Water molecular state in 1-hexylpyridinium hexafluorophosphate: Water mean cluster size as a function of water concentration. **2019**, 292, 111109 1
- 226 Aqueous Mixtures of Room-Temperature Ionic Liquids: Entropy-Driven Accumulation of Water Molecules at Interfaces. **2019**, 123, 13795-13803 24
- 225 Crystallization of mixtures of hydrophilic ionic liquids and water: Evidence of microscopic inhomogeneities. **2019**, 552, 43-50 7
- 224 Ionic-Liquid-Based Printable Materials for Thermochromic and Thermoresistive Applications. **2019**, 11, 20316-20324 22
- 223 Diffusional Dynamics of Tetraalkylphosphonium Ionic Liquid Films Measured by Fluorescence Correlation Spectroscopy. **2019**, 123, 4943-4949 1
- 222 The Dependence of Ionic Liquid Solvent Effects on the Nucleophilic Heteroatom in S<sub>N</sub>Ar Reactions. Highlighting the Potential for Control of Selectivity. **2019**, 84, 465-473 4
- 221 Non-covalent interactions in bmimCl/co-solvent mixtures: A FTIR spectroscopy and computational study. **2019**, 285, 688-696 4
- 220 Interplay of Different Moieties in the Binary System 1-Ethyl-3-methylimidazolium Trifluoromethanesulfonate/Water Studied by Raman Spectroscopy and Density Functional Theory Calculations. **2019**, 123, 4004-4016 8

219	Confirmation of local water structure confined in ionic liquids using H/D exchange. <b>2019</b> , 286, 110874	15
218	Water-mediated weakening of inter-ionic interactions in aqueous mixtures of ionic liquid: An investigation combining quantum chemical calculations and molecular dynamics simulations. <b>2019</b> , 524, 31-39	5
217	Utilizing Water Activity as a Simple Measure to Understand Hydrophobicity in Ionic Liquids. <b>2019</b> , 7, 112	6
216	Electrodeposition of composition controllable ZnNi coating from water modified deep eutectic solvent. <b>2019</b> , 366, 138-145	16
215	Equilibrium Structure, Hydrogen Bonding, and Proton Conductivity in Half-Neutralized Diamine Ionic Liquids. <b>2019</b> , 123, 5608-5625	2
214	Dissolution of Maize Starch in Aqueous Ionic Liquids: The Role of Alkyl Chain Length of Cation and Water:Ionic Liquid Ratio. <b>2019</b> , 7, 6898-6905	19
213	Dependence of mesoporous silica properties on its template. <b>2019</b> , 45, 12149-12153	10
212	Decreased Biomass Recalcitrance Effect and Enhanced Hydrolysis Using Ionic Liquids: Toward Improvements in Isofraxidin Extraction. <b>2019</b> , 4, 6000-6009	2
211	Interesting core-shell structure and "V-shape" shift: The property and formation mechanism of structural heterogeneity in cellulose hydrogel. <b>2019</b> , 217, 110-115	2
210	Molecular-Level Insights into the Microstructure of a Hydrated and Nanoconfined Deep Eutectic Solvent. <b>2019</b> , 123, 3359-3371	8
209	Porous aromatic polyamides the easy and green way. <b>2019</b> , 116, 91-98	7
208	Ionic Liquids as Potential Green Solvents Their Interactions with Surfactants and Antidepressant Drugs. <b>2019</b> , 291-323	2
207	Insight into the structure and interaction properties of 1-propyl nitrile-3-methylimidazolium bis(trifluoromethylsulfonyl)imide and chloroform mixtures. <b>2019</b> , 283, 748-755	7
206	Progress on the pre-treatment of lignocellulosic biomass employing ionic liquids. <b>2019</b> , 105, 268-292	91
205	How Water Permutes the Structural Organization and Microscopic Dynamics of Cholinium Glycinate Biocompatible Ionic Liquid. <b>2019</b> , 123, 2057-2069	17
204	Magnetic solid-phase extraction based on g-C <sub>3</sub> N <sub>4</sub> /Fe <sub>3</sub> O <sub>4</sub> /MoS <sub>2</sub> as a magnetic adsorbent for HPLC-UV determination of fluoroquinolones in chicken and eggs. <b>2019</b> , 11, 1491-1499	17
203	Quantitative analysis of free water in ionic liquid-water mixtures. <b>2019</b> , 199, 407-414	7
202	Modeling the Water Solubility in Imidazolium-Based Ionic Liquids Using the Peng-Robinson Equation of State. <b>2019</b> , 58, 4341-4353	1

201	Vibration Spectral Dynamics of Weakly Coordinating Water Molecules near an Anion: FPMD Simulations of an Aqueous Solution of Tetrafluoroborate. <b>2019</b> , 123, 2135-2146	2
