

Isabel M Marrucho

List of Publications by Year in descending order

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258
papers

20,814
citations

7069

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docs citations

268
times ranked

13221
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#	ARTICLE	IF	CITATIONS
1	Aqueous biphasic systems: a boost brought about by using ionic liquids. <i>Chemical Society Reviews</i> , 2012, 41, 4966.	18.7	726
2	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
3	Hydrolysis of Tetrafluoroborate and Hexafluorophosphate Counter Ions in Imidazolium-Based Ionic Liquids. <i>Journal of Physical Chemistry A</i> , 2010, 114, 3744-3749.	1.1	551
4	Menthol-based Eutectic Mixtures: Hydrophobic Low Viscosity Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 2469-2477.	3.2	420
5	Ionic liquids in separations of azeotropic systems – A review. <i>Journal of Chemical Thermodynamics</i> , 2012, 46, 2-28.	1.0	410
6	Surface tensions of imidazolium based ionic liquids: Anion, cation, temperature and water effect. <i>Journal of Colloid and Interface Science</i> , 2007, 314, 621-630.	5.0	406
7	High-Pressure Densities and Derived Thermodynamic Properties of Imidazolium-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2007, 52, 80-88.	1.0	381
8	Mutual Solubilities of Water and Hydrophobic Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2007, 111, 13082-13089.	1.2	374
9	Ionic liquid-based materials: a platform to design engineered CO ₂ separation membranes. <i>Chemical Society Reviews</i> , 2016, 45, 2785-2824.	18.7	347
10	Ionic Liquids in Pharmaceutical Applications. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2014, 5, 527-546.	3.3	331
11	Mutual Solubilities of Water and the [C _n mim][Tf ₂ N] Hydrophobic Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2008, 112, 1604-1610.	1.2	325
12	Development of hydrophobic deep eutectic solvents for extraction of pesticides from aqueous environments. <i>Fluid Phase Equilibria</i> , 2017, 448, 135-142.	1.4	303
13	An overview of the mutual solubilities of water–imidazolium-based ionic liquids systems. <i>Fluid Phase Equilibria</i> , 2007, 261, 449-454.	1.4	302
14	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
15	Evaluation of Anion Influence on the Formation and Extraction Capacity of Ionic-Liquid-Based Aqueous Biphasic Systems. <i>Journal of Physical Chemistry B</i> , 2009, 113, 9304-9310.	1.2	295
16	Quest for Green Solvent Design: From Hydrophilic to Hydrophobic (Deep) Eutectic Solvents. <i>ChemSusChem</i> , 2019, 12, 1549-1559.	3.6	286
17	ρ Measurements of Imidazolium-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2007, 52, 1881-1888.	1.0	277
18	From Phase Change Materials to Green Solvents: Hydrophobic Low Viscous Fatty Acid-Based Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 3888-3895.	3.2	251

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19	Evaluation of Cation Influence on the Formation and Extraction Capability of Ionic-Liquid-Based Aqueous Biphasic Systems. <i>Journal of Physical Chemistry B</i> , 2009, 113, 5194-5199.	1.2	237
20	Densities and Derived Thermodynamic Properties of Imidazolium-, Pyridinium-, Pyrrolidinium-, and Piperidinium-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2008, 53, 805-811.	1.0	233
21	Evaluation of Cation-Anion Interaction Strength in Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2011, 115, 4033-4041.	1.2	227
22	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
23	High-performance extraction of alkaloids using aqueous two-phase systems with ionic liquids. <i>Green Chemistry</i> , 2010, 12, 1715.	4.6	213
24	Specific Solvation Interactions of CO ₂ on Acetate and Trifluoroacetate Imidazolium Based Ionic Liquids at High Pressures. <i>Journal of Physical Chemistry B</i> , 2009, 113, 6803-6812.	1.2	201
25	Surface Tensions for the 1-Alkyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2008, 53, 1346-1350.	1.0	199
26	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
27	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
28	Extraction of Biomolecules Using Phosphonium-Based Ionic Liquids + K ₃ PO ₄ Aqueous Biphasic Systems. <i>International Journal of Molecular Sciences</i> , 2010, 11, 1777-1791.	1.8	181
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	High pressure phase behavior of carbon dioxide in 1-butyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide and 1-butyl-3-methylimidazolium dicyanamide ionic liquids. <i>Journal of Supercritical Fluids</i> , 2009, 50, 105-111.	1.6	167
31	High carbon dioxide solubilities in trihexyltetradecylphosphonium-based ionic liquids. <i>Journal of Supercritical Fluids</i> , 2010, 52, 258-265.	1.6	164
32	Production and characterization of a bioemulsifier from <i>Yarrowia lipolytica</i> . <i>Process Biochemistry</i> , 2006, 41, 1894-1898.	1.8	156
33	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
34	Deep eutectic solvents: overcoming 21st century challenges. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2019, 18, 31-36.	3.2	155
35	Fluorinated Ionic Liquids: Properties and Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2013, 1, 427-439.	3.2	147
36	Protein-based materials: from sources to innovative sustainable materials for biomedical applications. <i>Journal of Materials Chemistry B</i> , 2014, 2, 3715.	2.9	146

