

LuÃ-s P N Rebelo

List of Publications by Year in descending order

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256
papers

21,643
citations

9234

74
h-index

10127

140
g-index

268
all docs

268
docs citations

268
times ranked

12487
citing authors

#	ARTICLE	IF	CITATIONS
1	Insights into CO ₂ hydrates formation and dissociation at isochoric conditions using a rocking cell apparatus. <i>Chemical Engineering Science</i> , 2022, 249, 117319.	1.9	17
2	Viscosity of [C ₄ mim][(CF ₃ SO ₂) ₂ N], [C ₄ mim][N(CN) ₂], [C ₂ mim][C ₂ H ₅ SO ₄] and [Aliquat][N(CN) ₂] in a wide temperature range. Measurement, correlation, and interpretation. <i>Journal of Molecular Liquids</i> , 2021, 337, 116482.	2.3	4
3	Chemoinformatic Approaches To Predict the Viscosities of Ionic Liquids and Ionic Liquid-Containing Systems. <i>ChemPhysChem</i> , 2019, 20, 2767-2773.	1.0	10
4	Evidences for a Null Molar Volume Contribution by Hydroxyl Groups in Ammonium Bistriflimide-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 4932-4945.	1.0	3
5	Physicochemical Characterization of Ionic Liquid Binary Mixtures Containing 1-Butyl-3-methylimidazolium as the Common Cation. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 4891-4903.	1.0	17
6	Simultaneous Separation of Antioxidants and Carbohydrates From Food Wastes Using Aqueous Biphasic Systems Formed by Cholinium-Derived Ionic Liquids. <i>Frontiers in Chemistry</i> , 2019, 7, 459.	1.8	15
7	Anomalous and Not-So-Common Behavior in Common Ionic Liquids and Ionic Liquid-Containing Systems. <i>Frontiers in Chemistry</i> , 2019, 7, 450.	1.8	24
8	Aggregation and phase equilibria of fluorinated ionic liquids. <i>Journal of Molecular Liquids</i> , 2019, 285, 386-396.	2.3	22
9	Ionic Liquids in Wonderland: From Electrostatics to Coordination Chemistry. <i>Journal of Physical Chemistry C</i> , 2019, 123, 5804-5811.	1.5	5
10	Adsorption and viscoelastic behaviour of ionic liquid surfactants on gold surfaces. <i>Journal of Molecular Liquids</i> , 2019, 282, 633-641.	2.3	5
11	Ionic Liquid-Impregnated Metal-Organic Frameworks for CO ₂ /CH ₄ Separation. <i>ACS Applied Nano Materials</i> , 2019, 2, 7933-7950.	2.4	51
12	Crystallization and Glass-Forming Ability of Ionic Liquids: Novel Insights into Their Thermal Behavior. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 2989-2997.	3.2	19
13	Acute Aquatic Toxicity and Biodegradability of Fluorinated Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 3733-3741.	3.2	57
14	Human cytotoxicity and octanol/water partition coefficients of fluorinated ionic liquids. <i>Chemosphere</i> , 2019, 216, 576-586.	4.2	53
15	Design of task-specific fluorinated ionic liquids: nanosegregation versus hydrogen-bonding ability in aqueous solutions. <i>Chemical Communications</i> , 2018, 54, 3524-3527.	2.2	17
16	ILs through the looking glass: electrostatics and structure probed using charge-inverted ionic liquid pairs. <i>Faraday Discussions</i> , 2018, 206, 203-218.	1.6	4
17	Pyridinium salts: from synthesis to reactivity and applications. <i>Organic Chemistry Frontiers</i> , 2018, 5, 453-493.	2.3	230
18	A centennial catalogue of hydro-geomorphological events and their atmospheric forcing. <i>Advances in Water Resources</i> , 2018, 122, 98-112.	1.7	19