200	Correlating ionic liquid solvent effects with solvent parameters for a reaction that proceeds through a xanthylium intermediate. <b>2019</b> , 17, 9336-9342	6
199	Light-controlled flexible tunable grating-based absorption spectroscopy for gas detection. <b>2019</b> , 115, 223703	
198	Water-assisted stability of carbene: cyclic voltammetric investigation of 1-ethyl-3-methylimidazolium ethylsulfate ionic liquid. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 24126 <sup>6</sup> -24131	
197	Effect of water on the interfacial structures of room-temperature ionic liquids. <b>2019</b> , 51, 17-20	6
196	Water-in-deep eutectic solvent electrolytes enable zinc metal anodes for rechargeable aqueous batteries. <b>2019</b> , 57, 625-634	257
195	A combination of FTIR and DFT to study the structure and interaction properties of TSILs and water mixture. <b>2019</b> , 275, 49-56	8
194	Effects of water on ionic liquid electrochemical microsensor for oxygen sensing. <b>2019</b> , 285, 350-357	5
193	Vapor liquid equilibrium prediction of methanol/ionic liquid systems using UNIFAC model to select alternative working fluids of absorption cycle. <b>2019</b> , 14, e2281	4
192	Liquid-liquid extraction of hydroxytyrosol, tyrosol, and oleuropein using ionic liquids. <b>2019</b> , 54, 2895-2906	2
191	Water at ionic liquids-solid interfaces. <b>2019</b> , 13, 11-17	21
190	Solutions of ionic liquids with diverse aliphatic and aromatic solutes [Phase behavior and potentials for applications: A review article. <b>2019</b> , 12, 1628-1640	7
189	The effect of the structure of the anion of an ionic liquid on the rate of reaction at a phosphorus centre. <b>2019</b> , 32, e3819	7
188	Absorption of n-butane in imidazolium and phosphonium ionic liquids and application to separation of hydrocarbon gases. <b>2019</b> , 214, 139-147	9
187	Use of Ionic Liquid as Template for Hydrothermal Synthesis of the MCM-41 Mesoporous Material. <b>2020</b> , 12, 289-294	12
186	A combination of FTIR and DFT to study the microscopic structure and hydrogen-bonding interaction properties of the [BMIM][BF] and water. <b>2020</b> , 226, 117624	15
185	Modeling the activity coefficient at infinite dilution of water in ionic liquids using artificial neural networks and support vector machines. <b>2020</b> , 32, 8635-8653	11
184	Impact of water on the hydrogen bonding between halide-based ion-pairs investigated by Raman scattering and density functional theory calculations. <b>2020</b> , 51, 147-164	15



183	Phase transition of maize starch in aqueous ionic liquids: Effects of water:ionic liquid ratio and cation alkyl chain length. <b>2020</b> , 144, 112043		7
182	Effect of moisturizing pre-treatment of dietary fibre preparations on formation of gluten network during model dough mixing [A study with application of FT-IR and FT-Raman spectroscopy. <b>2020</b> , 121, 108959		14
181	Ionic liquids synthesis and applications: An overview. <b>2020</b> , 297, 112038		288
180	Electrochemical fabrication of cobalt films in a choline chloride-ethylene glycol deep eutectic solvent containing water. <b>2020</b> , 74, 699-709		10
179	Metal Ion Extraction With Ionic Liquids. <b>2020</b> , 539-564		1
178	Microstructures, mechanical properties and corrosion resistance of sprayed CaF <sub>2</sub> coating for micropatterning carbon/carbon substrate surface. <b>2020</b> , 46, 7374-7387		1
177	Enhancement of sulfonated poly(ether ether ketone)-based proton exchange membranes doped with different ionic liquids cations. <b>2020</b> , 26, 5661-5672		6
176	Temperature Effects on CO <sub>2</sub> Electroreduction Pathways in an Imidazolium-Based Ionic Liquid on Pt Electrode. <b>2020</b> , 124, 26094-26105		7
175	The structure and hydrogen-bond properties of -alkyl--methyl-pyrrolidinium bis(trifluoromethylsulfonyl)imide and DMSO mixtures. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 28021-28031	3.6	7
174	Molecular Assembling in Mixtures of Hydrophilic 1-Butyl-1-Methylpyrrolidinium Dicyanamide Ionic Liquid and Water. <b>2020</b> , 10, 4837		2
