

# Jos M S S Esperana

## List of Publications by Citations

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132  
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41  
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143  
ext. papers

9,306  
ext. citations

4.7  
avg, IF

5.8  
L-index

#	Paper	IF	Citations
132	The distillation and volatility of ionic liquids. <i>Nature</i> , <b>2006</b> , 439, 831-4	50.4	1732
131	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
130	Ionic liquids in separations of azeotropic systems [A review]. <i>Journal of Chemical Thermodynamics</i> , <b>2012</b> , 46, 2-28	2.9	359
129	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
128	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
127	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
126	Volatility of Aprotic Ionic Liquids [A Review]. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2010</b> , 55, 3-12	2.8	259
125	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
124	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
123	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
122	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
121	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
120	High-accuracy vapor pressure data of the extended [C(n)C1im][Ntf2] ionic liquid series: trend changes and structural shifts. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 10919-26	3.4	182
119	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
118	Studies on the density, heat capacity, surface tension and infinite dilution diffusion with the ionic liquids [C4mim][NTf2], [C4mim][dca], [C2mim][EtOSO3] and [Aliquat][dca]. <i>Fluid Phase Equilibria</i> , <b>2010</b> , 294, 157-179	2.5	155
117	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
116	Pyridinium salts: from synthesis to reactivity and applications. <i>Organic Chemistry Frontiers</i> , <b>2018</b> , 5, 453-493	3.2	142

115	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
114	Density, Speed of Sound, and Derived Thermodynamic Properties of Ionic Liquids over an Extended Pressure Range. 4. [C3mim][NTf2] and [C5mim][NTf2]. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2006</b> , 51, 2009-2015	2.8	124
113	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
112	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
111	Ionic liquid-based aqueous biphasic system for lipase extraction. <i>Green Chemistry</i> , <b>2011</b> , 13, 390-396	10	111
110	Understanding the impact of the central atom on the ionic liquid behavior: phosphonium vs ammonium cations. <i>Journal of Chemical Physics</i> , <b>2014</b> , 140, 064505	3.9	109
109	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
108	Effect of temperature on the physical properties of two ionic liquids. <i>Journal of Chemical Thermodynamics</i> , <b>2009</b> , 41, 1419-1423	2.9	96
107	Fluid-Phase Behavior of {1-Hexyl-3-methylimidazolium Bis(trifluoromethylsulfonyl) Imide, [C6mim][NTf2], + C20-18n-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
106	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
105	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
104	Density, thermal expansion and viscosity of cholinium-derived ionic liquids. <i>ChemPhysChem</i> , <b>2012</b> , 13, 1902-9	3.2	75
103	Investigation of polymer electrolyte based on agar and ionic liquids. <i>EXPRESS Polymer Letters</i> , <b>2012</b> , 6, 1007-1016	3.4	70
102	Effect of ionic liquid anion and cation on the physico-chemical properties of poly(vinylidene fluoride)/ionic liquid blends. <i>European Polymer Journal</i> , <b>2015</b> , 71, 304-313	5.2	63
101	Solubility of inorganic salts in pure ionic liquids. <i>Journal of Chemical Thermodynamics</i> , <b>2012</b> , 55, 29-36	2.9	62
100	Pressure-Density-Temperature (p-T) Surface of [C6mim][NTf2]. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2008</b> , 53, 867-870	2.8	62
99	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
98	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

