

# Lus P N Rebelo

## List of Publications by Citations

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254  
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268  
ext. papers

20,372  
ext. citations

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L-index

#	Paper	IF	Citations
254	The distillation and volatility of ionic liquids. <i>Nature</i> , <b>2006</b> , 439, 831-4	50.4	1732
253	Ionic liquids: a pathway to environmental acceptability. <i>Chemical Society Reviews</i> , <b>2011</b> , 40, 1383-403	58.5	931
252	Aqueous biphasic systems: a boost brought about by using ionic liquids. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 4966-95	58.5	610
251	Self-aggregation of ionic liquids: micelle formation in aqueous solution. <i>Green Chemistry</i> , <b>2007</b> , 9, 481	10	496
250	On the critical temperature, normal boiling point, and vapor pressure of ionic liquids. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 6040-3	3.4	439
249	Novel biocompatible cholinium-based ionic liquids: toxicity and biodegradability. <i>Green Chemistry</i> , <b>2010</b> , 12, 643	10	421
248	Insights into the Synthesis and Properties of Deep Eutectic Solvents Based on Cholinium Chloride and Carboxylic Acids. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2014</b> , 2, 2416-2425	8.3	391
247	Ionic liquids in separations of azeotropic systems: A review. <i>Journal of Chemical Thermodynamics</i> , <b>2012</b> , 46, 2-28	2.9	359
246	Densities and refractive indices of imidazolium- and phosphonium-based ionic liquids: Effect of temperature, alkyl chain length, and anion. <i>Journal of Chemical Thermodynamics</i> , <b>2009</b> , 41, 790-798	2.9	335
245	Surface tension of ionic liquids and ionic liquid solutions. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 829-68	58.5	318
244	A detailed thermodynamic analysis of [C4mim][BF4] + water as a case study to model ionic liquid aqueous solutions. <i>Green Chemistry</i> , <b>2004</b> , 6, 369-381	10	311
243	Ionic liquids: first direct determination of their cohesive energy. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 284-5	16.4	278
242	Thermophysical and thermodynamic properties of ionic liquids over an extended pressure range: [bmim][NTf2] and [hmim][NTf2]. <i>Journal of Chemical Thermodynamics</i> , <b>2005</b> , 37, 888-899	2.9	270
241	Ionic liquids in pharmaceutical applications. <i>Annual Review of Chemical and Biomolecular Engineering</i> , <b>2014</b> , 5, 527-46	8.9	269
240	Volatility of Aprotic Ionic Liquids: A Review. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2010</b> , 55, 3-12	2.8	259
239	Thermodynamic Properties of Imidazolium-Based Ionic Liquids: Densities, Heat Capacities, and Enthalpies of Fusion of [bmim][PF6] and [bmim][NTf2]. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2006</b> , 51, 1856-1859	2.8	240
238	Deviations from ideality in mixtures of two ionic liquids containing a common ion. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 3519-25	3.4	236

