

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
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268
all docs

268
docs citations

268
times ranked

12487
citing authors

#	ARTICLE	IF	CITATIONS
1	The distillation and volatility of ionic liquids. <i>Nature</i> , 2006, 439, 831-834.	13.7	1,926
2	Ionic liquids: a pathway to environmental acceptability. <i>Chemical Society Reviews</i> , 2011, 40, 1383-1403.	18.7	1,063
3	Aqueous biphasic systems: a boost brought about by using ionic liquids. <i>Chemical Society Reviews</i> , 2012, 41, 4966.	18.7	726
4	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
5	Self-aggregation of ionic liquids: micelle formation in aqueous solution. <i>Green Chemistry</i> , 2007, 9, 481.	4.6	546
6	Novel biocompatible cholinium-based ionic liquids— toxicity and biodegradability. <i>Green Chemistry</i> , 2010, 12, 643.	4.6	491
7	On the Critical Temperature, Normal Boiling Point, and Vapor Pressure of Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2005, 109, 6040-6043.	1.2	475
8	Ionic liquids in separations of azeotropic systems — A review. <i>Journal of Chemical Thermodynamics</i> , 2012, 46, 2-28.	1.0	410
9	Surface tension of ionic liquids and ionic liquid solutions. <i>Chemical Society Reviews</i> , 2012, 41, 829-868.	18.7	375
10	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> , 2009, 41, 790-798.	1.0	369
11	A detailed thermodynamic analysis of [C4mim][BF4] + water as a case study to model ionic liquid aqueous solutions. <i>Green Chemistry</i> , 2004, 6, 369-381.	4.6	334
12	Ionic Liquids in Pharmaceutical Applications. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2014, 5, 527-546.	3.3	331
13	Ionic Liquids: A First Direct Determination of their Cohesive Energy. <i>Journal of the American Chemical Society</i> , 2007, 129, 284-285.	6.6	295
14	Volatility of Aprotic Ionic Liquids — A Review. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 3-12.	1.0	294
15	Thermophysical and thermodynamic properties of ionic liquids over an extended pressure range: [bmim][NTf2] and [hmim][NTf2]. <i>Journal of Chemical Thermodynamics</i> , 2005, 37, 888-899.	1.0	287
16	Thermodynamic Properties of Imidazolium-Based Ionic Liquids: Densities, Heat Capacities, and Enthalpies of Fusion of [bmim][PF6] and [bmim][NTf2]. <i>Journal of Chemical & Engineering Data</i> , 2006, 51, 1856-1859.	1.0	254
17	Deviations from Ideality in Mixtures of Two Ionic Liquids Containing a Common Ion. <i>Journal of Physical Chemistry B</i> , 2005, 109, 3519-3525.	1.2	246
18	Pyridinium salts: from synthesis to reactivity and applications. <i>Organic Chemistry Frontiers</i> , 2018, 5, 453-493.	2.3	230

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19	Phase behaviour of room temperature ionic liquid solutions: an unusually large co-solvent effect in (water+ethanol). <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 1701-1703.	1.3	221
20	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
21	Accounting for the Unique, Doubly Dual Nature of Ionic Liquids from a Molecular Thermodynamic and Modeling Standpoint. <i>Accounts of Chemical Research</i> , 2007, 40, 1114-1121.	7.6	213
22	High-performance extraction of alkaloids using aqueous two-phase systems with ionic liquids. <i>Green Chemistry</i> , 2010, 12, 1715.	4.6	213
23	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 & Engineering Data</i> , 2005, 50, 997-1008.	1.0	201
24	The Nature of Ionic Liquids in the Gas Phase. <i>Journal of Physical Chemistry A</i> , 2007, 111, 6176-6182.	1.1	201
25	High-Accuracy Vapor Pressure Data of the Extended [C _n Im][Ntf ₂] Ionic Liquid Series: Trend Changes and Structural Shifts. <i>Journal of Physical Chemistry B</i> , 2011, 115, 10919-10926.	1.2	199
26	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
27	Aqueous biphasic systems composed of a water-stable ionic liquid + carbohydrates and their applications. <i>Green Chemistry</i> , 2011, 13, 1536.	4.6	185
28	Densities and Derived Thermodynamic Properties of Ionic Liquids. 3. Phosphonium-Based Ionic Liquids over an Extended Pressure Range. <i>Journal of Chemical & Engineering Data</i> , 2006, 51, 237-242.	1.0	179
29	Ion Specific Effects on the Mutual Solubilities of Water and Hydrophobic Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2009, 113, 202-211.	1.2	175
30	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
31	On the Self-Aggregation and Fluorescence Quenching Aptitude of Surfactant Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2008, 112, 8645-8650.	1.2	168
32	Pressure, Isotope, and Water Co-solvent Effects in Liquid-Liquid Equilibria of (Ionic Liquid + Alcohol) Systems. <i>Journal of Physical Chemistry B</i> , 2003, 107, 12797-12807.	1.2	158
33	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
34	Three commentaries on the nano-segregated structure of ionic liquids. <i>Computational and Theoretical Chemistry</i> , 2010, 946, 70-76.	1.5	156
35	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
36	Polarity, Viscosity, and Ionic Conductivity of Liquid Mixtures Containing [C ₄ C ₁ Im][Ntf ₂] and a Molecular Component. <i>Journal of Physical Chemistry B</i> , 2011, 115, 6088-6099.	1.2	154