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37	Evaluation of COSMO-RS for the prediction of LLE and VLE of water and ionic liquids binary systems. <i>Fluid Phase Equilibria</i> , 2008, 268, 74-84.	1.4	144
38	Deep eutectic solvents as extraction media for azeotropic mixtures. <i>Green Chemistry</i> , 2013, 15, 1326.	4.6	141
39	High pressure phase behavior of carbon dioxide in 1-alkyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide ionic liquids. <i>Journal of Supercritical Fluids</i> , 2009, 48, 99-107.	1.6	139
40	Aqueous biphasic systems: a benign route using cholinium-based ionic liquids. <i>RSC Advances</i> , 2013, 3, 1835-1843.	1.7	138
41	Surface Tension of Heptane, Decane, Hexadecane, Eicosane, and Some of Their Binary Mixtures. <i>Journal of Chemical & Engineering Data</i> , 2002, 47, 1442-1445.	1.0	137
42	(Extraction of biomolecules using) aqueous biphasic systems formed by ionic liquids and aminoacids. <i>Separation and Purification Technology</i> , 2010, 72, 85-91.	3.9	137
43	Measurements and Correlation of High-Pressure Densities of Imidazolium-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2008, 53, 1914-1921.	1.0	130
44	Evaluation of COSMO-RS for the prediction of LLE and VLE of alcohols+ionic liquids. <i>Fluid Phase Equilibria</i> , 2007, 255, 167-178.	1.4	127
45	Pullulan-based nanocomposite films for functional food packaging: Exploiting lysozyme nanofibers as antibacterial and antioxidant reinforcing additives. <i>Food Hydrocolloids</i> , 2018, 77, 921-930.	5.6	124
46	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
47	A closer look into deep eutectic solvents: exploring intermolecular interactions using solvatochromic probes. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 206-213.	1.3	121
48	Ionic liquid-based aqueous biphasic system for lipase extraction. <i>Green Chemistry</i> , 2011, 13, 390-396.	4.6	120
49	Tryptophan extraction using hydrophobic ionic liquids. <i>Separation and Purification Technology</i> , 2010, 72, 167-173.	3.9	119
50	Structural and Positional Isomerism Influence in the Physical Properties of Pyridinium NTF ₂ -Based Ionic Liquids: Pure and Water-Saturated Mixtures. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 4514-4520.	1.0	118
51	Prediction of aqueous solubilities of solid carboxylic acids with COSMO-RS. <i>Fluid Phase Equilibria</i> , 2010, 289, 140-147.	1.4	117
52	Densities and Viscosities of Mixtures of Two Ionic Liquids Containing a Common Cation. <i>Journal of Chemical & Engineering Data</i> , 2016, 61, 2828-2843.	1.0	117
53	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
54	Solubility of Water in Tetradecyltrihexylphosphonium-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2008, 53, 2378-2382.	1.0	114

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55	Vapor-Liquid Equilibrium of Carbon Dioxide-Perfluoroalkane Mixtures: Experimental Data and SAFT Modeling. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 2341-2350.	1.8	107
56	Development of novel ionic liquids based on ampicillin. <i>MedChemComm</i> , 2012, 3, 494.	3.5	105
57	Deep Eutectic Solvents as Azeotrope Breakers: Liquid-Liquid Extraction and COSMO-RS Prediction. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 5640-5650.	3.2	105
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	Solubility of Antibiotics in Different Solvents. 1. Hydrochloride Forms of Tetracycline, Moxifloxacin, and Ciprofloxacin. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 6368-6374.	1.8	96
62	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
63	Cholinium-based ionic liquids with pharmaceutically active anions. <i>RSC Advances</i> , 2014, 4, 28126-28132.	1.7	93
64	Towards a sulfur clean fuel: Deep extraction of thiophene and dibenzothiophene using polyethylene glycol-based deep eutectic solvents. <i>Fuel</i> , 2018, 234, 414-421.	3.4	93
65	Polymeric ionic liquid-based membranes: Influence of polycation variation on gas transport and CO ₂ selectivity properties. <i>Journal of Membrane Science</i> , 2015, 486, 40-48.	4.1	92
66	Novel pyrrolidinium-based polymeric ionic liquids with cyano counter-anions: High performance membrane materials for post-combustion CO ₂ separation. <i>Journal of Membrane Science</i> , 2015, 483, 155-165.	4.1	92
67	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
68	Prediction of Cloud Points of Biodiesel. <i>Energy & Fuels</i> , 2008, 22, 747-752.	2.5	90
69	Solubility of Antibiotics in Different Solvents. Part II. Non-Hydrochloride Forms of Tetracycline and Ciprofloxacin. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 8083-8089.	1.8	89
70	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
71	Preparation and characterization of bacterial cellulose membranes with tailored surface and barrier properties. <i>Cellulose</i> , 2010, 17, 1203-1211.	2.4	87
72	Surface tension of chain molecules through a combination of the gradient theory with the CPA EoS. <i>Fluid Phase Equilibria</i> , 2008, 267, 83-91.	1.4	84