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19	Negative Pressure Regimes in Ionic Liquids: Structure and Interactions in Stretched Liquids as Probed by NMR. ECS Transactions, 2018, 86, 141-147.	0.3	1
20	Molecular dynamics studies on the structure and interactions of ionic liquids containing amino-acid anions. Physical Chemistry Chemical Physics, 2018, 20, 23864-23872.	1.3	19
21	Meteorological Driving Mechanisms and Human Impacts of the February 1979 Extreme Hydro-Geomorphological Event in Western Iberia. Water (Switzerland), 2018, 10, 454.	1.2	6
22	High-resolution geological cartography and coastal evolution assessment at Armação de Pêra "Galão" sector: a prototype for a national coastal mapping. Journal of Coastal Conservation, 2018, 22, 1031-1043.	0.7	2
23	Designing the ammonium cation to achieve a higher hydrophilicity of bistriflimide-based ionic liquids. Physical Chemistry Chemical Physics, 2018, 20, 19307-19313.	1.3	17
24	Negative Pressure Regimes in Ionic Liquids: Structure and Interactions in Stretched Liquids as Probed by NMR. ECS Meeting Abstracts, 2018, , .	0.0	0
25	Infrared light-induced protein crystallization. Structuring of protein interfacial water and periodic self-assembly. Journal of Crystal Growth, 2017, 457, 362-368.	0.7	5
26	Influence of Nanosegregation on the Phase Behavior of Fluorinated Ionic Liquids. Journal of Physical Chemistry C, 2017, 121, 5415-5427.	1.5	46
27	Fluorinated ionic liquids for protein drug delivery systems: Investigating their impact on the structure and function of lysozyme. International Journal of Pharmaceutics, 2017, 526, 309-320.	2.6	49
28	Thermophysical Characterization of Ionic Liquids Based on the Perfluorobutanesulfonate Anion: Experimental and Soft-SAFT Modeling Results. ChemPhysChem, 2017, 18, 2012-2023.	1.0	23
29	Highly water soluble room temperature superionic liquids of APIs. New Journal of Chemistry, 2017, 41, 6986-6990.	1.4	11
30	Surfactant Fluorinated Ionic Liquids. RSC Smart Materials, 2017, , 79-102.	0.1	6
31	Designing high ionicity ionic liquids based on 1-ethyl-3-methylimidazolium ethyl sulphate for effective azeotrope breaking. Fluid Phase Equilibria, 2016, 419, 57-66.	1.4	9
32	Improving the Separation of n-Heptane + Ethanol Azeotropic Mixtures Combining Ionic Liquid 1-Ethyl-3-methylimidazolium Acetate with Different Inorganic Salts. Industrial & Engineering Chemistry Research, 2016, 55, 5965-5972.	1.8	9
33	Solid-liquid equilibria of binary mixtures of fluorinated ionic liquids. Physical Chemistry Chemical Physics, 2016, 18, 25741-25750.	1.3	23
34	Densities and Viscosities of Mixtures of Two Ionic Liquids Containing a Common Cation. Journal of Chemical & Engineering Data, 2016, 61, 2828-2843.	1.0	117
35	Influence of Nanosegregation on the Surface Tension of Fluorinated Ionic Liquids. Langmuir, 2016, 32, 6130-6139.	1.6	38
36	Protonic Ammonium Nitrate Ionic Liquids and Their Mixtures: Insights into Their Thermophysical Behavior. Journal of Physical Chemistry B, 2016, 120, 2397-2406.	1.2	39