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37	Fluorinated Ionic Liquids: Properties and Applications. ACS Sustainable Chemistry and Engineering, 2013, 1, 427-439.	3.2	147
38	High-temperature surface tension and density measurements of 1-alkyl-3-methylimidazolium bistriflamide ionic liquids. Fluid Phase Equilibria, 2010, 294, 131-138.	1.4	145
39	Deep eutectic solvents as extraction media for azeotropic mixtures. Green Chemistry, 2013, 15, 1326.	4.6	141
40	Aqueous biphasic systems: a benign route using cholinium-based ionic liquids. RSC Advances, 2013, 3, 1835-1843.	1.7	138
41	Density, Speed of Sound, and Derived Thermodynamic Properties of Ionic Liquids over an Extended Pressure Range. 4. [C3mim][NTf2] and [C5mim][NTf2]. Journal of Chemical & Engineering Data, 2006, 51, 2009-2015.	1.0	130
42	Evidence for Lower Critical Solution Behavior in Ionic Liquid Solutions. Journal of the American Chemical Society, 2005, 127, 6542-6543.	6.6	128
43	Dissolution of cork biopolymers in biocompatible ionic liquids. Green Chemistry, 2010, 12, 367.	4.6	128
44	Changing from an unusual high-temperature demixing to a UCST-type in mixtures of 1-alkyl-3-methylimidazolium bis{(trifluoromethyl)sulfonyl}amide and arenes. Green Chemistry, 2006, 8, 262.	4.6	124
45	Extraction of l-lactic, l-malic, and succinic acids using phosphonium-based ionic liquids. Separation and Purification Technology, 2012, 85, 137-146.	3.9	123
46	Direct transformation of 5-hydroxymethylfurfural to the building blocks 2,5-dihydroxymethylfurfural (DHMF) and 5-hydroxymethyl furanoic acid (HMFA) via Cannizzaro reaction. Green Chemistry, 2013, 15, 2849.	4.6	122
47	Ionic liquid-based aqueous biphasic system for lipase extraction. Green Chemistry, 2011, 13, 390-396.	4.6	120
48	Singularity-free interpretation of the thermodynamics of supercooled water. II. Thermal and volumetric behavior. Journal of Chemical Physics, 1998, 109, 626-633.	1.2	119
49	Structural and Positional Isomerism Influence in the Physical Properties of Pyridinium NTf ₂ -Based Ionic Liquids: Pure and Water-Saturated Mixtures. Journal of Chemical & Engineering Data, 2010, 55, 4514-4520.	1.0	118
50	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
51	¹ H NMR and Molecular Dynamics Evidence for an Unexpected Interaction on the Origin of Salting-In/Salting-Out Phenomena. Journal of Physical Chemistry B, 2010, 114, 2004-2014.	1.2	116
52	Exploring fungal activity in the presence of ionic liquids. Green Chemistry, 2009, 11, 889.	4.6	113
53	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). Pure and Applied Chemistry, 2009, 81, 781-790.	0.9	111
54	New catanionic surfactants based on 1-alkyl-3-methylimidazolium alkylsulfonates, [C _n H _{2n+1} mim][C _m H _{2m+1} SO ₃]: mesomorphism and aggregation. Physical Chemistry Chemical Physics, 2009, 11, 4260.	1.3	111