173	Enhancement of Hydrogen Peroxide Reduction Current by an Electrode Modified with Hybrid Polymer/Silica Particles and N,N-diethyl-N-(2-methoxy-ethyl)-N-methylammonium bis(trifluoromethylsulfonyl)imide. <b>2020</b> , 32, 2113-2117		
172	Effect of anion in diluted imidazolium-based ionic liquid/buffer electrolytes for CO <sub>2</sub> electroreduction on copper. <b>2020</b> , 361, 136787		5
171	Ultrafast Aqueous Dynamics in Concentrated Electrolytic Solutions of Lithium Salt and Ionic Liquid. <b>2020</b> , 124, 9898-9912		8
170	Revisiting Ionic Liquid Structure-Property Relationship: A Critical Analysis. <b>2020</b> , 21,		29
169	Hydrogen-bonded host-guest systems are stable in ionic liquids. <b>2020</b> , 10, 15414		1
168	Competition between Solvent-Solvent and Solvent-Solute Interactions in the Microhydration of the Hexafluorophosphate Anion, PF <sub>6</sub> <sup>-</sup> (H <sub>2</sub> O). <b>2020</b> , 124, 8744-8752		1
167	Potential-Induced Adsorption and Structuring of Water at the Pt(111) Electrode Surface in Contact with an Ionic Liquid. <b>2020</b> , 11, 7116-7121		9
166	Insights into the local structures of water in 1-butyl-3-methylimidazolium iodide. <b>2020</b> , 319, 114152		1

165	Use of Ionic Liquids in Protein and DNA Chemistry. <b>2020</b> , 8, 598662		18
164	The confinement and anion type effect on the physicochemical properties of ionic liquid/halloysite nanoclay ionogels. <b>2020</b> , 13, 9090-9104		5
163	Capillary zone electrophoresis of proteins applying ionic liquids for dynamic coating and as background electrolyte component. <b>2020</b> , 41, 2083		0
162	Induced Protic Behaviour in Aprotic Ionic Liquids by Anion Basicity for Efficient Carbon Dioxide Capture. <b>2020</b> , 21, 1369-1374		6
161	Effect of Ionic Liquid Structure on the Electrochemical Response of Dopamine at Room Temperature Ionic Liquid-modified Carbon Paste Electrodes (IL/CPE). <b>2020</b> , 32, 1938-1948		6
160	Polyimide/Ionic Liquid Composite Membranes for Middle and High Temperature Fuel Cell Application: Water Sorption Behavior and Proton Conductivity. <b>2020</b> , 10,		12
159	Proton Transport in [BMIM][BF <sub>4</sub> ]/Water Mixtures Near the Percolation Threshold. <b>2020</b> , 124, 5957-5970		3
158	Non-covalent interactions of imidazolium-based ionic liquids with model pyrrolidones revealed by FTIR spectroscopy and quantum chemical model calculations. <b>2020</b> , 312, 113445		1
157	The Nature of Carbon Dioxide in Bare Ionic Liquids. <b>2020</b> , 13, 3101-3109		17
156	Glucose in dry and moist ionic liquid: vibrational circular dichroism, IR, and possible mechanisms. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 10726-10737	3.6	7
155	Simultaneous capture of acid gases from natural gas adopting ionic liquids: Challenges, recent developments, and prospects. <b>2020</b> , 123, 109771		37
154	Theoretical Study on Hydrolytic Stability of Borohydride-Rich Hypergolic Ionic Liquids. <b>2020</b> , 124, 2942-2950		4
153	Ion Pairs of 1-Butyl-3-Methylimidazolium Triflate Do Not Dissociate in Propan-1-ol: A Vibrational Spectroscopic Viewpoint. <b>2020</b> , 10, 1620		1
152	Experimental and calculation studies on the relationship between the hygroscopic behavior and lubrication properties of ionic liquids. <b>2020</b> , 529, 147031		4
151	Handling CO <sub>2</sub> sorption mechanism in PIL@IL composites. <b>2020</b> , 41, 101225		5
150	Controlling the reactions of 1-bromogalactose acetate in methanol using ionic liquids as co-solvents. <b>2020</b> , 18, 5442-5452		3
149	Decoding biomass recalcitrance: Dispersion of ionic liquid in aqueous solution and efficient extraction of lignans with microwave magnetic field. <b>2020</b> , 15, e0226901		0
148	Controllable Friction of Green Ionic Liquids via Environmental Humidity. <b>2020</b> , 22, 1901253		10

147	Tuning Water Networks via Ionic Liquid/Water Mixtures. <b>2020</b> , 21,			13
146	Quantitative analysis of the interaction of ammonia with 1-(2-hydroxyethyl)-3-methylimidazolium tetrafluoroborate ionic liquid. Understanding the volumetric and transport properties of their mixtures. <b>2020</b> , 301, 112440			3