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73	Viscosity and Liquid Density of Asymmetric Hydrocarbon Mixtures. <i>International Journal of Thermophysics</i> , 2003, 24, 1221-1239.	1.0	83
74	Density, Thermal Expansion and Viscosity of Cholinium-derived Ionic Liquids. <i>ChemPhysChem</i> , 2012, 13, 1902-1909.	1.0	83
75	Carbohydrates-based deep eutectic solvents: Thermophysical properties and rice straw dissolution. <i>Journal of Molecular Liquids</i> , 2017, 247, 441-447.	2.3	83
76	Solubility of oxygen in liquid perfluorocarbons. <i>Fluid Phase Equilibria</i> , 2004, 222-223, 325-330.	1.4	81
77	Turning into poly(ionic liquid)s as a tool for polyimide modification: synthesis, characterization and CO ₂ separation properties. <i>Polymer Chemistry</i> , 2016, 7, 580-591.	1.9	81
78	Towards an Understanding of the Mutual Solubilities of Water and Hydrophobic Ionic Liquids in the Presence of Salts: The Anion Effect. <i>Journal of Physical Chemistry B</i> , 2009, 113, 2815-2825.	1.2	80
79	Viscosity and Liquid Density of Asymmetric n-Alkane Mixtures: Measurement and Modeling. <i>International Journal of Thermophysics</i> , 2005, 26, 47-61.	1.0	79
80	Prediction of Water Solubility in Biodiesel with the CPA Equation of State. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 4278-4285.	1.8	79
81	High pressure solubility data of carbon dioxide in (tri-iso-butyl(methyl)phosphonium tosylate+water) systems. <i>Journal of Chemical Thermodynamics</i> , 2008, 40, 1187-1192.	1.0	78
82	Solubility of non-aromatic ionic liquids in water and correlation using a QSPR approach. <i>Fluid Phase Equilibria</i> , 2010, 294, 234-240.	1.4	78
83	Investigation of polymer electrolyte based on agar and ionic liquids. <i>EXPRESS Polymer Letters</i> , 2012, 6, 1007-1016.	1.1	77
84	Solubility of oxygen in n-hexane and in n-perfluorohexane. Experimental determination and prediction by molecular simulation. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 543-549.	1.3	76
85	SAFT Modeling of the Solubility of Gases in Perfluoroalkanes. <i>Journal of Physical Chemistry B</i> , 2004, 108, 1450-1457.	1.2	75
86	Thermophysical Properties and Water Saturation of [PF ₆]-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 5065-5073.	1.0	75
87	Cholinium-Based Poly(ionic liquid)s: Synthesis, Characterization, and Application as Biocompatible Ion Gels and Cellulose Coatings. <i>ACS Macro Letters</i> , 2013, 2, 975-979.	2.3	75
88	Mutual Solubility of Water and Structural/Positional Isomers of N-Alkylpyridinium-Based Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2010, 114, 15925-15934.	1.2	74
89	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
90	Applications of supercritical CO ₂ extraction to microalgae and plants. <i>Journal of Chemical Technology and Biotechnology</i> , 1995, 62, 53-59.	1.6	72

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91	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
92	Cholinium-based Supported Ionic Liquid Membranes: A Sustainable Route for Carbon Dioxide Separation. <i>ChemSusChem</i> , 2014, 7, 110-113.	3.6	71
93	Biosurfactants from Yeasts: Characteristics, Production and Application. <i>Advances in Experimental Medicine and Biology</i> , 2010, 672, 236-249.	0.8	70
94	Solubility of inorganic salts in pure ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2012, 55, 29-36.	1.0	70
95	Playing with ionic liquid mixtures to design engineered CO ₂ separation membranes. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 17172.	1.3	70
96	Aging mechanisms of perfluorocarbon emulsions using image analysis. <i>Journal of Colloid and Interface Science</i> , 2005, 286, 224-232.	5.0	69
97	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
98	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
99	Hydrophobic Deep Eutectic Solvents: A Circular Approach to Purify Water Contaminated with Ciprofloxacin. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 14739-14746.	3.2	69
100	On the Interactions between Amino Acids and Ionic Liquids in Aqueous Media. <i>Journal of Physical Chemistry B</i> , 2009, 113, 13971-13979.	1.2	68
101	Antitumor Activity of Ionic Liquids Based on Ampicillin. <i>ChemMedChem</i> , 2015, 10, 1480-1483.	1.6	68
102	Concurrent Desulfurization and Denitrogenation of Fuels Using Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11341-11349.	3.2	68
103	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
104	Optimization of oxygen mass transfer in a multiphase bioreactor with perfluorodecalin as a second liquid phase. <i>Biotechnology and Bioengineering</i> , 2008, 99, 588-598.	1.7	65
105	Densities and Vapor Pressures of Highly Fluorinated Compounds. <i>Journal of Chemical & Engineering Data</i> , 2005, 50, 1328-1333.	1.0	64
106	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
107	Phosphonium-based ionic liquids as modifiers for biomedical grade poly(vinyl chloride). <i>Acta Biomaterialia</i> , 2012, 8, 1366-1379.	4.1	62
108	Density, Viscosity, and Refractive Index of Ionic Liquid Mixtures Containing Cyano and Amino Acid-Based Anions. <i>Journal of Chemical & Engineering Data</i> , 2016, 61, 83-93.	1.0	62