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55	Development of novel ionic liquids based on ampicillin. <i>MedChemComm</i> , 2012, 3, 494.	3.5	105
56	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 & Engineering Data</i> , 2006, 51, 2215-2221.	1.0	104
57	Condensed phase behaviour of ionic liquid-benzene mixtures: congruent melting of a [emim][NTf2]-C6H6 inclusion crystal. <i>Chemical Communications</i> , 2006, , 2445-2447.	2.2	100
58	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
59	Salting-Out Effects in Aqueous Ionic Liquid Solutions: Cloud-Point Temperature Shifts. <i>Journal of Physical Chemistry B</i> , 2007, 111, 4737-4741.	1.2	97
60	Evaluation of solubility and partition properties of ampicillin-based ionic liquids. <i>International Journal of Pharmaceutics</i> , 2013, 456, 553-559.	2.6	97
61	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
62	Cholinium-based ionic liquids with pharmaceutically active anions. <i>RSC Advances</i> , 2014, 4, 28126-28132.	1.7	93
63	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
64	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
65	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
66	CO2 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
67	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> , 2009, 113, 9894-9900.	1.2	86
68	Density, Thermal Expansion and Viscosity of Cholinium-Derived Ionic Liquids. <i>ChemPhysChem</i> , 2012, 13, 1902-1909.	1.0	83
69	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
70	Salting-out in Aqueous Solutions of Ionic Liquids and K3PO4: Aqueous Biphasic Systems and Salt Precipitation. <i>International Journal of Molecular Sciences</i> , 2007, 8, 736-748.	1.8	81
71	Liquid-liquid behaviour of ionic liquid-1-butanol-water and high pressure CO2-induced phase changes. <i>Green Chemistry</i> , 2005, 7, 443.	4.6	80
72	Phase behavior of (polyacrylamides + water) solutions: concentration, pressure and isotope effects. <i>Fluid Phase Equilibria</i> , 2001, 185, 189-198.	1.4	77

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73	Alkyltrioctylphosphonium chloride ionic liquids: synthesis and physicochemical properties. Dalton Transactions, 2011, 40, 12750.	1.6	76
74	Isolation of suberin from birch outer bark and cork using ionic liquids: A new source of macromonomers. Industrial Crops and Products, 2013, 44, 520-527.	2.5	76
75	Isotope effects in solution thermodynamics: excess properties in solutions of isotopomers. Chemical Reviews, 1993, 93, 2645-2666.	23.0	75
76	Binary mixtures of ionic liquids with a common ion revisited: A molecular dynamics simulation study. Journal of Molecular Liquids, 2010, 153, 52-56.	2.3	75
77	Mutual Solubility of Water and Structural/Positional Isomers of <i>N</i> -Alkylpyridinium-Based Ionic Liquids. Journal of Physical Chemistry B, 2010, 114, 15925-15934.	1.2	74
78	Polymeric ionic liquid membranes containing IL- Ag^+ for ethylene/ethane separation via olefin-facilitated transport. Journal of Materials Chemistry A, 2014, 2, 5631.	5.2	74
79	Surface hydrophobization of bacterial and vegetable cellulose fibers using ionic liquids as solvent media and catalysts. Green Chemistry, 2011, 13, 2464.	4.6	71
80	Cholinium-based Supported Ionic Liquid Membranes: A Sustainable Route for Carbon Dioxide Separation. ChemSusChem, 2014, 7, 110-113.	3.6	71
81	1-Alkyl-3-methylimidazolium alkanesulfonate ionic liquids, $[\text{C}_n\text{H}_{2n+1}\text{mim}][\text{C}_k\text{H}_{2k+1}\text{SO}_3]$: synthesis and physicochemical properties. Physical Chemistry Chemical Physics, 2009, 11, 8939.	1.3	70
82	Solubility of inorganic salts in pure ionic liquids. Journal of Chemical Thermodynamics, 2012, 55, 29-36.	1.0	70
83	Playing with ionic liquid mixtures to design engineered CO_2 separation membranes. Physical Chemistry Chemical Physics, 2014, 16, 17172.	1.3	70
84	Pressure-Density-Temperature (p - ρ - T) Surface of $[\text{C}_6\text{mim}][\text{NTf}_2]$. Journal of Chemical & Engineering Data, 2008, 53, 867-870.	1.0	69
85	Protein stability in an ionic liquid milieu: on the use of differential scanning fluorimetry. Physical Chemistry Chemical Physics, 2011, 13, 13614.	1.3	69
86	Polymeric ionic liquids with mixtures of counter-anions: a new straightforward strategy for designing pyrrolidinium-based CO_2 separation membranes. Journal of Materials Chemistry A, 2013, 1, 10403.	5.2	69
87	Antitumor Activity of Ionic Liquids Based on Ampicillin. ChemMedChem, 2015, 10, 1480-1483.	1.6	68
88	Double Critical Phenomena in (Water + Polyacrylamides) Solutions. Macromolecules, 2002, 35, 1887-1895.	2.2	67
89	Nucleic acid bases in 1-alkyl-3-methylimidazolium acetate ionic liquids: A thermophysical and ionic conductivity analysis. Journal of Chemical Thermodynamics, 2013, 57, 1-8.	1.0	67
90	Alkyltributylphosphonium chloride ionic liquids: synthesis, physicochemical properties and crystal structure. Dalton Transactions, 2012, 41, 8316.	1.6	65

