

Jos M S S Esperana

List of Publications by Year in Descending Order

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

132
papers

8,672
citations

41
h-index

92
g-index

143
ext. papers

9,306
ext. citations

4.7
avg, IF

5.8
L-index

#	Paper	IF	Citations
132	Unveiling the Temperature Influence on the Sorptive Behaviour of ZIF-8 Composite Materials Impregnated with [C _n MIM][B(CN) ₄] Ionic Liquids. <i>Processes</i> , 2022 , 10, 247	2.9	0
131	Environmentally friendly carrageenan-based ionic-liquid driven soft actuators. <i>Materials Advances</i> , 2022 , 3, 937-945	3.3	0
130	Surface Coatings and Treatments for Controlled Hydrate Formation: A Mini Review. <i>Physchem</i> , 2021 , 1, 272-287		2
129	New Non-Toxic N-alkyl Cholinium-Based Ionic Liquids as Excipients to Improve the Solubility of Poorly Water-Soluble Drugs. <i>Symmetry</i> , 2021 , 13, 2053	2.7	3
128	Insights into CO ₂ hydrates formation and dissociation at isochoric conditions using a rocking cell apparatus. <i>Chemical Engineering Science</i> , 2021 , 249, 117319	4.4	4
127	Photocurable temperature activated humidity hybrid sensing materials for multifunctional coatings. <i>Polymer</i> , 2021 , 221, 123635	3.9	1
126	SelinfDB: A Database of Selectivity at Infinite Dilution for Liquid-Liquid Extraction. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 8209-8217	3.9	2
125	Improvement of New Dianionic Ionic Liquids vs Monoanionic in Solubility of Poorly Water-Soluble Drugs. <i>Journal of Pharmaceutical Sciences</i> , 2021 , 110, 2489-2500	3.9	5
124	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	6	2
123	New non-toxic biocompatible dianionic ionic liquids that enhance the solubility of oral drugs from BCS class II. <i>Journal of Ionic Liquids</i> , 2021 , 1, 100003		3
122	New luminescent tetracoordinate boron complexes: an in-depth experimental and theoretical characterisation and their application in OLEDs. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 3960-3983	6.8	3
121	Paramagnetic Ionic Liquid/Metal Organic Framework Composites for CO/CH and CO/N Separations. <i>Frontiers in Chemistry</i> , 2020 , 8, 590191	5	10
120	QSPR Modeling of Liquid-liquid Equilibria in Two-phase Systems of Water and Ionic Liquid. <i>Molecular Informatics</i> , 2020 , 39, e2000001	3.8	4
119	Chitosan polymer electrolytes doped with a dysprosium ionic liquid. <i>Journal of Polymer Research</i> , 2020 , 27, 1	2.7	6
118	Biopolymer Electrolyte Membranes (BioPEMs) for Sustainable Primary Redox Batteries. <i>Advanced Sustainable Systems</i> , 2020 , 4, 1900110	5.9	3
117	Design of Ionic-Liquid-Based Hybrid Polymer Materials with a Magnetoactive and Electroactive Multifunctional Response. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 42089-42098	9.5	6
116	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	2.8	1