237	Phase behaviour of room temperature ionic liquid solutions: an unusually large co-solvent effect in (water + ethanol). <i>Physical Chemistry Chemical Physics</i> , <b>2002</b> , 4, 1701-1703	3.6	208
236	Accounting for the unique, doubly dual nature of ionic liquids from a molecular thermodynamic and modeling standpoint. <i>Accounts of Chemical Research</i> , <b>2007</b> , 40, 1114-21	24.3	201
235	High-performance extraction of alkaloids using aqueous two-phase systems with ionic liquids. <i>Green Chemistry</i> , <b>2010</b> , 12, 1715	10	194
234	Viscosity of (C <sub>2</sub> –C <sub>14</sub> ) 1-alkyl-3-methylimidazolium bis(trifluoromethylsulfonyl)amide ionic liquids in an extended temperature range. <i>Fluid Phase Equilibria</i> , <b>2011</b> , 301, 22-32	2.5	191
233	The nature of ionic liquids in the gas phase. <i>Journal of Physical Chemistry A</i> , <b>2007</b> , 111, 6176-82	2.8	188
232	Thermophysical and Thermodynamic Properties of 1-Butyl-3-methylimidazolium Tetrafluoroborate and 1-Butyl-3-methylimidazolium Hexafluorophosphate over an Extended Pressure Range. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2005</b> , 50, 997-1008	2.8	187
231	High-accuracy vapor pressure data of the extended [C(n)C <sub>1</sub> im][Ntf <sub>2</sub> ] ionic liquid series: trend changes and structural shifts. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 10919-26	3.4	182
230	Ion specific effects on the mutual solubilities of water and hydrophobic ionic liquids. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 202-11	3.4	168
229	Densities and Derived Thermodynamic Properties of Ionic Liquids. 3. Phosphonium-Based Ionic Liquids over an Extended Pressure Range. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2006</b> , 51, 237-242	2.8	168
228	Aqueous biphasic systems composed of a water-stable ionic liquid + carbohydrates and their applications. <i>Green Chemistry</i> , <b>2011</b> , 13, 1536	10	162
227	Studies on the density, heat capacity, surface tension and infinite dilution diffusion with the ionic liquids [C <sub>4</sub> mim][NTf <sub>2</sub> ], [C <sub>4</sub> mim][dca], [C <sub>2</sub> mim][EtOSO <sub>3</sub> ] and [Aliquat][dca]. <i>Fluid Phase Equilibria</i> , <b>2010</b> , 294, 157-179	2.5	155
226	Systematic study of the thermophysical properties of imidazolium-based ionic liquids with cyano-functionalized anions. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 10271-83	3.4	153
225	On the self-aggregation and fluorescence quenching aptitude of surfactant ionic liquids. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 8645-50	3.4	152
224	Pressure, Isotope, and Water Co-solvent Effects in Liquid-Liquid Equilibria of (Ionic Liquid + Alcohol) Systems. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 12797-12807	3.4	150
223	Three commentaries on the nano-segregated structure of ionic liquids. <i>Computational and Theoretical Chemistry</i> , <b>2010</b> , 946, 70-76		146
222	Insight into the interactions that control the phase behaviour of new aqueous biphasic systems composed of polyethylene glycol polymers and ionic liquids. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 1831-9	4.8	144
221	Pyridinium salts: from synthesis to reactivity and applications. <i>Organic Chemistry Frontiers</i> , <b>2018</b> , 5, 453-492	4.2	142
220	Polarity, viscosity, and ionic conductivity of liquid mixtures containing [C <sub>4</sub> C <sub>1</sub> im][Ntf <sub>2</sub> ] and a molecular component. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 6088-99	3.4	141