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109	Surface Tension of Liquid Fluorocompounds. <i>Journal of Chemical & Engineering Data</i> , 2006, 51, 1820-1824.	1.0	61
110	New Low-Toxicity Cholinium-Based Ionic Liquids with Perfluoroalkanoate Anions for Aqueous Biphasic System Implementation. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 2670-2679.	3.2	61
111	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
112	Modeling vapor-liquid interfaces with the gradient theory in combination with the CPA equation of state. <i>Fluid Phase Equilibria</i> , 2005, 228-229, 479-485.	1.4	59
113	The role of nanocellulose fibers, starch and chitosan on multipolysaccharide based films. <i>Cellulose</i> , 2013, 20, 1807-1818.	2.4	57
114	Gas sorption in poly(lactic acid) and packaging materials. <i>Fluid Phase Equilibria</i> , 2004, 222-223, 317-324.	1.4	56
115	Gas solubility of carbon dioxide in poly(lactic acid) at high pressures. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 1010-1019.	2.4	55
116	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
117	Phase Equilibria of Ethylene Glycol Oligomers and Their Mixtures. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 7027-7037.	1.8	54
118	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
119	Gas Permeation Properties of Fluorinated Ionic Liquids. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 4994-5001.	1.8	54
120	Aggregation Behavior and Total Miscibility of Fluorinated Ionic Liquids in Water. <i>Langmuir</i> , 2015, 31, 1283-1295.	1.6	54
121	Poly(ionic liquid)-based engineered mixed matrix membranes for CO ₂ /H ₂ separation. <i>Separation and Purification Technology</i> , 2019, 222, 168-176.	3.9	53
122	Measurement and modeling of surface tensions of asymmetric systems: heptane, eicosane, docosane, tetracosane and their mixtures. <i>Fluid Phase Equilibria</i> , 2003, 214, 211-221.	1.4	52
123	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
124	Novel polymer electrolytes based on gelatin and ionic liquids. <i>Optical Materials</i> , 2012, 35, 187-195.	1.7	51
125	Effect of polymer molecular weight on the physical properties and CO ₂ /N ₂ separation of pyrrolidinium-based poly(ionic liquid) membranes. <i>Journal of Membrane Science</i> , 2018, 549, 267-274.	4.1	51
126	Thermodynamic characterization of pure perfluoroalkanes, including interfacial and second order derivative properties, using the crossover soft-SAFT EoS. <i>Fluid Phase Equilibria</i> , 2009, 286, 134-143.	1.4	50