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37	Fluorination effects on the thermodynamic, thermophysical and surface properties of ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2016, 97, 354-361.	1.0	37
38	Mixtures of the 1-ethyl-3-methylimidazolium acetate ionic liquid with different inorganic salts: insights into their interactions. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 2756-2766.	1.3	12
39	Enhanced tunability afforded by aqueous biphasic systems formed by fluorinated ionic liquids and carbohydrates. <i>Green Chemistry</i> , 2016, 18, 1070-1079.	4.6	37
40	Antitumor Activity of Ionic Liquids Based on Ampicillin. <i>ChemMedChem</i> , 2015, 10, 1480-1483.	1.6	68
41	Separation of azeotropic mixtures using high ionicity ionic liquids based on 1-ethyl-3-methylimidazolium thiocyanate. <i>Fluid Phase Equilibria</i> , 2015, 389, 48-54.	1.4	34
42	Influence of Different Inorganic Salts on the Ionicity and Thermophysical Properties of 1-Ethyl-3-methylimidazolium Acetate Ionic Liquid. <i>Journal of Chemical & Engineering Data</i> , 2015, 60, 781-789.	1.0	18
43	Aggregation Behavior and Total Miscibility of Fluorinated Ionic Liquids in Water. <i>Langmuir</i> , 2015, 31, 1283-1295.	1.6	54
44	The role of water in cholinium carboxylate ionic liquid's aqueous solutions. <i>Journal of Chemical Thermodynamics</i> , 2015, 84, 93-100.	1.0	22
45	Ionic liquid-functionalized crystals of barium sulfate: A hybrid organic-inorganic material with tuned hydrophilicity and solid-liquid behavior. <i>Materials Chemistry and Physics</i> , 2015, 160, 308-314.	2.0	7
46	Ionic-Liquid-Functionalized Mineral Particles for Protein Crystallization. <i>Crystal Growth and Design</i> , 2015, 15, 2994-3003.	1.4	8
47	A thermophysical and structural characterization of ionic liquids with alkyl and perfluoroalkyl side chains. <i>RSC Advances</i> , 2015, 5, 65337-65350.	1.7	63
48	Viscosity minima in binary mixtures of ionic liquids + molecular solvents. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 13480-13494.	1.3	21
49	Organocatalyzed One-Step Synthesis of Functionalized <i>N</i> -Alkyl-Pyridinium Salts from Biomass Derived 5-Hydroxymethylfurfural. <i>Organic Letters</i> , 2015, 17, 5244-5247.	2.4	33
50	On the hunt for truly biocompatible ionic liquids for lipase-catalyzed reactions. <i>RSC Advances</i> , 2015, 5, 3386-3389.	1.7	54
51	Phase equilibria and surfactant behavior of fluorinated ionic liquids with water. <i>Journal of Chemical Thermodynamics</i> , 2015, 82, 99-107.	1.0	23
52	Cholinium-based Supported Ionic Liquid Membranes: A Sustainable Route for Carbon Dioxide Separation. <i>ChemSusChem</i> , 2014, 7, 110-113.	3.6	71
53	Novel organic salts based on fluoroquinolone drugs: Synthesis, bioavailability and toxicological profiles. <i>International Journal of Pharmaceutics</i> , 2014, 469, 179-189.	2.6	48
54	Investigating <i>Aspergillus nidulans</i> secretome during colonisation of cork cell walls. <i>Journal of Proteomics</i> , 2014, 98, 175-188.	1.2	23