219	Pyrrrolidinium-based polymeric ionic liquid materials: New perspectives for CO <sub>2</sub> separation membranes. <i>Journal of Membrane Science</i> , <b>2013</b> , 428, 260-266	9.6	136
218	High-temperature surface tension and density measurements of 1-alkyl-3-methylimidazolium bistriflamide ionic liquids. <i>Fluid Phase Equilibria</i> , <b>2010</b> , 294, 131-138	2.5	126
217	Density, Speed of Sound, and Derived Thermodynamic Properties of Ionic Liquids over an Extended Pressure Range. 4. [C <sub>3</sub> mim][NTf <sub>2</sub> ] and [C <sub>5</sub> mim][NTf <sub>2</sub> ]. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2006</b> , 51, 2009-2015	2.8	124
216	Fluorinated Ionic Liquids: Properties and Applications. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2013</b> , 1, 427-439	8.3	122
215	Aqueous biphasic systems: a benign route using cholinium-based ionic liquids. <i>RSC Advances</i> , <b>2013</b> , 3, 1835-1843	3.7	121
214	Evidence for lower critical solution behavior in ionic liquid solutions. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 6542-3	16.4	121
213	Dissolution of cork biopolymers in biocompatible ionic liquids. <i>Green Chemistry</i> , <b>2010</b> , 12, 367	10	113
212	Changing from an unusual high-temperature demixing to a UCST-type in mixtures of 1-alkyl-3-methylimidazolium bis{(trifluoromethyl)sulfonyl}amide and arenes. <i>Green Chemistry</i> , <b>2006</b> , 8, 262	10	113
211	Extraction of l-lactic, l-malic, and succinic acids using phosphonium-based ionic liquids. <i>Separation and Purification Technology</i> , <b>2012</b> , 85, 137-146	8.3	112
210	Ionic liquid-based aqueous biphasic system for lipase extraction. <i>Green Chemistry</i> , <b>2011</b> , 13, 390-396	10	111
209	Deep eutectic solvents as extraction media for azeotropic mixtures. <i>Green Chemistry</i> , <b>2013</b> , 15, 1326	10	109
208	<sup>1</sup> H NMR and molecular dynamics evidence for an unexpected interaction on the origin of salting-in/salting-out phenomena. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 2004-14	3.4	109
207	Singularity-free interpretation of the thermodynamics of supercooled water. II. Thermal and volumetric behavior. <i>Journal of Chemical Physics</i> , <b>1998</b> , 109, 626-633	3.9	109
206	Structural and Positional Isomerism Influence in the Physical Properties of Pyridinium NTf <sub>2</sub> -Based Ionic Liquids: Pure and Water-Saturated Mixtures. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2010</b> , 55, 4514-4520	2.8	104
205	Thermodynamic and thermophysical properties of the reference ionic liquid: 1-Hexyl-3-methylimidazolium bis[(trifluoromethyl)sulfonyl]amide (including mixtures). Part 1. Experimental methods and results (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , <b>2009</b> , 81, 781-790	2.1	104
204	New cationic surfactants based on 1-alkyl-3-methylimidazolium alkylsulfonates, [C <sub>(n)</sub> H <sub>(2n+1)</sub> mim][C <sub>(m)</sub> H <sub>(2m+1)</sub> SO <sub>3</sub> ]: mesomorphism and aggregation. <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 4260-8	3.6	103
203	Direct transformation of 5-hydroxymethylfurfural to the building blocks 2,5-dihydroxymethylfurfural (DHMF) and 5-hydroxymethyl furanoic acid (HMFA) via Cannizzaro reaction. <i>Green Chemistry</i> , <b>2013</b> , 15, 2849	10	100
202	Exploring fungal activity in the presence of ionic liquids. <i>Green Chemistry</i> , <b>2009</b> , 11, 889	10	100

201	Fluid-Phase Behavior of {1-Hexyl-3-methylimidazolium Bis(trifluoromethylsulfonyl) Imide, [C6mim][NTf2], + C2-C8n-Alcohol} Mixtures: Liquid-Liquid Equilibrium and Excess Volumes <i>Journal of Chemical &amp; Engineering Data</i> , <b>2006</b> , 51, 2215-2221	2.8	96
200	Condensed phase behaviour of ionic liquid-benzene mixtures: congruent melting of a [emim][NTf2].C6H6 inclusion crystal. <i>Chemical Communications</i> , <b>2006</b> , 2445-7	5.8	93
199	Salting-out effects in aqueous ionic liquid solutions: cloud-point temperature shifts. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 4737-41	3.4	92
198	Densities and Viscosities of 1-Ethyl-3-methylimidazolium n-Alkyl Sulfates. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2011</b> , 56, 3433-3441	2.8	86
197	Densities and Viscosities of Mixtures of Two Ionic Liquids Containing a Common Cation. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2016</b> , 61, 2828-2843	2.8	85
196	On the formation of a third, nanostructured domain in ionic liquids. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 10826-33	3.4	84
195	Development of novel ionic liquids based on ampicillin. <i>MedChemComm</i> , <b>2012</b> , 3, 494	5	83
194	Assessing the dispersive and electrostatic components of the cohesive energy of ionic liquids using molecular dynamics simulations and molar refraction data. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 5831-4	3.4	83
193	Inorganic salts in purely ionic liquid media: the development of High Ionicity Ionic Liquids (HIILs). <i>Chemical Communications</i> , <b>2012</b> , 48, 3656-8	5.8	82
192	On the role of the dipole and quadrupole moments of aromatic compounds in the solvation by ionic liquids. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 9894-900	3.4	81
191	CO2 separation applying ionic liquid mixtures: the effect of mixing different anions on gas permeation through supported ionic liquid membranes. <i>RSC Advances</i> , <b>2013</b> , 3, 12220	3.7	80
190	Salting-out in Aqueous Solutions of Ionic Liquids and K3PO4: Aqueous Biphasic Systems and Salt Precipitation. <i>International Journal of Molecular Sciences</i> , <b>2007</b> , 8, 736-748	6.3	78
189	Liquid-Liquid behaviour of ionic liquid-1-butanol-water and high pressure CO2-induced phase changes. <i>Green Chemistry</i> , <b>2005</b> , 7, 443	10	76
188	Combining ionic liquids and polyethylene glycols to boost the hydrophobic-hydrophilic range of aqueous biphasic systems. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 19580-3	3.6	75
187	Density, thermal expansion and viscosity of cholinium-derived ionic liquids. <i>ChemPhysChem</i> , <b>2012</b> , 13, 1902-9	3.2	75
186	Molecular interactions in aqueous biphasic systems composed of polyethylene glycol and crystalline vs. liquid cholinium-based salts. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 5723-31	3.6	74
185	Evaluation of solubility and partition properties of ampicillin-based ionic liquids. <i>International Journal of Pharmaceutics</i> , <b>2013</b> , 456, 553-9	6.5	72
184	Cholinium-based ionic liquids with pharmaceutically active anions. <i>RSC Advances</i> , <b>2014</b> , 4, 28126-28132	3.7	71