145	Reciprocity between ion-dipole and hydrogen bond interactions in the binary mixtures of N,N-Dimethylformamide with ionic liquids. <b>2020</b> , 301, 112487			3
144	Influence of Hydration on the Structure and Interactions of Ethaline Deep-Eutectic Solvent: A Spectroscopic and Computational Study. <b>2020</b> , 21, 995-1005			14
143	Aqueous solutions of carbohydrates are new choices of green solvents for highly efficient exfoliation of two-dimensional nanomaterials. <b>2020</b> , 309, 113087			4
142	Solvation properties of protic ionic liquid-molecular solvent mixtures. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 10995-11011	3.6		11
141	Microstructural and Dynamical Heterogeneities in Ionic Liquids. <b>2020</b> , 120, 5798-5877			120
140	Tracing Local Nanostructure of the Aqueous Solutions of the Biocompatible [Cho][Gly] Ionic Liquid: Importance of Hydrogen Bond Attraction between Like-Charged Ions. <b>2020</b> , 124, 3770-3783			7
139	Molecular transport in ionic liquid/nanomembrane hybrids. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 9808-9814	3.6		0
138	Acylselenoureato bis(chelates) of lead: synthesis, structural characterization and microwave-assisted formation of PbSe nano- and microstructures. <b>2020</b> , 44, 7719-7726			4
137	Development of a novel cellulose solvent based on pyrrolidinium hydroxide and reliable solubility analysis.. <b>2020</b> , 10, 11475-11480			6
136	Nitrile group as IR probe to detect the structure and hydrogen-bond properties of piperidinium/pyrrolidinium based ionic liquids and acetonitrile mixtures. <b>2021</b> , 322, 114548			1
135	Pickering emulsion stabilized by dual stabilizer: A novel reaction/separation system for methacrolein synthesis. <b>2021</b> , 229, 116038			5
134	Exploring the interaction of amino acid-based ionic liquids in water and organic solvents: Insight from MD simulations and QM calculations. <b>2021</b> , 327, 114867			
133	Structural and quantitative analysis of water association in ethylammonium nitrate mixtures using soft modeling resolution of NIR spectra and molecular dynamics simulations. <b>2021</b> , 327, 114789			0
132	Visualization of the Mechanical Wave Effect on Liquid Microphases and Its Application for the Tuning of Dissipative Soft Microreactors. <b>2021</b> , 1, 87-97			4
131	Wetting behavior of aqueous 1-alkyl-3-methylimidazolium tetrafluoroborate {[C <sub>n</sub> MIM][BF <sub>4</sub> ] (n = 2, 4, 6)} on graphite surface. <b>2021</b> , 229, 116078			2
130	Characterization of pH Dependent-Charged Structures of Valine and Aspartic Acid Through Their Partitioning into Imidazolium-Based Ionic Liquids. <b>2021</b> , 45, 155-161			

129	Fundamentals of ATR-FTIR Spectroscopy and Its Role for Probing In-Situ Molecular-Level Interactions. <b>2021</b> , 3-37		1
128	Hydrogen to Deuterium Exchange Rate Measurement in Ionic Liquid-Water Mixture Using NMR. <b>2021</b> , 33, 2514-2518		0
127	Structure, Molecular Interactions, and Dynamics of Aqueous [BMIM][BF] Mixtures: A Molecular Dynamics Study. <b>2021</b> , 125, 1227-1240		4
126	Synergistic action of EmimAc and aqueous NaOH for selective dissolution of hemicellulose for cellulose purification. <b>2021</b> , 28, 1331-1338		0
125	The physical significance of the Kamlet-Taft * parameter of ionic liquids. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 1616-1626	3.6	7
124	Confining Water in Ionic and Organic Solvents to Tune Its Adsorption and Reactivity at Electrified Interfaces. <b>2021</b> , 54, 1034-1042		7
123	Interplay of Acidity and Ionic Liquid Structure on the Outcome of a Heterocyclic Rearrangement Reaction. <b>2021</b> , 86, 4045-4052		1
122	A novel strategy to reduce the viscosity of cellulose-ionic liquid solution assisted by transition metal ions. <b>2021</b> , 256, 117535		0
121	Short alkyl chain length ionic liquid as organic modifier in polypropylene/clay nanocomposite: a thermal comparative study. <b>2021</b> , 3, 1		1