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127	Removal of Nonsteroidal Anti-Inflammatory Drugs from Aqueous Environments with Reusable Ionic-Liquid-Based Systems. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 2428-2436.	3.2	50
128	Ionic liquids with anions based on fluorosulfonyl derivatives: from asymmetrical substitutions to a consistent force field model. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 29617-29624.	1.3	49
129	Mixing poly(ionic liquid)s and ionic liquids with different cyano anions: Membrane forming ability and CO ₂ /N ₂ separation properties. <i>Journal of Membrane Science</i> , 2018, 552, 341-348.	4.1	49
130	Thermodynamic properties of perfluoro-n-octane. <i>Fluid Phase Equilibria</i> , 2004, 225, 39-47.	1.4	48
131	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
132	Liquid-liquid equilibrium of (perfluoroalkane+alkane) binary mixtures. <i>Fluid Phase Equilibria</i> , 2006, 242, 210-219.	1.4	47
133	Description of the mutual solubilities of fatty acids and water with the CPA EoS. <i>AIChE Journal</i> , 2009, 55, 1604-1613.	1.8	46
134	Aqueous biphasic systems involving alkylsulfate-based ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2011, 43, 1565-1572.	1.0	46
135	Density and Viscosity Data for Binary Mixtures of 1-Alkyl-3-methylimidazolium Alkylsulfates + Water. <i>Journal of Chemical & Engineering Data</i> , 2012, 57, 3473-3482.	1.0	46
136	Extraction of saponins from sisal (<i>Agave sisalana</i>) and juã (Ziziphus joazeiro) with cholinium-based ionic liquids and deep eutectic solvents. <i>European Food Research and Technology</i> , 2013, 237, 965-975.	1.6	46
137	Surface tension of pure heavy n-alkanes: a corresponding states approach. <i>Fluid Phase Equilibria</i> , 2001, 183-184, 229-238.	1.4	45
138	Bioactive transparent films based on polysaccharides and cholinium carboxylate ionic liquids. <i>Green Chemistry</i> , 2015, 17, 4291-4299.	4.6	43
139	Prediction of viscosities and surface tensions of fuels using a new corresponding states model. <i>Fuel</i> , 2006, 85, 874-877.	3.4	42
140	Gas solubility of carbon dioxide in poly(lactic acid) at high pressures: Thermal treatment effect. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007, 45, 616-625.	2.4	42
141	Molecular Dynamics Insights and Water Stability of Hydrophobic Deep Eutectic Solvents Aided Extraction of Nitenpyram from an Aqueous Environment. <i>Journal of Physical Chemistry B</i> , 2020, 124, 7405-7420.	1.2	42
142	Surface Tension of Decane Binary and Ternary Mixtures with Eicosane, Docosane, and Tetracosane. <i>Journal of Chemical & Engineering Data</i> , 2005, 50, 1043-1046.	1.0	41
143	Preparation and evaluation of the barrier properties of cellophane membranes modified with fatty acids. <i>Carbohydrate Polymers</i> , 2011, 83, 836-842.	5.1	40
144	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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145	Supported ionic liquids as efficient materials to remove non-steroidal anti-inflammatory drugs from aqueous media. <i>Chemical Engineering Journal</i> , 2020, 381, 122616.	6.6	40
146	Phase Equilibria Calculations of Polyethylene Solutions from SAFT-Type Equations of State. <i>Macromolecules</i> , 2006, 39, 4240-4246.	2.2	38
147	Carbon dioxide, ethylene and water vapor sorption in poly(lactic acid). <i>Fluid Phase Equilibria</i> , 2006, 250, 116-124.	1.4	38
148	Solubility of water in fluorocarbons: Experimental and COSMO-RS prediction results. <i>Journal of Chemical Thermodynamics</i> , 2010, 42, 213-219.	1.0	38
149	Poly(ionic liquids) in solid phase microextraction: Recent advances and perspectives. <i>Progress in Polymer Science</i> , 2019, 98, 101148.	11.8	38
150	CO ₂ /H ₂ separation through poly(ionic liquid)-ionic liquid membranes: The effect of multicomponent gas mixtures, temperature and gas feed pressure. <i>Separation and Purification Technology</i> , 2021, 259, 118113.	3.9	38
151	Generalized relation between surface tension and viscosity: a study on pure and mixed n-alkanes. <i>Fluid Phase Equilibria</i> , 2004, 222-223, 161-168.	1.4	36
152	Supramolecular hydrogel based on a sodium deep eutectic solvent. <i>Chemical Communications</i> , 2018, 54, 7527-7530.	2.2	36
153	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
154	Water Solubility in Linear Fluoroalkanes Used in Blood Substitute Formulations. <i>Journal of Physical Chemistry B</i> , 2006, 110, 22923-22929.	1.2	34
155	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
156	Synthesis, Characterization, and Liposome Partition of a Novel Tetracycline Derivative Using the Ionic Liquids Framework. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 1504-1512.	1.6	34
157	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
158	Production of lysozyme nanofibers using deep eutectic solvent aqueous solutions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 147, 36-44.	2.5	34
159	Imidazolium-Based Copoly(Ionic Liquid) Membranes for CO ₂ /N ₂ Separation. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 2017-2026.	1.8	34
160	Improving lipase production using a perfluorocarbon as oxygen carrier. <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 1368-1374.	1.6	33
161	Gas-phase dissociation of ionic liquid aggregates studied by electrospray ionisation mass spectrometry and energy-variable collision induced dissociation. <i>Journal of Mass Spectrometry</i> , 2009, 44, 144-150.	0.7	33
162	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