115	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	5	8
114	Anomalous and Not-So-Common Behavior in Common Ionic Liquids and Ionic Liquid-Containing Systems. <i>Frontiers in Chemistry</i> , 2019 , 7, 450	5	17
113	Ionic-Liquid-Based Printable Materials for Thermochromic and Thermoresistive Applications. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 20316-20324	9.5	22
112	Catalytic Cyclization of Propargyl Bromoethers via Electrogenerated Nickel(II) Tetramethylcyclam in Ionic Liquids: Water Effects. <i>Journal of the Electrochemical Society</i> , 2019 , 166, G17-G24	3.9	1
111	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> , 2019 , 171, 58-69	3.9	14
110	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> , 2019 , 137, 227-232	5.7	40
109	Ionic Liquid Cation Size-Dependent Electromechanical Response of Ionic Liquid/Poly(vinylidene fluoride)-Based Soft Actuators. <i>Journal of Physical Chemistry C</i> , 2019 ,	3.8	41
108	Ionic Liquids in Wonderland: From Electrostatics to Coordination Chemistry. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 5804-5811	3.8	3
107	Magnetic ionic liquid/polymer composites: Tailoring physico-chemical properties by ionic liquid content and solvent evaporation temperature. <i>Composites Part B: Engineering</i> , 2019 , 178, 107516	10	15
106	Ionic Liquid-Impregnated Metal-Organic Frameworks for CO ₂ /CH ₄ Separation. <i>ACS Applied Nano Materials</i> , 2019 , 2, 7933-7950	5.6	28
105	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> , 2018 , 358, 44-50	4.7	2
104	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> , 2018 , 148,	3.9	14
103	ILs through the looking glass: electrostatics and structure probed using charge-inverted ionic liquid pairs. <i>Faraday Discussions</i> , 2018 , 206, 203-218	3.6	4
102	Pyridinium salts: from synthesis to reactivity and applications. <i>Organic Chemistry Frontiers</i> , 2018 , 5, 453-492	5.2	142
101	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	3.6	6
100	Low-field giant magneto-ionic response in polymer-based nanocomposites. <i>Nanoscale</i> , 2018 , 10, 15747-15754	15.754	24
99	Designing the ammonium cation to achieve a higher hydrophilicity of bistriflimide-based ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 19307-19313	3.6	13
98	Negative Pressure Regimes in Ionic Liquids: Structure and Interactions in Stretched Liquids as Probed by NMR. <i>ECS Transactions</i> , 2018 , 86, 141-147	1	1

97	Infrared light-induced protein crystallization. Structuring of protein interfacial water and periodic self-assembly. <i>Journal of Crystal Growth</i> , 2017 , 457, 362-368	1.6	5
96	Structural, morphological, ionic conductivity, and thermal properties of pectin-based polymer electrolytes. <i>Molecular Crystals and Liquid Crystals</i> , 2017 , 643, 266-273	0.5	14
95	Effect of storage time on the ionic conductivity of chitosan-solid polymer electrolytes incorporating cyano-based ionic liquids. <i>Electrochimica Acta</i> , 2017 , 232, 22-29	6.7	35
94	A luminescent europium ionic liquid to improve the performance of chitosan polymer electrolytes. <i>Electrochimica Acta</i> , 2017 , 240, 474-485	6.7	7
93	Polymer electrolytes for electrochromic devices through solvent casting and sol-gel routes. <i>Solar Energy Materials and Solar Cells</i> , 2017 , 169, 98-106	6.4	21
92	Playing with ionic liquids to uncover novel polymer electrolytes. <i>Solid State Ionics</i> , 2017 , 300, 46-52	3.3	11
91	Polycyclic aromatic hydrocarbons as model solutes for carbon nanomaterials in ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 27694-27703	3.6	8
90	CHAPTER 4: Surfactant Fluorinated Ionic Liquids. <i>RSC Smart Materials</i> , 2017 , 79-102	0.6	4
89	Electromechanical actuators based on poly(vinylidene fluoride) with [N1 1 1 2(OH)][NTf2] and [C2mim] [C2SO4]. <i>Journal of Materials Science</i> , 2016 , 51, 9490-9503	4.3	34
88	Imidazolium-based ionic liquid type dependence of the bending response of polymer actuators. <i>European Polymer Journal</i> , 2016 , 85, 445-451	5.2	34
87	Protonic Ammonium Nitrate Ionic Liquids and Their Mixtures: Insights into Their Thermophysical Behavior. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 2397-406	3.4	31
86	Fluorination effects on the thermodynamic, thermophysical and surface properties of ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2016 , 97, 354-361	2.9	35
85	Development of poly(vinylidene fluoride)/ionic liquid electrospun fibers for tissue engineering applications. <i>Journal of Materials Science</i> , 2016 , 51, 4442-4450	4.3	40
84	Ionic Liquids for the Electroreductive Radical Cyclization of Unsaturated Bromo Derivatives Catalyzed by Nickel(II) Complexes. <i>Journal of the Electrochemical Society</i> , 2016 , 163, G21-G25	3.9	5
83	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	4.4	6
82	Ionic-Liquid-Functionalized Mineral Particles for Protein Crystallization. <i>Crystal Growth and Design</i> , 2015 , 15, 2994-3003	3.5	8
81	A thermophysical and structural characterization of ionic liquids with alkyl and perfluoroalkyl side chains. <i>RSC Advances</i> , 2015 , 5, 65337-65350	3.7	55
80	Polymer electrolyte based on DNA and N,N,N-trimethyl-N-(2-hydroxyethyl)ammonium bis(trifluoromethylsulfonyl)imide. <i>Journal of Electroanalytical Chemistry</i> , 2015 , 748, 70-75	4.1	11