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91	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
92	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
93	Ionic Liquids in Polyethylene Glycol Aqueous Solutions: Salting-in and Salting-out Effects. <i>Monatshefte für Chemie</i> , 2007, 138, 1153-1157.	0.9	62
94	Phosphonium-based ionic liquids as modifiers for biomedical grade poly(vinyl chloride). <i>Acta Biomaterialia</i> , 2012, 8, 1366-1379.	4.1	62
95	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
96	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
97	Acute Aquatic Toxicity and Biodegradability of Fluorinated Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 3733-3741.	3.2	57
98	Thermodynamics of Negative Pressures in Liquids. <i>Journal of Non-Equilibrium Thermodynamics</i> , 1998, 23, .	2.4	56
99	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
100	Impact of ionic liquids on extreme microbial biotypes from soil. <i>Green Chemistry</i> , 2011, 13, 687.	4.6	54
101	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
102	Suberin isolation from cork using ionic liquids: characterisation of ensuing products. <i>New Journal of Chemistry</i> , 2012, 36, 2014.	1.4	54
103	Gas Permeation Properties of Fluorinated Ionic Liquids. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 4994-5001.	1.8	54
104	Aggregation Behavior and Total Miscibility of Fluorinated Ionic Liquids in Water. <i>Langmuir</i> , 2015, 31, 1283-1295.	1.6	54
105	On the hunt for truly biocompatible ionic liquids for lipase-catalyzed reactions. <i>RSC Advances</i> , 2015, 5, 3386-3389.	1.7	54
106	A new apparatus for the detection of phase equilibria in polymer solvent systems by light scattering. <i>Review of Scientific Instruments</i> , 1992, 63, 1717-1725.	0.6	53
107	Human cytotoxicity and octanol/water partition coefficients of fluorinated ionic liquids. <i>Chemosphere</i> , 2019, 216, 576-586.	4.2	53
108	Liquid Phase Behavior of Perfluoroalkylalkane Surfactants. <i>Journal of Physical Chemistry B</i> , 2007, 111, 2856-2863.	1.2	52

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109	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
110	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
111	Fluorinated ionic liquids for protein drug delivery systems: Investigating their impact on the structure and function of lysozyme. <i>International Journal of Pharmaceutics</i> , 2017, 526, 309-320.	2.6	49
112	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
113	Liquid-liquid equilibrium of (perfluoroalkane+alkane) binary mixtures. <i>Fluid Phase Equilibria</i> , 2006, 242, 210-219.	1.4	47
114	Interactions of Fluorinated Gases with Ionic Liquids: Solubility of CF ₄ , C ₂ F ₆ , and C ₃ F ₈ in Trihexyltetradecylphosphonium Bis(trifluoromethylsulfonyl)amide. <i>Journal of Physical Chemistry B</i> , 2008, 112, 12394-12400.	1.2	47
115	Aqueous biphasic systems involving alkylsulfate-based ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2011, 43, 1565-1572.	1.0	46
116	Influence of Nanosegregation on the Phase Behavior of Fluorinated Ionic Liquids. <i>Journal of Physical Chemistry C</i> , 2017, 121, 5415-5427.	1.5	46
117	Supercritical Carbon Dioxide-Induced Phase Changes in (Ionic Liquid, Water and Ethanol Mixture) Solutions: Application to Biphasic Catalysis. <i>ChemPhysChem</i> , 2003, 4, 520-522.	1.0	45
118	Solubility of alkanes, alkanols and their fluorinated counterparts in tetraalkylphosphonium ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 9685.	1.3	44
119	Ex Situ Reconstitution of the Plant Biopolyester Suberin as a Film. <i>Biomacromolecules</i> , 2014, 15, 1806-1813.	2.6	44
120	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> , 1999, 1, 4277-4286.	1.3	43
121	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> , 2004, 36, 211-222.	1.0	43
122	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
123	Isotope Effects. , 2009, , .		41
124	Hofmeister effects of ionic liquids in protein crystallization: Direct and water-mediated interactions. <i>CrystEngComm</i> , 2012, 14, 4912.	1.3	41
125	Thermophysical and magnetic studies of two paramagnetic liquid salts: [C4mim][FeCl ₄] and [P66614][FeCl ₄]. <i>Fluid Phase Equilibria</i> , 2013, 350, 43-50.	1.4	41
126	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