97	High performance electromechanical actuators based on ionic liquid/poly(vinylidene fluoride). <i>Polymer Testing</i> , <b>2015</b> , 48, 199-205	4.5	45
96	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
95	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
94	Novel polymer electrolytes based on gelatin and ionic liquids. <i>Optical Materials</i> , <b>2012</b> , 35, 187-195	3.3	43
93	Natural convection heat transfer in horizontal eccentric elliptic annuli containing saturated porous media. <i>International Journal of Heat and Mass Transfer</i> , <b>2000</b> , 43, 4367-4379	4.9	43
92	Ionic Liquid Cation Size-Dependent Electromechanical Response of Ionic Liquid/Poly(vinylidene fluoride)-Based Soft Actuators. <i>Journal of Physical Chemistry C</i> , <b>2019</b> ,	3.8	41
91	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
90	Enhancement of water solubility of poorly water-soluble drugs by new biocompatible N-acetyl amino acid N-alkyl cholinium-based ionic liquids. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2019</b> , 137, 227-232	5.7	40
89	Development of poly(vinylidene fluoride)/ionic liquid electrospun fibers for tissue engineering applications. <i>Journal of Materials Science</i> , <b>2016</b> , 51, 4442-4450	4.3	40
88	Effect of storage time on the ionic conductivity of chitosan-solid polymer electrolytes incorporating cyano-based ionic liquids. <i>Electrochimica Acta</i> , <b>2017</b> , 232, 22-29	6.7	35
87	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
86	Alkylsulfate-based ionic liquids to separate azeotropic mixtures. <i>Fluid Phase Equilibria</i> , <b>2010</b> , 291, 13-17	2.5	35
85	Electromechanical actuators based on poly(vinylidene fluoride) with [N1 1 1 2(OH)][NTf2] and [C2mim] [C2SO4]. <i>Journal of Materials Science</i> , <b>2016</b> , 51, 9490-9503	4.3	34
84	Imidazolium-based ionic liquid type dependence of the bending response of polymer actuators. <i>European Polymer Journal</i> , <b>2016</b> , 85, 445-451	5.2	34
83	Generating Ionic Liquids from Ionic Solids: An Investigation of the Melting Behavior of Binary Mixtures of Ionic Liquids. <i>Crystal Growth and Design</i> , <b>2014</b> , 14, 4270-4277	3.5	34
82	Structural/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
81	Alkylsulfate-based ionic liquids to separate azeotropic mixtures. <i>Fluid Phase Equilibria</i> , <b>2010</b> , 294, 49-53	2.5	33
80	Hofmeister effects of ionic liquids in protein crystallization: Direct and water-mediated interactions. <i>CrystEngComm</i> , <b>2012</b> , 14, 4912	3.3	32

79	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
78	Thermophysical and magnetic studies of two paramagnetic liquid salts: [C4mim][FeCl4] and [P6 6 6 14][FeCl4]. <i>Fluid Phase Equilibria</i> , <b>2013</b> , 350, 43-50	2.5	30
77	A biocompatible stepping stone for the removal of emerging contaminants. <i>Separation and Purification Technology</i> , <b>2015</b> , 153, 91-98	8.3	29
76	Liquid-liquid equilibrium of cholinium-derived bistriflimide ionic liquids with water and octanol. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 9186-95	3.4	29
75	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> , <b>2010</b> , 114, 8905-9	3.4	28
74	Phase Behavior and Thermodynamic Properties of Ionic Liquids, Ionic Liquid Mixtures, and Ionic Liquid Solutions. <i>ACS Symposium Series</i> , <b>2005</b> , 270-291	0.4	28
73	Ionic Liquid-Impregnated Metal-Organic Frameworks for CO <sub>2</sub> /CH <sub>4</sub> Separation. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 7933-7950	5.6	28
72	Organocatalyzed One-Step Synthesis of Functionalized N-Alkyl-Pyridinium Salts from Biomass Derived 5-Hydroxymethylfurfural. <i>Organic Letters</i> , <b>2015</b> , 17, 5244-7	6.2	26
71	Development of solid polymer electrolytes based on poly(vinylidene fluoride-trifluoroethylene) and the [N1 1 1 2(OH)][NTf2] ionic liquid for energy storage applications. <i>Solid State Ionics</i> , <b>2013</b> , 253, 143-150	3.3	26
70	Low-field giant magneto-ionic response in polymer-based nanocomposites. <i>Nanoscale</i> , <b>2018</b> , 10, 15747-15754	15.754	24
69	Using 129Xe NMR to Probe the Structure of Ionic Liquids. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 2758-2762	6.4	24
68	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> , <b>2009</b> , 113, 3491-8	3.4	24
67	Effect of Ionic Liquid Anion Type in the Performance of Solid Polymer Electrolytes Based on Poly(Vinylidene fluoride-trifluoroethylene). <i>Electroanalysis</i> , <b>2015</b> , 27, 457-464	3	23
66	Phase equilibria of haloalkanes dissolved in ethylsulfate- or ethylsulfonate-based ionic liquids. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 7329-37	3.4	23
65	Ionic-Liquid-Based Printable Materials for Thermochromic and Thermoresistive Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 20316-20324	9.5	22
64	Polymer electrolytes for electrochromic devices through solvent casting and sol-gel routes. <i>Solar Energy Materials and Solar Cells</i> , <b>2017</b> , 169, 98-106	6.4	21
63	Unusual LCST-type behaviour found in binary mixtures of choline-based ionic liquids with ethers. <i>RSC Advances</i> , <b>2013</b> , 3, 10262	3.7	21
62	Solubility of non-aromatic hexafluorophosphate-based salts and ionic liquids in water determined by electrical conductivity. <i>Fluid Phase Equilibria</i> , <b>2013</b> , 358, 50-55	2.5	20