#	ARTICLE	IF	CITATIONS
163	Effect of natural and synthetic antioxidants incorporation on the gas permeation properties of poly(lactic acid) films. <i>Journal of Food Engineering</i> , 2013, 116, 562-571.	2.7	33
164	On the use of ionic liquids as adjuvants in PEG-(NH ₄) ₂ SO ₄ aqueous biphasic systems: Phase diagrams behavior and the effect of IL concentration on myoglobin partition. <i>Separation and Purification Technology</i> , 2019, 210, 710-718.	3.9	33
165	Antimicrobial Activities of Highly Bioavailable Organic Salts and Ionic Liquids from Fluoroquinolones. <i>Pharmaceutics</i> , 2020, 12, 694.	2.0	33
166	Viscosities of Liquid Fluorocompounds. <i>Journal of Chemical & Engineering Data</i> , 2008, 53, 538-542.	1.0	31
167	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
168	Surface Tension of dl-Menthol:Octanoic Acid Eutectic Mixtures. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 4915-4923.	1.0	31
169	Deep desulfurization of fuels: Are deep eutectic solvents the alternative for ionic liquids?. <i>Fuel</i> , 2021, 293, 120297.	3.4	31
170	Prediction of environmental parameters of polycyclic aromatic hydrocarbons with COSMO-RS. <i>Chemosphere</i> , 2010, 79, 821-829.	4.2	30
171	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
172	Novel Acidic Deep Eutectic Solvent-Based Aqueous Biphasic Systems for Efficient Extraction of Pepsin. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 12400-12408.	3.2	30
173	Dual nanofibrillar-based bio-sorbent films composed of nanocellulose and lysozyme nanofibrils for mercury removal from spring waters. <i>Carbohydrate Polymers</i> , 2020, 238, 116210.	5.1	30
174	A new Corresponding States model for the estimation of thermophysical properties of long chain n-alkanes. <i>Fluid Phase Equilibria</i> , 2003, 212, 303-314.	1.4	29
175	Solubility of Hexafluorobenzene in Aqueous Salt Solutions from (280 to 340) K. <i>Journal of Chemical & Engineering Data</i> , 2005, 50, 237-242.	1.0	29
176	Towards the potential of cyano and amino acid-based ionic liquid mixtures for facilitated CO ₂ transport membranes. <i>Journal of Membrane Science</i> , 2016, 510, 174-181.	4.1	28
177	Improved monitoring of aqueous samples by the preconcentration of active pharmaceutical ingredients using ionic-liquid-based systems. <i>Green Chemistry</i> , 2017, 19, 4651-4659.	4.6	28
178	Low temperature behaviour of refined products from DSC measurements and their thermodynamical modelling. <i>Thermochimica Acta</i> , 2001, 372, 93-101.	1.2	27
179	Aging mechanisms of oil-in-water emulsions based on a bioemulsifier produced by <i>Yarrowia lipolytica</i> . <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 324, 149-154.	2.3	27
180	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

#	ARTICLE	IF	CITATIONS
181	Improved extraction of fluoroquinolones with recyclable ionic-liquid-based aqueous biphasic systems. <i>Green Chemistry</i> , 2016, 18, 2717-2725.	4.6	25
182	Membranes with a low loading of Metal-Organic Framework-Supported Ionic Liquids for CO ₂ /N ₂ separation in CO ₂ capture. <i>Energy Technology</i> , 2017, 5, 2158-2162.	1.8	25
183	Exploring the effect of fluorinated anions on the CO ₂ /N ₂ separation of supported ionic liquid membranes. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 28876-28884.	1.3	25
184	Solubility of oxygen in substituted perfluorocarbons. <i>Fluid Phase Equilibria</i> , 2005, 238, 7-12.	1.4	24
185	Modeling the Liquid-Liquid Equilibria of Water + Fluorocarbons with the Cubic-Plus-Association Equation of State. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 1415-1420.	1.8	23
186	Solubility of Adamantane in Phosphonium-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 662-665.	1.0	23
187	Phase equilibria and surfactant behavior of fluorinated ionic liquids with water. <i>Journal of Chemical Thermodynamics</i> , 2015, 82, 99-107.	1.0	23
188	Study on Gas Permeation and CO ₂ Separation through Ionic Liquid-Based Membranes with Siloxane-Functionalized Cations. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 2229-2239.	1.8	23
189	Vapor-Phase Thermal Conductivity, Vapor Pressure, and Liquid Density of R365mfc. <i>Journal of Chemical & Engineering Data</i> , 2002, 47, 554-558.	1.0	22
190	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
191	Towards Biohydrogen Separation Using Poly(Ionic Liquid)/Ionic Liquid Composite Membranes. <i>Membranes</i> , 2018, 8, 124.	1.4	22
192	Purification of virus-like particles using aqueous biphasic systems composed of natural deep eutectic solvents. <i>Separation and Purification Technology</i> , 2020, 252, 117480.	3.9	22
193	Corresponding-States Modeling of the Speed of Sound of Long-Chain Hydrocarbons. <i>International Journal of Thermophysics</i> , 2006, 27, 1095-1109.	1.0	21
194	Thermal conductivity of polyurethane foam cell gases: Improved transient hot wire cell data of isopentane + n-pentane mixtures Extended Wassiljewa-model. <i>Fluid Phase Equilibria</i> , 2007, 261, 41-49.	1.4	21
195	Poly(ionic liquid)-Ionic Liquid Membranes with Fluorosulfonyl-Derived Anions: Characterization and Biohydrogen Separation. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 7087-7096.	3.2	21
196	High ionicity ionic liquids (HILs): comparing the effect of ethylsulfonate and ethylsulfate anions. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 18138.	1.3	20
197	Modeling the Phase Equilibria of Poly(ethylene glycol) Binary Mixtures with soft-SAFT EoS. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 4678-4685.	1.8	19
198	Addition of Î±-tocopherol on poly(lactic acid): Thermal, mechanical, and sorption properties. <i>Journal of Applied Polymer Science</i> , 2011, 119, 2468-2475.	1.3	19