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127	Protonic Ammonium Nitrate Ionic Liquids and Their Mixtures: Insights into Their Thermophysical Behavior. <i>Journal of Physical Chemistry B</i> , 2016, 120, 2397-2406.	1.2	39
128	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> , 1995, 28, 745-767.	2.2	38
129	A continuous polydisperse thermodynamic algorithm for a modified flory-Huggins model: The (polystyrene + nitroethane) example. , 2000, 38, 632-651.		38
130	Influence of Nanosegregation on the Surface Tension of Fluorinated Ionic Liquids. <i>Langmuir</i> , 2016, 32, 6130-6139.	1.6	38
131	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
132	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
133	Characteristics of aggregation in aqueous solutions of dialkylpyrrolidinium bromides. <i>Journal of Colloid and Interface Science</i> , 2011, 360, 606-616.	5.0	36
134	Solubility of fluorinated compounds in a range of ionic liquids. Cloud-point temperature dependence on composition and pressure. <i>Green Chemistry</i> , 2008, 10, 918.	4.6	35
135	Raman Spectroscopic Study of the Vapor Phase of 1-Methylimidazolium Ethanoate, a Protic Ionic Liquid. <i>Journal of Physical Chemistry A</i> , 2010, 114, 10834-10841.	1.1	34
136	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
137	The alternation effect in ionic liquid homologous series. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 4033-4038.	1.3	34
138	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
139	Viscosity and ultrasonic studies of poly(N-isopropylacrylamide)-water solutions. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003, 41, 1219-1233.	2.4	33
140	Co-solvent effects in LLE of 1-hydroxyethyl-3-methylimidazolium based ionic liquids+2-propanol+dichloromethane or 1,2-dichloroethane. <i>Fluid Phase Equilibria</i> , 2007, 254, 35-41.	1.4	33
141	Phase Equilibria in Ionic Liquid-Aromatic Compound Mixtures, Including Benzene Fluorination Effects. <i>Journal of Physical Chemistry B</i> , 2009, 113, 7631-7636.	1.2	33
142	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
143	Organocatalyzed One-Step Synthesis of Functionalized N-Alkyl-Pyridinium Salts from Biomass Derived 5-Hydroxymethylfurfural. <i>Organic Letters</i> , 2015, 17, 5244-5247.	2.4	33
144	Two ways of looking at Prigogine and Defay's equation Electronic supplementary information (ESI) available: Sources of $vE(x,T)$ and $hE(x,T)$ data. See http://www.rsc.org/suppdata/cp/b2/b200292b/ . <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 2251-2259.	1.3	31

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145	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
146	The Nature of Protic Ionic Liquids in the Gas Phase Revisited: Fourier Transform Ion Cyclotron Resonance Mass Spectrometry Study of 1,1,3,3-Tetramethylguanidinium Chloride. <i>Journal of Physical Chemistry B</i> , 2010, 114, 8905-8909.	1.2	30
147	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
148	Phase Behavior and Thermodynamic Properties of Ionic Liquids, Ionic Liquid Mixtures, and Ionic Liquid Solutions. <i>ACS Symposium Series</i> , 2005, , 270-291.	0.5	29
149	Ionic liquids and reactive azeotropes: the continuity of the aprotic and protic classes. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 1948.	1.3	29
150	Solvent H/D isotope effects on miscibility and \hat{T} -temperature in the polystyrene-cyclohexane system. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 2996-3002.	1.3	28
151	(Liquid + liquid) equilibria of (polystyrene + nitroethane). Molecular weight, pressure, and isotope effects. <i>Journal of Chemical Thermodynamics</i> , 2000, 32, 355-387.	1.0	27
152	Bridging the Gap between Ionic Liquids and Molten Salts: Group 1 Metal Salts of the Bistriflamide Anion in the Gas Phase. <i>Journal of Physical Chemistry B</i> , 2009, 113, 3491-3498.	1.2	27
153	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
154	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
155	The "Hidden" Phase Diagram of Water + 3-Methylpyridine at Large Absolute Negative Pressures. <i>Journal of Physical Chemistry B</i> , 2003, 107, 9837-9846.	1.2	25
156	Phase Equilibria of Haloalkanes Dissolved in Ethylsulfate- or Ethylsulfonate-Based Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2010, 114, 7329-7337.	1.2	24
157	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
158	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
159	Vaporisation of a Dicationic Ionic Liquid Revisited. <i>ChemPhysChem</i> , 2010, 11, 3673-3677.	1.0	23
160	Investigating <i>Aspergillus nidulans</i> secretome during colonisation of cork cell walls. <i>Journal of Proteomics</i> , 2014, 98, 175-188.	1.2	23
161	Phase equilibria and surfactant behavior of fluorinated ionic liquids with water. <i>Journal of Chemical Thermodynamics</i> , 2015, 82, 99-107.	1.0	23
162	Solid-liquid equilibria of binary mixtures of fluorinated ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 25741-25750.	1.3	23