120	Balance Between Contact and Solvent-Separated Ion Pairs in Mixtures of the Protic Ionic Liquid [EtNH][MeSO] with Water Controlled by Water Content and Temperature. <b>2021</b> , 125, 4476-4488		3
119	Photocurable temperature activated humidity hybrid sensing materials for multifunctional coatings. <b>2021</b> , 221, 123635		1
118	Influence of counteranion and humidity on the thermal, mechanical and conductive properties of covalently crosslinked ionenes. <b>2021</b> , 222, 123641		1
117	Optical and antibacterial properties of 1-butyl-3-methylimidazolium ionic liquids with trifluoromethanesulfonate or tetrafluoroborate anion. <b>2021</b> , 264, 124369		1
116	Modeling dissociation of ionic liquids with electrolyte NRTL model. <b>2021</b> , 329, 115524		3
115	Electrical Double Layer Structure in Ionic Liquids and Its Importance for Supercapacitor, Battery, Sensing, and Lubrication Applications. <b>2021</b> , 125, 13707-13720		13
114	Hygroscopicity of 1:2 Choline Chloride:Ethylene Glycol Deep Eutectic Solvent: A Hindrance to its Electroplating Industry Adoption.		0
113	Inorganic Synthesis Based on Reactions of Ionic Liquids and Deep Eutectic Solvents. <b>2021</b> , 60, 22148-22165		28
112	How a small modification in the imidazolium-based SDA can determine the zeolite structure? MFI vs. TON. <b>2021</b> , 322, 111160		

111	Choline Chloride-based Deep Eutectic Solvents for Degradation of Waste Cotton Fibrics to 5-Hydroxymethylfurfural.	0
110	Ionische Flüssigkeiten und stark eutektische Lösungsmittel in der anorganischen Synthese. <b>2021</b> , 133, 22320-22338	1
109	Ionic liquids containing plant derived benzoate as anions, exhibiting supramolecular polymeric aggregation: Impact of the aggregation on organic catalysis in aqueous medium. <b>2021</b> , 336, 116329	3
108	Striking temperature-dependent molecular reorganization at the C-2 position of [EMIM][BF <sub>4</sub> ]. <b>2021</b> , 783, 138956	
107	Equilibrium solubility measurement of carbon dioxide in hybrid solvents of aqueous N-methyldiethanolamine blended with 1-Methyl-3-octyl-imidazolium tetrafluoroborate ionic liquid at high pressures. <b>2021</b> , 337, 116571	5
106	High throughput study of ionic liquids in controlled environments with FTIR spectroscopic imaging. <b>2021</b> , 337, 116412	2
105	Boundary lubricity of phosphonium bisoxalatoborate ionic liquids. <b>2021</b> , 161, 107075	2
104	Thermodynamic and spectroscopic properties of binary {1-Ethyl-3-methylimidazolium thiocyanate ([EMIM][SCN]) + alcohols} mixtures at T = (298.15 to 308.15) K and p = (0.1 to 40) MPa: Experimental study and modelling. <b>2021</b> , 160, 106489	2
103	Thermal stability of ionic liquids in nitrogen and air environments. <b>2021</b> , 161, 106560	5
102	Thermochemical and Structural Studies of New Chiral and Achiral Long Alkyl Chain Functionalized Imidazolinium Ionic Liquids.	0
101	Ionic liquids for regulating biocatalytic process: Achievements and perspectives. <b>2021</b> , 51, 107702	11
100	Investigation of the aggregation behaviour of the anionic surfactant sodium dodecyl sulfate in ionic liquids 1-allyl-3-methylimidazolium chloride and 1-Ethyl-3-methylimidazolium diethyl phosphate. <b>2021</b> , 343, 117610	1
99	Multifunctional Polymers Based on Ionic Liquid and Rose Bengal Fragments for the Conversion of CO <sub>2</sub> to Carbonates. <b>2021</b> , 9, 2309-2318	4
98	Accurate Measurement of Physicochemical Properties on Ionic Liquids and Molten Salts. 229-263	1
97	Transition-Metal Complexes in Supported Liquid Phase and Supercritical Fluids: A Beneficial Combination for Selective Continuous-Flow Catalysis with Integrated Product Separation. 273-296	2
96	Structural Organization in Neat Ionic Liquids and in Their Mixtures. <b>2014</b> , 39-61	10
95	Solubilization of Biomass Components with Ionic Liquids Toward Biomass Energy Conversions. <b>2014</b> , 29-59	2
94	Choline Chloride-Derived ILs for Activation and Conversion of Biomass. <b>2014</b> , 61-87	3

93	Aqueous-phase green synthesis of formate-based ionic liquids and their thermophysical properties. <b>2019</b> , 279, 370-377	1