61	Viscosity minima in binary mixtures of ionic liquids + molecular solvents. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 13480-94	3.6	18
60	Gellan gum based liquid membranes for electrochromic device application. <i>Solid State Ionics</i> , <b>2015</b> , 274, 64-70	3.3	18
59	On the Use of Ionic Liquids To Tune Crystallization. <i>Crystal Growth and Design</i> , <b>2011</b> , 11, 684-691	3.5	18
58	Anomalous and Not-So-Common Behavior in Common Ionic Liquids and Ionic Liquid-Containing Systems. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 450	5	17
57	Ionic liquids for solid-state electrolytes and electrosynthesis. <i>Journal of Electroanalytical Chemistry</i> , <b>2014</b> , 714-715, 63-69	4.1	17
56	Ultrasonic Speed of Sound and Derived Thermodynamic Properties of Liquid 1,1,1,2,3,3,3-Heptafluoropropane (HFC227ea) from 248 K to 333 K and Pressures up to 65 MPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2000</b> , 45, 496-501	2.8	16
55	Effect of the alkyl chain length of the ionic liquid anion on polymer electrolytes properties. <i>Electrochimica Acta</i> , <b>2015</b> , 184, 171-178	6.7	15
54	Magnetic ionic liquid/polymer composites: Tailoring physico-chemical properties by ionic liquid content and solvent evaporation temperature. <i>Composites Part B: Engineering</i> , <b>2019</b> , 178, 107516	10	15
53	Shifts in the temperature of maximum density (TMD) of ionic liquid aqueous solutions. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 10960-70	3.6	15
52	Characterization of flexible DNA films. <i>Electrochemistry Communications</i> , <b>2012</b> , 22, 189-192	5.1	15
51	Structural, morphological, ionic conductivity, and thermal properties of pectin-based polymer electrolytes. <i>Molecular Crystals and Liquid Crystals</i> , <b>2017</b> , 643, 266-273	0.5	14
50	Molecular relaxation and ionic conductivity of ionic liquids confined in a poly(vinylidene fluoride) polymer matrix: Influence of anion and cation type. <i>Polymer</i> , <b>2019</b> , 171, 58-69	3.9	14
49	Odd-even effect on the formation of aqueous biphasic systems formed by 1-alkyl-3-methylimidazolium chloride ionic liquids and salts. <i>Journal of Chemical Physics</i> , <b>2018</b> , 148,	3.9	14
48	Probing the self-aggregation of ionic liquids in aqueous solutions using density and speed of sound data. <i>Journal of Chemical Thermodynamics</i> , <b>2013</b> , 59, 43-48	2.9	14
47	New insight into phase equilibria involving imidazolium bistriflamide ionic liquids and their mixtures with alcohols and water. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 8978-85	3.4	14
46	Designing the ammonium cation to achieve a higher hydrophilicity of bistriflimide-based ionic liquids. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 19307-19313	3.6	13
45	Spontaneous emulsification in ionic liquid/water systems and its use for templating of solids. <i>Soft Matter</i> , <b>2014</b> , 10, 3798-805	3.6	13
44	Pesticide removal from aqueous solutions by adding salting out agents. <i>International Journal of Molecular Sciences</i> , <b>2013</b> , 14, 20954-65	6.3	13