#	ARTICLE	IF	CITATIONS
163	Thermophysical Characterization of Ionic Liquids Based on the Perfluorobutanesulfonate Anion: Experimental and Soft-SAFT Modeling Results. <i>ChemPhysChem</i> , 2017, 18, 2012-2023.	1.0	23
164	The role of water in cholinium carboxylate ionic liquid TM s aqueous solutions. <i>Journal of Chemical Thermodynamics</i> , 2015, 84, 93-100.	1.0	22
165	Aggregation and phase equilibria of fluorinated ionic liquids. <i>Journal of Molecular Liquids</i> , 2019, 285, 386-396.	2.3	22
166	Thermodynamics of liquid (dimethylether + xenon). <i>Journal of Chemical Thermodynamics</i> , 1986, 18, 931-938.	1.0	21
167	Non-ideality in isotopic mixtures. <i>Chemical Society Reviews</i> , 1994, 23, 257-264.	18.7	21
168	Calculation of vapor pressure isotope effects in the rare gases and their mixtures using an integral equation theory. <i>Journal of Chemical Physics</i> , 2003, 118, 5028-5037.	1.2	21
169	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
170	Viscosity minima in binary mixtures of ionic liquids + molecular solvents. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 13480-13494.	1.3	21
171	The excess thermodynamic properties of liquid (CH ₄ +CD ₄). <i>Journal of Chemical Physics</i> , 1994, 100, 4582-4590.	1.2	20
172	Solution thermodynamics near the liquid-liquid critical point. <i>Fluid Phase Equilibria</i> , 2007, 258, 7-15.	1.4	20
173	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
174	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
175	An unusual phase diagram: The polystyrene/acetone system in its hypercritical region; near tricritical behavior in a pseudobinary solution. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1993, 31, 895-897.	2.4	19
176	(Liquid+liquid) equilibria of perfluorocarbons with fluorinated ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2013, 64, 71-79.	1.0	19
177	A centennial catalogue of hydro-geomorphological events and their atmospheric forcing. <i>Advances in Water Resources</i> , 2018, 122, 98-112.	1.7	19
178	Molecular dynamics studies on the structure and interactions of ionic liquids containing amino-acid anions. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 23864-23872.	1.3	19
179	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
180	On the Use of Ionic Liquids To Tune Crystallization. <i>Crystal Growth and Design</i> , 2011, 11, 684-691.	1.4	18

#	ARTICLE	IF	CITATIONS
181	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
182	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
183	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
184	Designing the ammonium cation to achieve a higher hydrophilicity of bistriflimide-based ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 19307-19313.	1.3	17
185	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
186	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
187	Metastable critical lines in (acetone+polystyrene) solutions and the continuity of solvent-quality states. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 1046-1052.	1.3	16
188	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
189	Nicotine: On the Potential Role of Ionic Liquids for Its Processing and Purification. <i>Journal of Physical Chemistry B</i> , 2007, 111, 7934-7937.	1.2	15
190	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
191	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
192	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
193	Vapor pressure of tetradeuteriomethane. <i>The Journal of Physical Chemistry</i> , 1989, 93, 3355-3360.	2.9	14
194	Microwave assisted extraction of betulin from birch outer bark. <i>RSC Advances</i> , 2013, 3, 21285.	1.7	14
195	Thermodynamic properties of liquid mixtures of krypton and xenon. <i>The Journal of Physical Chemistry</i> , 1986, 90, 1892-1896.	2.9	13
196	Liquid-liquid equilibrium of (1H,1H,7H-perfluoroheptan-1-ol+perfluoroalkane) binary mixtures. <i>Fluid Phase Equilibria</i> , 2007, 251, 33-40.	1.4	13
197	Mixtures of Pyridine and Nicotine with Pyridinium-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2011, 56, 4356-4363.	1.0	13
198	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