183	Binary mixtures of ionic liquids with a common ion revisited: A molecular dynamics simulation study. <i>Journal of Molecular Liquids</i> , <b>2010</b> , 153, 52-56	6	70
182	Alkyltrioctylphosphonium chloride ionic liquids: synthesis and physicochemical properties. <i>Dalton Transactions</i> , <b>2011</b> , 40, 12750-64	4.3	69
181	Mutual solubility of water and structural/positional isomers of N-alkylpyridinium-based ionic liquids. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 15925-34	3.4	69
180	Phase behavior of (polyacrylamides + water) solutions: concentration, pressure and isotope effects. <i>Fluid Phase Equilibria</i> , <b>2001</b> , 185, 189-198	2.5	68
179	1-Alkyl-3-methylimidazolium alkanesulfonate ionic liquids, [C(n)H(2)(n)(+1)mim][C(k)H(2)(k)(+1)SO(3)]: synthesis and physicochemical properties. <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 8939-48	3.6	67
178	Polymeric ionic liquid membranes containing ILAg <sup>+</sup> for ethylene/ethane separation via olefin-facilitated transport. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 5631	13	65
177	Playing with ionic liquid mixtures to design engineered CO <sub>2</sub> separation membranes. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 17172-82	3.6	62
176	Cholinium-based supported ionic liquid membranes: a sustainable route for carbon dioxide separation. <i>ChemSusChem</i> , <b>2014</b> , 7, 110-3	8.3	62
175	Solubility of inorganic salts in pure ionic liquids. <i>Journal of Chemical Thermodynamics</i> , <b>2012</b> , 55, 29-36	2.9	62
174	Protein stability in an ionic liquid milieu: on the use of differential scanning fluorimetry. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 13614-6	3.6	62
173	PressureDensityTemperature (pT) Surface of [C6mim][NTf2]. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2008</b> , 53, 867-870	2.8	62
172	Surface hydrophobization of bacterial and vegetable cellulose fibers using ionic liquids as solvent media and catalysts. <i>Green Chemistry</i> , <b>2011</b> , 13, 2464	10	61
171	Alkyltributylphosphonium chloride ionic liquids: synthesis, physicochemical properties and crystal structure. <i>Dalton Transactions</i> , <b>2012</b> , 41, 8316-32	4.3	60
170	Double Critical Phenomena in (Water + Polyacrylamides) Solutions. <i>Macromolecules</i> , <b>2002</b> , 35, 1887-1895	5.5	60
169	Nucleic acid bases in 1-alkyl-3-methylimidazolium acetate ionic liquids: A thermophysical and ionic conductivity analysis. <i>Journal of Chemical Thermodynamics</i> , <b>2013</b> , 57, 1-8	2.9	59
168	Isotope effects in solution thermodynamics: excess properties in solutions of isotopomers. <i>Chemical Reviews</i> , <b>1993</b> , 93, 2645-2666	68.1	59
167	Ionic Liquids in Polyethylene Glycol Aqueous Solutions: Salting-in and Salting-out Effects. <i>Monatshefte für Chemie</i> , <b>2007</b> , 138, 1153-1157	1.4	58
166	Phosphonium-based ionic liquids as modifiers for biomedical grade poly(vinyl chloride). <i>Acta Biomaterialia</i> , <b>2012</b> , 8, 1366-79	10.8	57