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55	Unveiling the dual role of the cholinium hexanoate ionic liquid as solvent and catalyst in suberin depolymerisation. <i>RSC Advances</i> , 2014, 4, 2993-3002.	1.7	42
56	Morphodynamic evolution of a sand extraction excavation offshore Vale do Lobo, Algarve, Portugal. <i>Coastal Engineering</i> , 2014, 88, 75-87.	1.7	7
57	The impact of ionic liquid fluorinated moieties on their thermophysical properties and aqueous phase behaviour. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 21340-21348.	1.3	30
58	Spontaneous emulsification in ionic liquid/water systems and its use for templating of solids. <i>Soft Matter</i> , 2014, 10, 3798-3805.	1.2	13
59	Playing with ionic liquid mixtures to design engineered CO ₂ separation membranes. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 17172.	1.3	70
60	The alternation effect in ionic liquid homologous series. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 4033-4038.	1.3	34
61	Polymeric ionic liquid membranes containing IL- ⁺ Ag ⁺ for ethylene/ethane separation via olefin-facilitated transport. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5631.	5.2	74
62	Understanding the Role of Cholinium Carboxylate Ionic Liquids in PEG-Based Aqueous Biphasic Systems. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 2426-2434.	3.2	60
63	Insights into the Synthesis and Properties of Deep Eutectic Solvents Based on Cholinium Chloride and Carboxylic Acids. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 2416-2425.	3.2	599
64	Structural-functional evaluation of ionic liquid libraries for the design of co-solvents in lipase-catalysed reactions. <i>Green Chemistry</i> , 2014, 16, 4520-4523.	4.6	40
65	Ionic Liquids in Pharmaceutical Applications. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2014, 5, 527-546.	3.3	331
66	Ex Situ Reconstitution of the Plant Biopolyester Suberin as a Film. <i>Biomacromolecules</i> , 2014, 15, 1806-1813.	2.6	44
67	Molecular interactions in aqueous biphasic systems composed of polyethylene glycol and crystalline vs. liquid cholinium-based salts. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 5723.	1.3	90
68	Cholinium-based ionic liquids with pharmaceutically active anions. <i>RSC Advances</i> , 2014, 4, 28126-28132.	1.7	93
69	Pyrrolidinium-based polymeric ionic liquid materials: New perspectives for CO ₂ separation membranes. <i>Journal of Membrane Science</i> , 2013, 428, 260-266.	4.1	156
70	Using ¹²⁹ Xe NMR to Probe the Structure of Ionic Liquids. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 2758-2762.	2.1	26
71	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> , 2013, 15, 2849.	4.6	122
72	CO ₂ separation applying ionic liquid mixtures: the effect of mixing different anions on gas permeation through supported ionic liquid membranes. <i>RSC Advances</i> , 2013, 3, 12220.	1.7	88

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73	Shifts in the temperature of maximum density (TMD) of ionic liquid aqueous solutions. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 10960.	1.3	20
74	Systematic Study of the Thermophysical Properties of Imidazolium-Based Ionic Liquids with Cyano-Functionalized Anions. <i>Journal of Physical Chemistry B</i> , 2013, 117, 10271-10283.	1.2	195
75	High ionicity ionic liquids (HILLs): comparing the effect of ethylsulfonate and ethylsulfate anions. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 18138.	1.3	20
76	Microwave assisted extraction of betulin from birch outer bark. <i>RSC Advances</i> , 2013, 3, 21285.	1.7	14
77	On the Formation of a Third, Nanostructured Domain in Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2013, 117, 10826-10833.	1.2	99
78	Ionic Liquids as Additives for Extraction of Saponins and Polyphenols from Mate (<i>Ilex paraguariensis</i>) and Tea (<i>Camellia sinensis</i>). <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 12146-12153.	1.8	52
79	Evaluation of solubility and partition properties of ampicillin-based ionic liquids. <i>International Journal of Pharmaceutics</i> , 2013, 456, 553-559.	2.6	97
80	(Liquid+liquid) equilibria of perfluorocarbons with fluorinated ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2013, 64, 71-79.	1.0	19
81	Polymeric ionic liquids with mixtures of counter-anions: a new straightforward strategy for designing pyrrolidinium-based CO ₂ separation membranes. <i>Journal of Materials Chemistry A</i> , 2013, 1, 10403.	5.2	69
82	Unusual LCST-type behaviour found in binary mixtures of choline-based ionic liquids with ethers. <i>RSC Advances</i> , 2013, 3, 10262.	1.7	24
83	Combining ionic liquids and polyethylene glycols to boost the hydrophobic-hydrophilic range of aqueous biphasic systems. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 19580.	1.3	83
84	Aqueous biphasic systems: a benign route using cholinium-based ionic liquids. <i>RSC Advances</i> , 2013, 3, 1835-1843.	1.7	138
85	Probing the self-aggregation of ionic liquids in aqueous solutions using density and speed of sound data. <i>Journal of Chemical Thermodynamics</i> , 2013, 59, 43-48.	1.0	16
86	Proteomic alterations induced by ionic liquids in <i>Aspergillus nidulans</i> and <i>Neurospora crassa</i> . <i>Journal of Proteomics</i> , 2013, 94, 262-278.	1.2	21
87	Gas Permeation Properties of Fluorinated Ionic Liquids. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 4994-5001.	1.8	54
88	Fluorinated Ionic Liquids: Properties and Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2013, 1, 427-439.	3.2	147
89	Thermophysical and magnetic studies of two paramagnetic liquid salts: [C ₄ mim][FeCl ₄] and [P66614][FeCl ₄]. <i>Fluid Phase Equilibria</i> , 2013, 350, 43-50.	1.4	41
90	Deep eutectic solvents as extraction media for azeotropic mixtures. <i>Green Chemistry</i> , 2013, 15, 1326.	4.6	141