43	Playing with ionic liquids to uncover novel polymer electrolytes. <i>Solid State Ionics</i> , <b>2017</b> , 300, 46-52	3.3	11
42	Polymer electrolyte based on DNA and N,N,N-trimethyl-N-(2-hydroxyethyl)ammonium bis(trifluoromethylsulfonyl)imide. <i>Journal of Electroanalytical Chemistry</i> , <b>2015</b> , 748, 70-75	4.1	11
41	Paramagnetic Ionic Liquid/Metal Organic Framework Composites for CO/CH and CO/N Separations. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 590191	5	10
40	Polycyclic aromatic hydrocarbons as model solutes for carbon nanomaterials in ionic liquids. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 27694-27703	3.6	8
39	Simultaneous Separation of Antioxidants and Carbohydrates From Food Wastes Using Aqueous Biphasic Systems Formed by Cholinium-Derived Ionic Liquids. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 459	5	8
38	Ionic-Liquid-Functionalized Mineral Particles for Protein Crystallization. <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 2994-3003	3.5	8
37	A luminescent europium ionic liquid to improve the performance of chitosan polymer electrolytes. <i>Electrochimica Acta</i> , <b>2017</b> , 240, 474-485	6.7	7
36	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> , <b>2015</b> , 160, 308-314	4.4	6
35	Chitosan polymer electrolytes doped with a dysprosium ionic liquid. <i>Journal of Polymer Research</i> , <b>2020</b> , 27, 1	2.7	6
34	Molecular dynamics studies on the structure and interactions of ionic liquids containing amino-acid anions. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 23864-23872	3.6	6
33	Acoustic Determination of Thermophysical Properties and Critical Parameters for R404A and Critical Line of xCO <sub>2</sub> + (1-x)R404A. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2006</b> , 51, 1148-1155	2.8	6
32	Deuterium isotope differences in 2-propanone, (CH <sub>3</sub> ) <sub>2</sub> CO/(CD <sub>3</sub> ) <sub>2</sub> CO: a high-pressure sound-speed, density, and heat capacities study. <i>Journal of Chemical Thermodynamics</i> , <b>2005</b> , 37, 671-683	2.9	6
31	Design of Ionic-Liquid-Based Hybrid Polymer Materials with a Magnetoactive and Electroactive Multifunctional Response. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 42089-42098	9.5	6
30	Infrared light-induced protein crystallization. Structuring of protein interfacial water and periodic self-assembly. <i>Journal of Crystal Growth</i> , <b>2017</b> , 457, 362-368	1.6	5
29	Ionic Liquids for the Electroreductive Radical Cyclization of Unsaturated Bromo Derivatives Catalyzed by Nickel(II) Complexes. <i>Journal of the Electrochemical Society</i> , <b>2016</b> , 163, G21-G25	3.9	5
28	Chitosan and Ionic Liquid Based Solid Polymer Electrolytes: The Anion Alkyl Chain Length Effect. <i>ECS Transactions</i> , <b>2014</b> , 61, 51-59	1	5
27	Electrochemical Applications of Electrolytes based on Ionic Liquids. <i>ECS Transactions</i> , <b>2013</b> , 45, 235-244	1	5
26	Improvement of New Dianionic Ionic Liquids vs Monoanionic in Solubility of Poorly Water-Soluble Drugs. <i>Journal of Pharmaceutical Sciences</i> , <b>2021</b> , 110, 2489-2500	3.9	5