#	ARTICLE	IF	CITATIONS
199	Dynamic Light Scattering of Polymer/Solvent Solutions Under Pressure. Near-Critical Demixing (0.1) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 1999, 32, 7299-7311.	2.2	12
200	Viscosity Mixing Rules for Binary Systems Containing One Ionic Liquid. ChemPhysChem, 2013, 14, 1956-1968.	1.0	12
201	Mixtures of the 1-ethyl-3-methylimidazolium acetate ionic liquid with different inorganic salts: insights into their interactions. Physical Chemistry Chemical Physics, 2016, 18, 2756-2766.	1.3	12
202	On the pseudo-Gr ^{1/4} neisen parameters of molecular liquids. Journal of Molecular Liquids, 1992, 54, 115-124.	2.3	11
203	Achieving Absolute Negative Pressures in Liquids: Precipitation Phenomena in Solution. Journal of Chemical Education, 2002, 79, 869.	1.1	11
204	Isotope effects on VLE properties of fluids and corresponding states: Critical point shifts on isotopic substitution. Fluid Phase Equilibria, 2007, 257, 35-52.	1.4	11
205	Highly water soluble room temperature superionic liquids of APIs. New Journal of Chemistry, 2017, 41, 6986-6990.	1.4	11
206	An Interpretation of the Vapor Phase Second Virial Coefficient Isotope Effect: Correlation of Virial Coefficient and Vapor Pressure Isotope Effects. Journal of Physical Chemistry A, 2001, 105, 9284-9297.	1.1	10
207	Water and Gallium at Absolute Negative Pressures. Loci of Maximum Density and of Melting. International Journal of Thermophysics, 2001, 22, 1159-1174.	1.0	10
208	Biodegradable Polymer-Phase Behavior: Liquid-Liquid Equilibrium of Ethyl Lactate and Poly(Lactic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.0	10
209	Chemoinformatic Approaches To Predict the Viscosities of Ionic Liquids and Ionic Liquid-Containing Systems. ChemPhysChem, 2019, 20, 2767-2773.	1.0	10
210	Vapor pressure of partially deuterated methanes (CH ₃ D, CH ₂ D ₂ , and CHD ₃). Journal of Chemical Physics, 1997, 106, 8792-8798.	1.2	9
211	Hypercritically enhanced distortion of a phase diagram: The (polystyrene + acetaldehyde) system. , 1997, 35, 631-637.		9
212	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
213	Improving the Separation of <i>n</i> -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
214	Correlation Radii for Polystyrene (PS) in Poor and γ Solvents from Dynamic Light and Small Angle Neutron Scattering. New Data for PS/Acetone. Remarks on PS/Acetone, PS/Cyclohexane, and PS/Methylcyclohexane. Macromolecules, 1999, 32, 7312-7318.	2.2	8
215	Non-ideality of an ϵ -ideal ϵ^{TM} liquid mixture: (36Ar + 40Ar). Physical Chemistry Chemical Physics, 2000, 2, 1095-1097.	1.3	8
216	Vapor Pressure and Related Thermodynamic Properties of 36Ar. Journal of Physical Chemistry B, 2000, 104, 8735-8742.	1.2	8

#	ARTICLE	IF	CITATIONS
217	Deuterium isotope differences in 2-propanone, (CH ₃) ₂ CO/(CD ₃) ₂ CO: a high-pressure sound-speed, density, and heat capacities study. <i>Journal of Chemical Thermodynamics</i> , 2005, 37, 671-683.	1.0	8
218	Internal $\hat{\mu}$ activity: localisation, compositional associations and effects on OSL signals in quartz approaching $\hat{\mu}^2$ saturation. <i>Radiation Measurements</i> , 2009, 44, 494-500.	0.7	8
219	Ionic-Liquid-Functionalized Mineral Particles for Protein Crystallization. <i>Crystal Growth and Design</i> , 2015, 15, 2994-3003.	1.4	8
220	Excess enthalpies of liquid (ethene + xenon) at 162.9 K. <i>Journal of Chemical Thermodynamics</i> , 1987, 19, 35-38.	1.0	7
221	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
222	Morphodynamic evolution of a sand extraction excavation offshore Vale do Lobo, Algarve, Portugal. <i>Coastal Engineering</i> , 2014, 88, 75-87.	1.7	7
223	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
224	Vapour pressure of trideuterioammonia. <i>Journal of Chemical Thermodynamics</i> , 1992, 24, 993-1000.	1.0	6
225	The Excess Molar Gibbs Energy of Nuclidic Liquid Mixtures. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1995, 99, 721-729.	0.9	6
226	Evidence for nonideality in the fundamental liquid mixture (36Ar+40Ar). <i>Journal of Chemical Physics</i> , 2000, 113, 8706-8716.	1.2	6
227	Meteorological Driving Mechanisms and Human Impacts of the February 1979 Extreme Hydro-Geomorphological Event in Western Iberia. <i>Water (Switzerland)</i> , 2018, 10, 454.	1.2	6
228	Surfactant Fluorinated Ionic Liquids. <i>RSC Smart Materials</i> , 2017, , 79-102.	0.1	6
229	Thermodynamics of binary liquid mixtures of partially deuterated methanes with CH ₄ or CD ₄ . <i>Journal of Chemical Physics</i> , 1997, 106, 8799-8805.	1.2	5
230	Infrared light-induced protein crystallization. Structuring of protein interfacial water and periodic self-assembly. <i>Journal of Crystal Growth</i> , 2017, 457, 362-368.	0.7	5
231	Ionic Liquids in Wonderland: From Electrostatics to Coordination Chemistry. <i>Journal of Physical Chemistry C</i> , 2019, 123, 5804-5811.	1.5	5
232	Adsorption and viscoelastic behaviour of ionic liquid surfactants on gold surfaces. <i>Journal of Molecular Liquids</i> , 2019, 282, 633-641.	2.3	5
233	A Simple Quantum Statistical Thermodynamics Interpretation of an Impressive Phase Diagram Pressure Shift upon (H/D) Isotopic Substitution in Water + 3-Methylpyridine. <i>Journal of Physical Chemistry B</i> , 2006, 110, 1377-1387.	1.2	4
234	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