79	Viscosity minima in binary mixtures of ionic liquids + molecular solvents. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 13480-94	3.6	18
78	Gellan gum based ionic liquid membranes for electrochromic device application. <i>Solid State Ionics</i> , 2015 , 274, 64-70	3.3	18
77	A biocompatible stepping stone for the removal of emerging contaminants. <i>Separation and Purification Technology</i> , 2015 , 153, 91-98	8.3	29
76	Effect of the alkyl chain length of the ionic liquid anion on polymer electrolytes properties. <i>Electrochimica Acta</i> , 2015 , 184, 171-178	6.7	15
75	High performance electromechanical actuators based on ionic liquid/poly(vinylidene fluoride). <i>Polymer Testing</i> , 2015 , 48, 199-205	4.5	45
74	Organocatalyzed One-Step Synthesis of Functionalized N-Alkyl-Pyridinium Salts from Biomass Derived 5-Hydroxymethylfurfural. <i>Organic Letters</i> , 2015 , 17, 5244-7	6.2	26
73	Effect of ionic liquid anion and cation on the physico-chemical properties of poly(vinylidene fluoride)/ionic liquid blends. <i>European Polymer Journal</i> , 2015 , 71, 304-313	5.2	63
72	Effect of Ionic Liquid Anion Type in the Performance of Solid Polymer Electrolytes Based on Poly(Vinylidene fluoride-trifluoroethylene). <i>Electroanalysis</i> , 2015 , 27, 457-464	3	23
71	On the hunt for truly biocompatible ionic liquids for lipase-catalyzed reactions. <i>RSC Advances</i> , 2015 , 5, 3386-3389	3.7	44
70	Understanding the impact of the central atom on the ionic liquid behavior: phosphonium vs ammonium cations. <i>Journal of Chemical Physics</i> , 2014 , 140, 064505	3.9	109
69	Chitosan and Ionic Liquid Based Solid Polymer Electrolytes: The Anion Alkyl Chain Length Effect. <i>ECS Transactions</i> , 2014 , 61, 51-59	1	5
68	Spontaneous emulsification in ionic liquid/water systems and its use for templating of solids. <i>Soft Matter</i> , 2014 , 10, 3798-805	3.6	13
67	Generating Ionic Liquids from Ionic Solids: An Investigation of the Melting Behavior of Binary Mixtures of Ionic Liquids. <i>Crystal Growth and Design</i> , 2014 , 14, 4270-4277	3.5	34
66	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	10	33
65	Ionic liquids for solid-state electrolytes and electrosynthesis. <i>Journal of Electroanalytical Chemistry</i> , 2014 , 714-715, 63-69	4.1	17
64	Using ¹²⁹ Xe NMR to Probe the Structure of Ionic Liquids. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 2758-2762	6.4	24
63	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	10	100
62	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> , 2013 , 253, 143-150	3.3	26