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91	Isolation of suberin from birch outer bark and cork using ionic liquids: A new source of macromonomers. <i>Industrial Crops and Products</i> , 2013, 44, 520-527.	2.5	76
92	Hydrogen-Bonding and the Dissolution Mechanism of Uracil in an Acetate Ionic Liquid: New Insights from NMR Spectroscopy and Quantum Chemical Calculations. <i>Journal of Physical Chemistry B</i> , 2013, 117, 4109-4120.	1.2	27
93	Ionic liquids based aqueous biphasic systems: Effect of the alkyl chains in the cation versus in the anion. <i>Journal of Chemical Thermodynamics</i> , 2013, 65, 106-112.	1.0	17
94	Nucleic acid bases in 1-alkyl-3-methylimidazolium acetate ionic liquids: A thermophysical and ionic conductivity analysis. <i>Journal of Chemical Thermodynamics</i> , 2013, 57, 1-8.	1.0	67
95	Viscosity Mixing Rules for Binary Systems Containing One Ionic Liquid. <i>ChemPhysChem</i> , 2013, 14, 1956-1968.	1.0	12
96	Probing Ionic Liquid Aqueous Solutions Using Temperature of Maximum Density Isotope Effects. <i>Molecules</i> , 2013, 18, 3703-3711.	1.7	3
97	Inorganic salts in purely ionic liquid media: the development of high ionicity ionic liquids (HILs). <i>Chemical Communications</i> , 2012, 48, 3656.	2.2	91
98	Ionic-liquid-based aqueous biphasic systems for improved detection of bisphenol A in human fluids. <i>Analytical Methods</i> , 2012, 4, 2664.	1.3	61
99	New CO ₂ Separation Membranes based on Pyrrolidinium Ionic Materials. <i>Procedia Engineering</i> , 2012, 44, 1583-1584.	1.2	0
100	Partition Coefficients of Alkaloids in Biphasic Ionic-Liquid-Aqueous Systems and their Dependence on the Hofmeister Series. <i>Separation Science and Technology</i> , 2012, 47, 284-291.	1.3	33
101	Hollow calcite rhombohedra at ionic liquid-stabilized bubbles. <i>CrystEngComm</i> , 2012, 14, 5723.	1.3	3
102	Liquid-Liquid Equilibrium of Cholinium-Derived Bistriflimide Ionic Liquids with Water and Octanol. <i>Journal of Physical Chemistry B</i> , 2012, 116, 9186-9195.	1.2	34
103	Solubility of inorganic salts in pure ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2012, 55, 29-36.	1.0	70
104	Alkyltributylphosphonium chloride ionic liquids: synthesis, physicochemical properties and crystal structure. <i>Dalton Transactions</i> , 2012, 41, 8316.	1.6	65
105	Aqueous biphasic systems: a boost brought about by using ionic liquids. <i>Chemical Society Reviews</i> , 2012, 41, 4966.	18.7	726
106	Extraction of <i>Candida antarctica</i> lipase A from aqueous solutions using imidazolium-based ionic liquids. <i>Separation and Purification Technology</i> , 2012, 97, 205-210.	3.9	55
107	Impact of Self-Aggregation on the Formation of Ionic-Liquid-Based Aqueous Biphasic Systems. <i>Journal of Physical Chemistry B</i> , 2012, 116, 7660-7668.	1.2	54
108	Unravelling the mechanism of toxicity of alkyltributylphosphonium chlorides in <i>Aspergillus nidulans</i> conidia. <i>New Journal of Chemistry</i> , 2012, 36, 56-63.	1.4	64