25	QSPR Modeling of Liquid-liquid Equilibria in Two-phase Systems of Water and Ionic Liquid. <i>Molecular Informatics</i> , <b>2020</b> , 39, e2000001	3.8	4
24	ILs through the looking glass: electrostatics and structure probed using charge-inverted ionic liquid pairs. <i>Faraday Discussions</i> , <b>2018</b> , 206, 203-218	3.6	4
23	Insights into CO <sub>2</sub> hydrates formation and dissociation at isochoric conditions using a rocking cell apparatus. <i>Chemical Engineering Science</i> , <b>2021</b> , 249, 117319	4.4	4
22	CHAPTER 4: Surfactant Fluorinated Ionic Liquids. <i>RSC Smart Materials</i> , <b>2017</b> , 79-102	0.6	4
21	Ionic Liquids in Wonderland: From Electrostatics to Coordination Chemistry. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 5804-5811	3.8	3
20	Hollow calcite rhombohedra at ionic liquid-stabilized bubbles. <i>CrystEngComm</i> , <b>2012</b> , 14, 5723	3.3	3
19	Synthesis and electrochemical characterization of aPEO-based polymer electrolytes. <i>Journal of Solid State Electrochemistry</i> , <b>2012</b> , 16, 1623-1629	2.6	3
18	Rationalizing the diverse solid-liquid equilibria of binary mixtures of benzene and its fluorinated derivatives. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 12589-96	3.4	3
17	Acoustic Determination of Thermophysical Properties and Critical Parameters for R410A and Critical Line of xCO <sub>2</sub> + (1 - x)R410A. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2006</b> , 51, 1906-1914	2.8	3
16	New Non-Toxic N-alkyl Cholinium-Based Ionic Liquids as Excipients to Improve the Solubility of Poorly Water-Soluble Drugs. <i>Symmetry</i> , <b>2021</b> , 13, 2053	2.7	3
15	Biopolymer Electrolyte Membranes (BioPEMs) for Sustainable Primary Redox Batteries. <i>Advanced Sustainable Systems</i> , <b>2020</b> , 4, 1900110	5.9	3
14	New non-toxic biocompatible dianionic ionic liquids that enhance the solubility of oral drugs from BCS class II. <i>Journal of Ionic Liquids</i> , <b>2021</b> , 1, 100003		3
13	New luminescent tetracoordinate boron complexes: an in-depth experimental and theoretical characterisation and their application in OLEDs. <i>Inorganic Chemistry Frontiers</i> , <b>2021</b> , 8, 3960-3983	6.8	3
12	Enhanced photoconversion of 1,2-bis(2-methyl-1-benzothiophene-3-yl)perfluorocyclopentene in ionic liquid solutions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2018</b> , 358, 44-50	4.7	2
11	Probing ionic liquid aqueous solutions using temperature of maximum density isotope effects. <i>Molecules</i> , <b>2013</b> , 18, 3703-11	4.8	2
10	Acoustic Determination of Thermophysical Properties and Critical Parameters for the Mixture (51 wt % R143a + 49 wt % R125) and Critical Line of xCO <sub>2</sub> + (1 - x)(51 wt % R143a + 49 wt % R125). <i>Journal of Chemical &amp; Engineering Data</i> , <b>2006</b> , 51, 2161-2169	2.8	2
9	Surface Coatings and Treatments for Controlled Hydrate Formation: A Mini Review. <i>Physchem</i> , <b>2021</b> , 1, 272-287		2
8	SelinfDB: A Database of Selectivity at Infinite Dilution for Liquid-Liquid Extraction. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 8209-8217	3.9	2



7	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> , <b>2021</b> , 337, 116482	6	2
6	Evidences for a Null Molar Volume Contribution by Hydroxyl Groups in Ammonium Bistriflimide-Based Ionic Liquids. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2019</b> , 64, 4932-4945	2.8	1
5	Catalytic Cyclization of Propargyl Bromoethers via Electrogenerated Nickel(I) Tetramethylcyclam in Ionic Liquids: Water Effects. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, G17-G24	3.9	1
4	Photocurable temperature activated humidity hybrid sensing materials for multifunctional coatings. <i>Polymer</i> , <b>2021</b> , 221, 123635	3.9	1
3	Negative Pressure Regimes in Ionic Liquids: Structure and Interactions in Stretched Liquids as Probed by NMR. <i>ECS Transactions</i> , <b>2018</b> , 86, 141-147	1	1
2	Unveiling the Temperature Influence on the Sorptive Behaviour of ZIF-8 Composite Materials Impregnated with [CnMIM][B(CN)4] Ionic Liquids. <i>Processes</i> , <b>2022</b> , 10, 247	2.9	0
1	Environmentally friendly carrageenan-based ionic-liquid driven soft actuators. <i>Materials Advances</i> , <b>2022</b> , 3, 937-945	3.3	0