#	ARTICLE	IF	CITATIONS
199	(Liquid+liquid) equilibria of perfluorocarbons with fluorinated ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2013, 64, 71-79.	1.0	19
200	Enzyme-assisted extraction of carotenoids and phenolic compounds from sunflower wastes using green solvents. <i>3 Biotech</i> , 2020, 10, 405.	1.1	19
201	Enzymatic method for determining oxygen solubility in perfluorocarbon emulsions. <i>Fluid Phase Equilibria</i> , 2005, 231, 109-113.	1.4	18
202	High-Pressure Solubility Data of Methane in Aniline and Aqueous Aniline Systems. <i>Journal of Chemical & Engineering Data</i> , 2007, 52, 1100-1102.	1.0	18
203	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
204	Aqueous solubility, effects of salts on aqueous solubility, and partitioning behavior of hexafluorobenzene: Experimental results and COSMO-RS predictions. <i>Chemosphere</i> , 2011, 84, 415-422.	4.2	17
205	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
206	A corresponding states approach for the prediction of surface tension of molten alkali halides. <i>Fluid Phase Equilibria</i> , 2001, 183-184, 239-245.	1.4	16
207	Paraffin crystallization in synthetic mixtures: Predictive local composition models revisited. <i>Fluid Phase Equilibria</i> , 2005, 233, 28-33.	1.4	16
208	Ionic liquids as promoters of fast lysozyme fibrillation. <i>Journal of Molecular Liquids</i> , 2018, 272, 456-467.	2.3	16
209	Tuning lysozyme nanofibers dimensions using deep eutectic solvents for improved reinforcement ability. <i>International Journal of Biological Macromolecules</i> , 2018, 115, 518-527.	3.6	15
210	Poly(ionic liquid) embedded particles as efficient solid phase microextraction phases of polar and aromatic analytes. <i>Talanta</i> , 2019, 198, 193-199.	2.9	15
211	Correlation of solvent activities in polymer solutions: a comparison of models. <i>Fluid Phase Equilibria</i> , 2004, 219, 129-138.	1.4	14
212	Aging of Rigid Polyurethane Foams: Thermal Conductivity of N ₂ and Cyclopentane Gas Mixtures. <i>Journal of Cellular Plastics</i> , 2005, 41, 207-224.	1.2	13
213	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
214	Expanding the Applicability of Poly(Ionic Liquids) in Solid Phase Microextraction: Pyrrolidinium Coatings. <i>Materials</i> , 2017, 10, 1094.	1.3	13
215	Thermodynamic Study of Aggregation of Cholinium Perfluoroalkanoate Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2016, 61, 3979-3988.	1.0	12
216	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

#	ARTICLE	IF	CITATIONS
217	Neat ionic liquids versus ionic liquid mixtures: a combination of experimental data and molecular simulation. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 23305-23309.	1.3	12
218	Vapor Pressure Assessment of Sulfolane-Based Eutectic Solvents: Experimental, PC-SAFT, and Molecular Dynamics. <i>Journal of Physical Chemistry B</i> , 2020, 124, 10386-10397.	1.2	12
219	Cholinium Lactate Methacrylate: Ionic Liquid Monomer for Cellulose Composites and Biocompatible Ion Gels. <i>Macromolecular Symposia</i> , 2014, 342, 21-24.	0.4	11
220	Highly water soluble room temperature superionic liquids of APIs. <i>New Journal of Chemistry</i> , 2017, 41, 6986-6990.	1.4	11
221	Ionic liquid-based semi-interpenetrating polymer network (slPN) membranes for CO ₂ separation. <i>Separation and Purification Technology</i> , 2021, 274, 118437.	3.9	11
222	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
223	Poly(ionic liquid)s as phase splitting promoters in aqueous biphasic systems. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 27462-27472.	1.3	10
224	M13 bacteriophage purification using poly(ionic liquids) as alternative separation matrices. <i>Journal of Chromatography A</i> , 2018, 1532, 246-250.	1.8	10
225	Modeling the Thermal Conductivity of Pure and Mixed Heavy n-Alkanes Suitable for the Design of Phase Change Materials. <i>International Journal of Thermophysics</i> , 2005, 26, 1461-1475.	1.0	9
226	Designing high ionicity ionic liquids based on 1-ethyl-3-methylimidazolium ethyl sulphate for effective azeotrope breaking. <i>Fluid Phase Equilibria</i> , 2016, 419, 57-66.	1.4	9
227	Improving the Separation of n-Heptane + Ethanol Azeotropic Mixtures Combining Ionic Liquid 1-Ethyl-3-methylimidazolium Acetate with Different Inorganic Salts. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 5965-5972.	1.8	9
228	High-throughput screening of aqueous biphasic systems with ionic liquids as additives for extraction and purification of enveloped virus-like particles. <i>Engineering Reports</i> , 2019, 1, e12030.	0.9	9
229	Thin Porous Poly(ionic liquid) Coatings for Enhanced Headspace Solid Phase Microextraction. <i>Polymers</i> , 2020, 12, 1909.	2.0	9
230	Beneficial and detrimental effects of choline chloride-oxalic acid deep eutectic solvent on biogas production. <i>Waste Management</i> , 2021, 131, 368-375.	3.7	9
231	A quartz crystal microbalance technique to study wax crystallization in the presence of gas. <i>Measurement Science and Technology</i> , 2008, 19, 065704.	1.4	8
232	Extended corresponding states for pure polar and non-polar fluids: an improved method for component shape factor prediction. <i>Fluid Phase Equilibria</i> , 1998, 150-151, 215-223.	1.4	7
233	How does Î ² -cyclodextrin affect the aggregation of sodium perfluoroheptanoate in aqueous solution: a 19F NMR study. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2007, 57, 157-162.	1.6	7
234	Liquid-liquid equilibrium of substituted perfluoro-n-octane+n-octane systems. <i>Fluid Phase Equilibria</i> , 2008, 268, 85-89.	1.4	7