165	Polymeric ionic liquids with mixtures of counter-anions: a new straightforward strategy for designing pyrrolidinium-based CO <sub>2</sub> separation membranes. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 10403	13	56
164	A thermophysical and structural characterization of ionic liquids with alkyl and perfluoroalkyl side chains. <i>RSC Advances</i> , <b>2015</b> , 5, 65337-65350	3.7	55
163	Ionic-liquid-based aqueous biphasic systems for improved detection of bisphenol A in human fluids. <i>Analytical Methods</i> , <b>2012</b> , 4, 2664	3.2	55
162	Understanding the Role of Cholinium Carboxylate Ionic Liquids in PEG-Based Aqueous Biphasic Systems. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2014</b> , 2, 2426-2434	8.3	53
161	Unravelling the mechanism of toxicity of alkyltributylphosphonium chlorides in <i>Aspergillus nidulans</i> conidia. <i>New Journal of Chemistry</i> , <b>2012</b> , 36, 56-63	3.6	53
160	Isolation of suberin from birch outer bark and cork using ionic liquids: A new source of macromonomers. <i>Industrial Crops and Products</i> , <b>2013</b> , 44, 520-527	5.9	53
159	Impact of ionic liquids on extreme microbial biotypes from soil. <i>Green Chemistry</i> , <b>2011</b> , 13, 687	10	52
158	Impact of self-aggregation on the formation of ionic-liquid-based aqueous biphasic systems. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 7660-8	3.4	51
157	Gas Permeation Properties of Fluorinated Ionic Liquids. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 4994-5001	3.9	50
156	Extraction of <i>Candida antarctica</i> lipase A from aqueous solutions using imidazolium-based ionic liquids. <i>Separation and Purification Technology</i> , <b>2012</b> , 97, 205-210	8.3	50
155	Aggregation behavior and total miscibility of fluorinated ionic liquids in water. <i>Langmuir</i> , <b>2015</b> , 31, 1283-25	49	
154	Antitumor Activity of Ionic Liquids Based on Ampicillin. <i>ChemMedChem</i> , <b>2015</b> , 10, 1480-3	3.7	47
153	Thermodynamics of Negative Pressures in Liquids. <i>Journal of Non-Equilibrium Thermodynamics</i> , <b>1998</b> , 23,	3.8	47
152	Ionic Liquids as Additives for Extraction of Saponins and Polyphenols from Mate ( <i>Ilex paraguariensis</i> ) and Tea ( <i>Camellia sinensis</i> ). <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 12146-12153	3.9	46
151	Liquid phase behavior of perfluoroalkylalkane surfactants. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 2856-63	3.4	46
150	Suberin isolation from cork using ionic liquids: characterisation of ensuing products. <i>New Journal of Chemistry</i> , <b>2012</b> , 36, 2014	3.6	45
149	Liquid-liquid equilibrium of (perfluoroalkane+alkane) binary mixtures. <i>Fluid Phase Equilibria</i> , <b>2006</b> , 242, 210-219	2.5	45
148	On the hunt for truly biocompatible ionic liquids for lipase-catalyzed reactions. <i>RSC Advances</i> , <b>2015</b> , 5, 3386-3389	3.7	44