61	Shifts in the temperature of maximum density (TMD) of ionic liquid aqueous solutions. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 10960-70	3.6	15
60	Solubility of non-aromatic hexafluorophosphate-based salts and ionic liquids in water determined by electrical conductivity. <i>Fluid Phase Equilibria</i> , 2013 , 358, 50-55	2.5	20
59	Unusual LCST-type behaviour found in binary mixtures of choline-based ionic liquids with ethers. <i>RSC Advances</i> , 2013 , 3, 10262	3.7	21
58	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	2.9	14
57	Thermophysical and magnetic studies of two paramagnetic liquid salts: [C4mim][FeCl4] and [P6 6 6 14][FeCl4]. <i>Fluid Phase Equilibria</i> , 2013 , 350, 43-50	2.5	30
56	Electrochemical Applications of Electrolytes based on Ionic Liquids. <i>ECS Transactions</i> , 2013 , 45, 235-244	1	5
55	Pesticide removal from aqueous solutions by adding salting out agents. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 20954-65	6.3	13
54	Probing ionic liquid aqueous solutions using temperature of maximum density isotope effects. <i>Molecules</i> , 2013 , 18, 3703-11	4.8	2
53	Ionic liquids in separations of azeotropic systems [A review]. <i>Journal of Chemical Thermodynamics</i> , 2012 , 46, 2-28	2.9	359
52	Inorganic salts in purely ionic liquid media: the development of High Ionicity Ionic Liquids (HILs). <i>Chemical Communications</i> , 2012 , 48, 3656-8	5.8	82
51	Hollow calcite rhombohedra at ionic liquid-stabilized bubbles. <i>CrystEngComm</i> , 2012 , 14, 5723	3.3	3
50	Liquid-liquid equilibrium of cholinium-derived bistriflimide ionic liquids with water and octanol. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 9186-95	3.4	29
49	Solubility of inorganic salts in pure ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2012 , 55, 29-36	2.9	62
48	Characterization of flexible DNA films. <i>Electrochemistry Communications</i> , 2012 , 22, 189-192	5.1	15
47	Novel polymer electrolytes based on gelatin and ionic liquids. <i>Optical Materials</i> , 2012 , 35, 187-195	3.3	43
46	Hofmeister effects of ionic liquids in protein crystallization: Direct and water-mediated interactions. <i>CrystEngComm</i> , 2012 , 14, 4912	3.3	32
45	Density, thermal expansion and viscosity of cholinium-derived ionic liquids. <i>ChemPhysChem</i> , 2012 , 13, 1902-9	3.2	75
44	Synthesis and electrochemical characterization of aPEO-based polymer electrolytes. <i>Journal of Solid State Electrochemistry</i> , 2012 , 16, 1623-1629	2.6	3

43	Phosphonium-based ionic liquids as modifiers for biomedical grade poly(vinyl chloride). <i>Acta Biomaterialia</i> , 2012 , 8, 1366-79	10.8	57
42	Investigation of polymer electrolyte based on agar and ionic liquids. <i>EXPRESS Polymer Letters</i> , 2012 , 6, 1007-1016	3.4	70
41	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> , 2011 , 115, 10919-26	3.4	182
40	Densities and Viscosities of 1-Ethyl-3-methylimidazolium n-Alkyl Sulfates. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 3433-3441	2.8	86
39	Ionic liquid-based aqueous biphasic system for lipase extraction. <i>Green Chemistry</i> , 2011 , 13, 390-396	10	111
38	On the Use of Ionic Liquids To Tune Crystallization. <i>Crystal Growth and Design</i> , 2011 , 11, 684-691	3.5	18
37	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, 8978-85	3.4	14
36	Volatility of Aprotic Ionic Liquids [A Review]. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 3-12	2.8	259
35	Phase equilibria of haloalkanes dissolved in ethylsulfate- or ethylsulfonate-based ionic liquids. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 7329-37	3.4	23
34	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, 8905-9	3.4	28
33	Rationalizing the diverse solid-liquid equilibria of binary mixtures of benzene and its fluorinated derivatives. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 12589-96	3.4	3
32	Alkylsulfate-based ionic liquids to separate azeotropic mixtures. <i>Fluid Phase Equilibria</i> , 2010 , 291, 13-17	2.5	35
31	High-temperature surface tension and density measurements of 1-alkyl-3-methylimidazolium bistriflamide ionic liquids. <i>Fluid Phase Equilibria</i> , 2010 , 294, 131-138	2.5	126
30	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> , 2010 , 294, 157-179	2.5	155
29	Alkylsulfate-based ionic liquids to separate azeotropic mixtures. <i>Fluid Phase Equilibria</i> , 2010 , 294, 49-53	2.5	33
28	Effect of temperature on the physical properties of two ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2009 , 41, 1419-1423	2.9	96
27	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, 3491-8	3.4	24
26	PressureDensityTemperature (pT) Surface of [C6mim][NTf2]. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 867-870	2.8	62