92	Comparative study of atmospheric ionic liquids based on bis(trifluoromethylsulfonyl)imide anion and alkyl substituted cations of ammonium, pyrrolidinium and imidazolium. <b>2020</b> , 312, 113368	5
91	Alkali-Based Pretreatment-Facilitated Lignin Valorization: A Review. <b>2020</b> , 59, 16923-16938	22
90	CHAPTER 13:Supported ILs and Materials Based on ILs for the Development of Green Synthetic Processes and Procedures. <b>2019</b> , 289-318	3
89	Entrapment of an Ionic Liquid in a Metallic Silver Matrix through Precipitation. <b>2008</b> , 61, 329	8
88	Influence of humidity on performance and microscopic dynamics of an ionic liquid in supercapacitor. <b>2017</b> , 1,	12
87	Extraction of Biofuels and Biofeedstocks Using Ionic Liquids. <b>2009</b> , 371-379	2
86	Ionic liquids in catalysis: molecular and nanometric metal systems. <b>2016</b> , 4, 23-36	2
85	Synthesis, Characterization and Applications of Dicationic Ionic Liquids in Organic Synthesis. <b>2020</b> , 17, 450-464	10
84	Influence of Ionic Liquid as a Template on Preparation of Porous $\text{Al}_2\text{O}_3$ to DME Synthesis from Methanol. <b>2010</b> , 31, 1628-1632	2
83	Water Content and Properties of Aliphatic Ammonium Imide-Type Room Temperature Ionic Liquid Containing Metal Ions. <b>2005</b> , 73, 686-691	14
82	Water Solubility Trends in Ionic Liquids: The Quantitative Structure-Property Relationship Model versus Molecular Dynamics. <b>2021</b> , 125, 11491-11497	1
81	Protein aggregation and crystallization with ionic liquids: Insights into the influence of solvent properties. <b>2021</b> , 608, 1173-1190	4
80	Solvatochromic probes behaviour within ternary room temperature 1-butyl-3-methyl imidazolium tetrafluoroborate + methanol + water solutions. <b>2021</b> , 344, 117767	
79	Ionic Liquids in Metal Catalyzed Reactions.	
78	The Cooperative Templating Effect of Organic Amine in the Ionothermal Synthesis of LTA Type Aluminophosphate Molecular Sieves. <b>2010</b> , 31, 1083-1089	4
77	10.2478/s11814-009-0188-5. <b>2011</b> , 26, 1130	
76	Difusividade térmica aparente de sementes de cajupó em temperaturas acima do congelamento até ultra baixas temperaturas. <b>2012</b> , 16, 303-308	

- 75 The first solvation shell of Reichardt's dye in ionic liquids: a semiempirical study. **2013**, 299-305
- 74 Organic co-solvents mediated variation in anion-water hydrogen bonding in [Bmim][BF<sub>4</sub>] ionic liquid through FTIR spectroscopy. **2015**, 4, 67-69
- 73 Lipase-Catalyzed Reactions in Nonaqueous Media. **2015**, 83-112
- 72 Ionic Liquids and Poly (Ionic Liquid)s Used as Green Solvent and Ultrasound Responed Materials. **2017**, 327-346
- 71 CHAPTER 16. Noncovalent Interactions in Ionic Liquids. **2019**, 350-376
- 70 Understanding the Failure Mechanism of Rechargeable Aluminum Batteries: Metal Anode Perspective Through X-Ray Tomography. 2100164
- 69 Encyclopedia of Ionic Liquids. **2021**, 1-12
- 68 High-efficacy glycerol acetalization with silica gel immobilized Brønsted acid ionic liquid catalysts: preparation and comprehending the counter-anion effect on the catalytic activity. 1
- 67 Newly designed flow reactor as an original method of synthesis of ionic liquids by ion-exchange reactions. **2021**, 153500
- 66 Structure and dynamics of nanoconfined water and aqueous solutions. **2021**, 44, 136 6
- 65 Water sorption by ionic liquids: Evidence of a diffusion-controlled sorption process derived from the case study of [BMIm][OAc]. **2021**, 348, 118023 0
- 64 Effects of Ionic Liquids on the Nucleofugality of Chloride. **2021**, 0
- 63 Interactions of C<sub>2</sub>H<sub>6</sub> and C<sub>2</sub>H<sub>4</sub> with the homologous series [C<sub>n</sub>MIM][BF<sub>4</sub>] ionic liquids at high pressure studied by in situ ATR-FTIR spectroscopy. **2021**, 118082 0
- 62 Influences of the Anions on the Interaction Energy between Water and Ionic Liquids. 0
- 61 An Electrostatic-variable Coarse-grained Model for Predicting Enthalpy of Vaporization, Surface Tension, Diffusivity, Conductivity, and Dielectric Constant of Aqueous Ionic Liquid. **2021**, 346, 118230 0