#	ARTICLE	IF	CITATIONS
235	Protonation Equilibria and Lipophilicity of Sarafloxacin. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 3160-3163.	1.0	7
236	Aqueous Biphasic Systems of Pyrrolidinium Ionic Liquids with Organic Acid-Derived Anions and K_3PO_4 . <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 1182-1188.	1.0	7
237	Influence of Betaine- and Choline-based Eutectic Solvents on Lipase Activity. <i>Current Biochemical Engineering</i> , 2019, 5, 57-68.	1.3	7
238	How does β -cyclodextrin affect oxygen solubility in aqueous solutions of sodium perfluoroheptanoate?. <i>Journal of Colloid and Interface Science</i> , 2006, 303, 552-556.	5.0	6
239	Layer-by-layer coated imidazolium " Styrene copolymers fibers for improved headspace-solid phase microextraction analysis of aromatic compounds. <i>Reactive and Functional Polymers</i> , 2018, 125, 93-100.	2.0	6
240	Tuning the miscibility of water in imide-based ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 25236-25242.	1.3	6
241	Sodium Hexanoate and Dodecanoate Salt-Based Eutectic Solvents: Density, Viscosity, and Kamlet-Taft Parameters. <i>Journal of Chemical & Engineering Data</i> , 2021, 66, 2793-2802.	1.0	6
242	Title is missing!. <i>International Journal of Thermophysics</i> , 2002, 23, 771-785.	1.0	5
243	Aqueous Biphasic Systems Based on Ionic Liquids for Extraction, Concentration and Purification Approaches. <i>Green Chemistry and Sustainable Technology</i> , 2016, , 91-119.	0.4	5
244	A corresponding-states approach for the calculation of the transport properties of uni-univalent molten salts. <i>High Temperatures - High Pressures</i> , 2001, 33, 397-404.	0.3	5
245	Fluoroquinolone-Based Organic Salts and Ionic Liquids as Highly Bioavailable Broad-Spectrum Antimicrobials. <i>Proceedings (mdpi)</i> , 2020, 78, .	0.2	5
246	Natural eutectic solvents for sustainable recycling of poly(ethyleneterephthalate): closing the circle. <i>Green Chemistry</i> , 2021, 23, 9460-9464.	4.6	5
247	Vapor-Phase Thermal Conductivity of Binary Mixtures of Cyclopentane and R134a with R365mfc. <i>Journal of Cellular Plastics</i> , 2003, 39, 133-153.	1.2	4
248	Ionic Liquid with Silyl Substituted Cation: Thermophysical and CO ₂ /N ₂ Permeation Properties. <i>Israel Journal of Chemistry</i> , 2019, 59, 852-865.	1.0	4
249	Processing of poly(ionic liquid)"ionic liquid membranes using femtosecond (fs) laser radiation: Effect on CO ₂ separation performance. <i>Journal of Membrane Science</i> , 2022, 642, 119903.	4.1	4
250	Tuning CO ₂ Separation Performance of Ionic Liquids through Asymmetric Anions. <i>Molecules</i> , 2022, 27, 413.	1.7	3
251	Light olefins/paraffins sorption in poly(lactic acid) films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2008, 46, 1312-1319.	2.4	2
252	Biotechnology and Green Chemistry. <i>BioMed Research International</i> , 2014, 2014, 1-2.	0.9	2

#	ARTICLE	IF	CITATIONS
253	Screening polymeric ionic liquids for chromatography-based purification of bacteriophage M13. Separation and Purification Technology, 2021, 257, 117906.	3.9	2
254	CHAPTER 6. Biocatalysis in Ionic Liquids. RSC Green Chemistry, 2015, , 136-177.	0.0	1
255	Poly(ionic liquid)s: Designing CO2 Separation Membranes. , 2015, , 267-295.		1
256	CORRELATION OF SOLVENT ACTIVITIES IN POLYMER SOLUTIONS. , 2004, , .		0
257	New CO2 Separation Membranes based on Pyrrolidinium Ionic Materials. Procedia Engineering, 2012, 44, 1583-1584.	1.2	0
258	Mesoporous Silica Nanoparticles with Manganese and Lanthanides Salts: Synthesis, Characterization and Cytotoxicity studies. Dalton Transactions, 2021, 50, 8588-8599.	1.6	0