25	The nature of ionic liquids in the gas phase. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 6176-82	2.8	188
24	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, 1114-21	24.3	201
23	Ionic liquids: first direct determination of their cohesive energy. <i>Journal of the American Chemical Society</i> , 2007 , 129, 284-5	16.4	278
22	Fluid-Phase Behavior of {1-Hexyl-3-methylimidazolium Bis(trifluoromethylsulfonyl) Imide, [C6mim][NTf2], + C ₂ -C ₈ n-Alcohol} Mixtures: Liquid-Liquid Equilibrium and Excess Volumes	2.8	96
21	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> , 2006 , 8, 262	10	113
20	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 & Engineering Data</i> , 2006 , 51, 2009-2015	2.8	124
19	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	2.8	168
18	Acoustic Determination of Thermophysical Properties and Critical Parameters for R404A and Critical Line of xCO ₂ + (1 - x)R404A. <i>Journal of Chemical & Engineering Data</i> , 2006 , 51, 1148-1155	2.8	6
17	Acoustic Determination of Thermophysical Properties and Critical Parameters for R410A and Critical Line of xCO ₂ + (1 - x)R410A. <i>Journal of Chemical & Engineering Data</i> , 2006 , 51, 1906-1914	2.8	3
16	Acoustic Determination of Thermophysical Properties and Critical Parameters for the Mixture (51 wt % R143a + 49 wt % R125) and Critical Line of xCO ₂ + (1 - x)(51 wt % R143a + 49 wt % R125). <i>Journal of Chemical & Engineering Data</i> , 2006 , 51, 2161-2169	2.8	2
15	The distillation and volatility of ionic liquids. <i>Nature</i> , 2006 , 439, 831-4	50.4	1732
14	Deviations from ideality in mixtures of two ionic liquids containing a common ion. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 3519-25	3.4	236
13	Evidence for lower critical solution behavior in ionic liquid solutions. <i>Journal of the American Chemical Society</i> , 2005 , 127, 6542-3	16.4	121
12	Phase Behavior and Thermodynamic Properties of Ionic Liquids, Ionic Liquid Mixtures, and Ionic Liquid Solutions. <i>ACS Symposium Series</i> , 2005 , 270-291	0.4	28
11	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	2.8	187
10	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	2.9	270
9	On the critical temperature, normal boiling point, and vapor pressure of ionic liquids. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 6040-3	3.4	439
8	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	2.9	6

7	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	2.9	41
6	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	10	311
5	Supercritical carbon dioxide-induced phase changes in (ionic liquid, water and ethanol mixture) solutions: application to biphasic catalysis. <i>ChemPhysChem</i> , 2003 , 4, 520-2	3.2	44
4	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	3.4	150
3	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	3.6	208
2	Natural convection heat transfer in horizontal eccentric elliptic annuli containing saturated porous media. <i>International Journal of Heat and Mass Transfer</i> , 2000 , 43, 4367-4379	4.9	43
1	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 & Engineering Data</i> , 2000 , 45, 496-501	2.8	16