- 60 Local Structure in Mixtures of Ionic Liquid with Molecular Solvent: Vibration Spectroscopy, NMR and Molecular Dynamics Simulation. **2021**, 289-334
- 59 Are ionic liquids eco-friendly?. **2022**, 157, 112039 10
- 58 Enhanced adsorption-based atmospheric water harvesting using a photothermal cotton rod for freshwater production in cold climates.. **2021**, 11, 35695-35702 3

57	Molar and partial molar thermodynamic functions of [BMIm]BF <sub>4</sub> /water mixture (Gibbs free energy, entropy and enthalpy). 1-16	0
56	Ionothermal synthesis of calcium-based metal-organic frameworks in a deep eutectic solvent. <b>2022</b> , 24, 601-608	0
55	Physico-chemical characterization of aqueous solutions of superbase ionic liquids with cellulose dissolution capability. <b>2022</b> , 113414	1
54	Unique Evolution of the Local Structure of 1-Butyl-3-methylimidazolium Iodide and Alcohol Mixtures: Formation of Triiodide Without the External Addition of Iodine. 1	
53	Role of imidazolium cations on the interfacial structure of room-temperature ionic liquids in contact with Pt(111) electrodes.	0
52	Systematic evaluation of hydrophobic deep eutectic solvents as alternative media for the extraction of metal ions from aqueous solution.. <b>2022</b> , 243, 123373	1
51	Evaluation and Prediction on the Effect of Ionic Properties of Solvent Extraction Performance of Oily Sludge Using Machine Learning.. <b>2021</b> , 26,	0
50	On the Miscibility of Nematic Liquid Crystals with Ionic Liquids and Joint Reaction for High Helical Twisting Power Product(s).. <b>2021</b> , 15,	
49	Dicationic Bis-Pyridinium Hydrazone-Based Amphiphiles Encompassing Fluorinated Counteranions: Synthesis, Characterization, TGA-DSC, and DFT Investigations.. <b>2022</b> , 27,	0
48	Defect-enhanced selective ion transport in an ionic nanocomposite for efficient energy harvesting from moisture.	3
47	Soft elastomer coatings for ionogels. <b>2022</b> , 101761	1
46	Hydrogen-bond acceptance's role in designing room temperature ionic liquid (RTIL) membranes for gas separations: Part II, Humidity parameter and relative humidity impacts on membrane stability. <b>2022</b> , 655, 120595	0
45	Interfacial Water and Microheterogeneity in Aqueous Solutions of Ionic Liquids.	0
44	OH Stretching and Libration Bands of Solitary Water in Ionic Liquids and Dipolar Solvents Share a Single Dependence on Solvent Polarity. <b>2022</b> , 126, 4584-4598	0
43	Structure and hydrogen-bond properties of N-alkyl-N-methyl-pyrrolidinium bis(trifluoromethylsulfonyl)imide and ethanol: A combination of FTIR and theoretical studies. <b>2022</b> , 1265, 133488	
42	Synergistic Effect of Ionic Liquid (IL) Cation and Anion Inhibits Negative Difference Effect on Mg in Water - IL Mixtures.	
41	Vapor-Liquid Equilibrium for Protic Ionic Liquids and Water: [Ba][Pr], [Dea][Pr], [M-2hea][Pr] and [E-2hea][Pr].	
40	Study on the hydrophobicity of [Bmim]2[CuCl4] by two-dimensional correlation spectroscopy. <b>2022</b> , 121637	



- 39 Water in ionic liquids: Raman spectroscopic studies. ○
- 38 Microheterogeneity-Induced Vibrational Spectral Dynamics of Aqueous 1-Alkyl-3-methylimidazolium Tetrafluoroborate Ionic Liquids of Different Cationic Chain Lengths. 3
- 37 Evaluation of the interfacial activity of imidazolium-based ionic liquids and their application in enhanced oil recovery process. **2022**, 362, 119735 ○
- 36 Micellization studies of selected imidazolium based ionic liquid in aqueous solution and in presence of different additives: A review. **2022**, 2, 100036 ○
- 35 Solvents and Stabilization in Ionic Liquid Films.
- 34 Emulsion Polymerization Using an Amphiphilic Oligoether Ionic Liquid as a Surfactant. **2022**, 14, 3475 ○
- 33 Dicationic Imidazolium-Based Tetrafluoroborate Ionic Liquids: Synthesis and Hydrothermal Stability Study. **2022**, 7, ○
- 32 Infrared and Terahertz Spectroscopic Investigation of Imidazolium, Pyridinium, and Tetraalkylammonium Tetrafluoroborate Ionic Liquids.