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109	Quantification of sediments accumulated in the NW sector of Trã³ia Peninsula (Portugal) between 1928 and 1995. <i>Journal of Coastal Conservation</i> , 2012, 16, 261-268.	0.7	3
110	Suberin isolation from cork using ionic liquids: characterisation of ensuing products. <i>New Journal of Chemistry</i> , 2012, 36, 2014.	1.4	54
111	Development of novel ionic liquids based on ampicillin. <i>MedChemComm</i> , 2012, 3, 494.	3.5	105
112	Hofmeister effects of ionic liquids in protein crystallization: Direct and water-mediated interactions. <i>CrystEngComm</i> , 2012, 14, 4912.	1.3	41
113	Surface tension of ionic liquids and ionic liquid solutions. <i>Chemical Society Reviews</i> , 2012, 41, 829-868.	18.7	375
114	Density, Thermal Expansion and Viscosity of Choliniumâ€Derived Ionic Liquids. <i>ChemPhysChem</i> , 2012, 13, 1902-1909.	1.0	83
115	Phosphonium-based ionic liquids as modifiers for biomedical grade poly(vinyl chloride). <i>Acta Biomaterialia</i> , 2012, 8, 1366-1379.	4.1	62
116	Extraction of l-lactic, l-malic, and succinic acids using phosphonium-based ionic liquids. <i>Separation and Purification Technology</i> , 2012, 85, 137-146.	3.9	123
117	Ionic liquids in separations of azeotropic systems â€ A review. <i>Journal of Chemical Thermodynamics</i> , 2012, 46, 2-28.	1.0	410
118	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> , 2012, 18, 1831-1839.	1.7	157
119	Protein stability in an ionic liquid milieu: on the use of differential scanning fluorimetry. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 13614.	1.3	69
120	Impact of ionic liquids on extreme microbial biotypes from soil. <i>Green Chemistry</i> , 2011, 13, 687.	4.6	54
121	On the Use of Ionic Liquids To Tune Crystallization. <i>Crystal Growth and Design</i> , 2011, 11, 684-691.	1.4	18
122	High-Accuracy Vapor Pressure Data of the Extended [C ₄ m][Ntf ₂] Ionic Liquid Series: Trend Changes and Structural Shifts. <i>Journal of Physical Chemistry B</i> , 2011, 115, 10919-10926.	1.2	199
123	Polarity, Viscosity, and Ionic Conductivity of Liquid Mixtures Containing [C ₄ C ₁ m][Ntf ₂] and a Molecular Component. <i>Journal of Physical Chemistry B</i> , 2011, 115, 6088-6099.	1.2	154
124	Solvation of Nucleobases in 1,3-Dialkylimidazolium Acetate Ionic Liquids: NMR Spectroscopy Insights into the Dissolution Mechanism. <i>Journal of Physical Chemistry B</i> , 2011, 115, 10739-10749.	1.2	31
125	Mixtures of Pyridine and Nicotine with Pyridinium-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2011, 56, 4356-4363.	1.0	13
126	Alkyltrioctylphosphonium chloride ionic liquids: synthesis and physicochemical properties. <i>Dalton Transactions</i> , 2011, 40, 12750.	1.6	76