147	Aqueous biphasic systems involving alkylsulfate-based ionic liquids. <i>Journal of Chemical Thermodynamics</i> , <b>2011</b> , 43, 1565-1572	2.9	44
146	Interactions of fluorinated gases with ionic liquids: solubility of CF <sub>4</sub> , C <sub>2</sub> F <sub>6</sub> , and C <sub>3</sub> F <sub>8</sub> in trihexyltetradecylphosphonium bis(trifluoromethylsulfonyl)amide. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 12394-400	3.4	44
145	Supercritical carbon dioxide-induced phase changes in (ionic liquid, water and ethanol mixture) solutions: application to biphasic catalysis. <i>ChemPhysChem</i> , <b>2003</b> , 4, 520-2	3.2	44
144	A new apparatus for the detection of phase equilibria in polymer solvent systems by light scattering. <i>Review of Scientific Instruments</i> , <b>1992</b> , 63, 1717-1725	1.7	43
143	Solubility of alkanes, alkanols and their fluorinated counterparts in tetraalkylphosphonium ionic liquids. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 9685-92	3.6	42
142	Fluorinated ionic liquids for protein drug delivery systems: Investigating their impact on the structure and function of lysozyme. <i>International Journal of Pharmaceutics</i> , <b>2017</b> , 526, 309-320	6.5	41
141	A novel non-intrusive microcell for sound-speed measurements in liquids. Speed of sound and thermodynamic properties of 2-propanone at pressures up to 160 MPa. <i>Journal of Chemical Thermodynamics</i> , <b>2004</b> , 36, 211-222	2.9	41
140	Human cytotoxicity and octanol/water partition coefficients of fluorinated ionic liquids. <i>Chemosphere</i> , <b>2019</b> , 216, 576-586	8.4	40
139	Acute Aquatic Toxicity and Biodegradability of Fluorinated Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 3733-3741	8.3	39
138	Novel organic salts based on fluoroquinolone drugs: synthesis, bioavailability and toxicological profiles. <i>International Journal of Pharmaceutics</i> , <b>2014</b> , 469, 179-89	6.5	36
137	A simple gE-model for generating all basic types of binary liquid-liquid equilibria and their pressure dependence. Thermodynamic constraints at critical loci. <i>Physical Chemistry Chemical Physics</i> , <b>1999</b> , 1, 4277-4286	3.6	36
136	Influence of Nanosegregation on the Phase Behavior of Fluorinated Ionic Liquids. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 5415-5427	3.8	35
135	Fluorination effects on the thermodynamic, thermophysical and surface properties of ionic liquids. <i>Journal of Chemical Thermodynamics</i> , <b>2016</b> , 97, 354-361	2.9	35
134	Unveiling the dual role of the cholinium hexanoate ionic liquid as solvent and catalyst in suberin depolymerisation. <i>RSC Advances</i> , <b>2014</b> , 4, 2993-3002	3.7	34
133	Isotope Effects <b>2009</b> ,		34
132	Solubility of fluorinated compounds in a range of ionic liquids. Cloud-point temperature dependence on composition and pressure. <i>Green Chemistry</i> , <b>2008</b> , 10, 918	10	34
131	A continuous polydisperse thermodynamic algorithm for a modified flory-Huggins model: The (polystyrene + nitroethane) example <b>2000</b> , 38, 632-651		34
130	Influence of Nanosegregation on the Surface Tension of Fluorinated Ionic Liquids. <i>Langmuir</i> , <b>2016</b> , 32, 6130-9	4	33



129	Structural and functional evaluation of ionic liquid libraries for the design of co-solvents in lipase-catalysed reactions. <i>Green Chemistry</i> , <b>2014</b> , 16, 4520-4523	10	33
128	Ex situ reconstitution of the plant biopolyester suberin as a film. <i>Biomacromolecules</i> , <b>2014</b> , 15, 1806-13	6.9	33
127	Isotope and pressure dependence of liquid-liquid equilibria in polymer solutions. 5. Measurements of solute and solvent isotope effects in polystyrene-acetone and polystyrene-methylcyclopentane. 6. A continuous polydisperse thermodynamic interpretation of demixing measurements in polystyrene-acetone and polystyrene-methylcyclopentane solutions. <i>Macromolecules</i> , <b>1995</b> , 28, 745-767	5.5	33
126	The alternation effect in ionic liquid homologous series. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 4033-8	3.6	32
125	Hofmeister effects of ionic liquids in protein crystallization: Direct and water-mediated interactions. <i>CrystEngComm</i> , <b>2012</b> , 14, 4912	3.3	32
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123	Protonic Ammonium Nitrate Ionic Liquids and Their Mixtures: Insights into Their Thermophysical Behavior. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 2397-406	3.4	31
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