- 31 Rapid water dynamics structures the OH-stretching spectra of solitary water in ionic liquids and dipolar solvents. **2022**, 157, 084502 ○
- 30 Synergistic effect of ionic liquid (IL) cation and anion inhibits negative difference effect on Mg in water - IL mixtures. **2022**, 110723 ○
- 29 Microstructures of hydrophobic ionic liquids via tuning water networks: Theoretical and experimental investigations. **2022**, 367, 120483 ○
- 28 Brønsted acidic ionic liquid-catalyzed tandem reaction: An efficient and sustainable approach towards regioselective synthesis and molecular docking studies of 4-hydroxycoumarin-substituted indoles bearing lower E-factors. ○
- 27 Simultaneous Extraction and Determination of Characteristic Steroidal Saponins and Homoisoflavonoids in Zhejiang *Ophiopogon japonicus*. **2022**, 27, 7380 ○
- 26 Insights into the applications and prospects of ionic liquids towards the chemistry of biomolecules. **2022**, 368, 120580 ○
- 25 Influence of PEG-containing cation on molecular state of water in water/Acetate based ionic liquids mixtures. **2022**, 367, 120564 ○
- 24 The comparative analysis of solvation thermochemistry of organic non-electrolytes in ionic liquids and molecular solvents. **2022**, 120765 ○
- 23 Quantitative and structural analysis of water association in water-lithium bromide-1,3-dimethylimidazolium chloride mixtures. **2022**, 120828 ○
- 22 Hydrophobically modified mesoporous silica supported Pt as a dual-function adsorbent buffer-catalyst for toluene removal under low-temperature. ○

21	Influence of interfacial water and cations on the oxidation of CO at the platinum/ionic liquid interface.	1
20	Effects of mesylate-/tartrate-based ionic liquids-water mixtures on the phase transition behaviors and stability of corn starch: A comparative study. <b>2023</b> , 303, 120456	0
19	Rheological characteristics of novel cellulose/superbase-derived ionic liquid solutions and coagulation process towards regenerated cellulose films.	0
18	Hydrogen Bonding and Infrared Spectra of Ethyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide/Water Mixtures: A View from Molecular Dynamics Simulations.	0
17	Simple, Fast, and Selective Dissolution of Eu2O3 in an Ionic Liquid as a Sustainable Paradigm for Lanthanide/Actinide Separations in Radioactive Waste Remediation.	0
16	Effect of 1-Butyl-3-Methylimidazolium bis(trifluoromethylsulfonyl)imide on spontaneous combustion of bituminous coal.	0
15	Direct Correlation between Short-Range Vibrational Spectral Diffusion and Localized Ion-Cage Dynamics of Water-in-Salt Electrolytes. <b>2023</b> , 127, 236-248	0
14	Solvation within deep eutectic solvent-based systems: A review. <b>2023</b> , 145-192	0
13	Ionic liquids in metrological analysis and applications. <b>2023</b> , 443-463	0
12	Effect of hydration of a room temperature ionic liquid on the cation/anion interaction of UO <sub>2</sub> <sup>2+</sup> and NpO <sub>2</sub> <sup>+</sup> ions. <b>2023</b> , 47, 7391-7398	0
11	Application of ionic liquids in CO <sub>2</sub> capture and electrochemical reduction: A review. <b>2023</b> , 6, 85-97	0
10	Hydrogen Bond in Ionic Liquids. <b>2022</b> , 454-465	0
9	Investigation of Hydration States of Ionic Liquids by Fourier Transform Infrared Absorption Spectroscopy: Relevance to Stabilization of Protein Molecules. <b>2023</b> , 39, 2558-2568	0
8	Changes in the conformation and biochemical properties of gluten network after phenolic acid supplementation. <b>2023</b> , 110, 103651	0
7	Quantification of the impact of water on the wetting behavior of hydrophilic ionic liquid: a molecular dynamics study. <b>2023</b> , 49, 525-535	0
6	Vapor-liquid equilibrium for protic ionic liquids and water: [BA][Pr], [DEA][Pr], [m-2HEA][Pr] and [e-2HEA][Pr]. <b>2023</b> , 182, 107034	0
5	Ionic Liquids: Advances and Applications in Phase Transfer Catalysis. <b>2023</b> , 13, 474	1
4	Ionic liquids: designer sorbents for CO <sub>2</sub> capture. <b>2023</b> , 163-191	0

- 3 CO<sub>2</sub> Capture Improvement in Polyetherimide Membranes: Effect of Ionic Liquid on the Molecular Mobility. 1-14 ○
- 2 Effects of gluten-phenolic acids interaction on the gluten structure and functional properties of gluten and phenolic acids. **2023**, 103682 ○
- 1 Experimental study on solubility of CO<sub>2</sub> and CH<sub>4</sub> in the ionic liquid 1-benzyl-3-methylimidazolium nitrate. **2023**, 199, 105963 ○