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127	Aqueous biphasic systems composed of a water-stable ionic liquid + carbohydrates and their applications. <i>Green Chemistry</i> , 2011, 13, 1536.	4.6	185
128	Ionic liquids: a pathway to environmental acceptability. <i>Chemical Society Reviews</i> , 2011, 40, 1383-1403.	18.7	1,063
129	Densities and Viscosities of 1-Ethyl-3-methylimidazolium <i>n</i> -Alkyl Sulfates. <i>Journal of Chemical & Engineering Data</i> , 2011, 56, 3433-3441.	1.0	93
130	Surface hydrophobization of bacterial and vegetable cellulose fibers using ionic liquids as solvent media and catalysts. <i>Green Chemistry</i> , 2011, 13, 2464.	4.6	71
131	Ionic liquid-based aqueous biphasic system for lipase extraction. <i>Green Chemistry</i> , 2011, 13, 390-396.	4.6	120
132	Viscosity of (C ₂ –C ₁₄) 1-alkyl-3-methylimidazolium bis(trifluoromethylsulfonyl)amide ionic liquids in an extended temperature range. <i>Fluid Phase Equilibria</i> , 2011, 301, 22-32.	1.4	220
133	Effect of alkyl chain length on the adsorption and frictional behaviour of 1-alkyl-3-methylimidazolium chloride ionic liquid surfactants on gold surfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 377, 361-366.	2.3	15
134	Characteristics of aggregation in aqueous solutions of dialkylpyrrolidinium bromides. <i>Journal of Colloid and Interface Science</i> , 2011, 360, 606-616.	5.0	36
135	Aqueous biphasic systems involving alkylsulfate-based ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2011, 43, 1565-1572.	1.0	46
136	On the Merge of Fungal Activity with Ionic Liquids towards the Development of New Biotechnological Processes. <i>ACS Symposium Series</i> , 2010, , 197-207.	0.5	0
137	Novel biocompatible cholinium-based ionic liquids' toxicity and biodegradability. <i>Green Chemistry</i> , 2010, 12, 643.	4.6	491
138	Three commentaries on the nano-segregated structure of ionic liquids. <i>Computational and Theoretical Chemistry</i> , 2010, 946, 70-76.	1.5	156
139	Vaporisation of a Dicationic Ionic Liquid Revisited. <i>ChemPhysChem</i> , 2010, 11, 3673-3677.	1.0	23
140	Binary mixtures of ionic liquids with a common ion revisited: A molecular dynamics simulation study. <i>Journal of Molecular Liquids</i> , 2010, 153, 52-56.	2.3	75
141	High-temperature surface tension and density measurements of 1-alkyl-3-methylimidazolium bistriflamide ionic liquids. <i>Fluid Phase Equilibria</i> , 2010, 294, 131-138.	1.4	145
142	Studies on the density, heat capacity, surface tension and infinite dilution diffusion with the ionic liquids [C ₄ mim][NTf ₂], [C ₄ mim][dca], [C ₂ mim][EtOSO ₃] and [Aliquat][dca]. <i>Fluid Phase Equilibria</i> , 2010, 294, 157-179.	1.4	171
143	First exploratory descriptive study on adherence to and compliance with the Portuguese smoke-free law in the leisure-hospitality sector. <i>Tobacco Control</i> , 2010, 19, 171-172.	1.8	7
144	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> , 2010, 114, 5831-5834.	1.2	89

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145	New Insight into Phase Equilibria Involving Imidazolium Bistriflamide Ionic Liquids and Their Mixtures with Alcohols and Water. <i>Journal of Physical Chemistry B</i> , 2010, 114, 8978-8985.	1.2	15
146	Volatility of Aprotic Ionic Liquids – A Review. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 3-12.	1.0	294
147	Solubility of alkanes, alkanols and their fluorinated counterparts in tetraalkylphosphonium ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 9685.	1.3	44
148	¹ 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> , 2010, 114, 2004-2014.	1.2	116
149	Introduction to the Special Section on the 2009 Iberian Meeting on Ionic Liquids (IMIL). <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 589-589.	1.0	0
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