#	ARTICLE	IF	CITATIONS
235	Viscosity of [C4mim][(CF3SO2)2N], [C4mim][N(CN)2], [C2mim][C2H5SO4] 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
236	Deviations from ideal behavior in isotopic mixtures of ammonia. <i>Journal of Chemical Physics</i> , 2001, 115, 5546-5553.	1.2	3
237	Membrane osmometer for use at moderate applied pressures. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003, 41, 3064-3069.	2.4	3
238	Rationalizing the Diverse Solid-Liquid Equilibria of Binary Mixtures of Benzene and Its Fluorinated Derivatives. <i>Journal of Physical Chemistry B</i> , 2010, 114, 12589-12596.	1.2	3
239	Hollow calcite rhombohedra at ionic liquid-stabilized bubbles. <i>CrystEngComm</i> , 2012, 14, 5723.	1.3	3
240	Quantification of sediments accumulated in the NW sector of Tróia Peninsula (Portugal) between 1928 and 1995. <i>Journal of Coastal Conservation</i> , 2012, 16, 261-268.	0.7	3
241	Probing Ionic Liquid Aqueous Solutions Using Temperature of Maximum Density Isotope Effects. <i>Molecules</i> , 2013, 18, 3703-3711.	1.7	3
242	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
243	Effect of deuterium substitution on the vapour pressure of dichloromethane. <i>Fluid Phase Equilibria</i> , 1990, 55, 147-158.	1.4	2
244	Isotopic krypton mixtures revisited: Vapor pressure isotope effects. <i>Journal of Chemical Physics</i> , 2002, 117, 8836-8841.	1.2	2
245	High-resolution geological cartography and coastal evolution assessment at Armação de Pêra - Galiza sector: a prototype for a national coastal mapping. <i>Journal of Coastal Conservation</i> , 2018, 22, 1031-1043.	0.7	2
246	Chapter 7. Isotope Effects on Solubility. , 2007, , 78-93.		2
247	Negative Pressure Regimes in Ionic Liquids: Structure and Interactions in Stretched Liquids as Probed by NMR. <i>ECS Transactions</i> , 2018, 86, 141-147.	0.3	1
248	Hypercritically enhanced distortion of a phase diagram: The (polystyrene + acetaldehyde) system. , 1997, 35, 631.		1
249	Measuring the Properties of Liquids and Liquid Mixtures at Absolute Negative Pressures. , 2002, , 95-108.		1
250	Chapter 5. Solubility Phenomena in "Green" Quaternary Mixtures (Ionic liquid + Water + Alcohol + Tj ETQq0 0 0 rgBT /Qverlock 10		1
251	Phase Equilibrium in Complex Liquids under Negative Pressure. , 2004, , 177-189.		0
252	Phase Behavior and Thermodynamic Properties of Ionic Liquids, Ionic Liquid Mixtures, and Ionic Liquid Solutions. <i>ChemInform</i> , 2006, 37, no.	0.1	0

#	ARTICLE	IF	CITATIONS
253	On the Merge of Fungal Activity with Ionic Liquids towards the Development of New Biotechnological Processes. ACS Symposium Series, 2010, , 197-207.	0.5	0
254	Introduction to the Special Section on the 2009 Iberian Meeting on Ionic Liquids (IMIL). Journal of Chemical & Engineering Data, 2010, 55, 589-589.	1.0	0
255	New CO2 Separation Membranes based on Pyrrolidinium Ionic Materials. Procedia Engineering, 2012, 44, 1583-1584.	1.2	0
256	Negative Pressure Regimes in Ionic Liquids: Structure and Interactions in Stretched Liquids as Probed by NMR. ECS Meeting Abstracts, 2018, , .	0.0	0