

Margarida F Costa Gomes

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1742975/margarida-f-costa-gomes-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

135
papers

6,956
citations

46
h-index

79
g-index

142
ext. papers

7,678
ext. citations

5.7
avg, IF

6.03
L-index

#	Paper	IF	Citations
135	Nonpolar, polar, and associating solutes in ionic liquids. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 16816-8	3.4	416
134	Molecular solutes in ionic liquids: a structural perspective. <i>Accounts of Chemical Research</i> , 2007 , 40, 1087-96	2.6	415
133	Solubility of carbon dioxide, ethane, methane, oxygen, nitrogen, hydrogen, argon, and carbon monoxide in 1-butyl-3-methylimidazolium tetrafluoroborate between temperatures 283K and 343K and at pressures close to atmospheric. <i>Journal of Chemical Thermodynamics</i> , 2006 , 38, 490-502	2.9	335
132	Liquids with permanent porosity. <i>Nature</i> , 2015 , 527, 216-20	50.4	283
131	Low-pressure solubilities and thermodynamics of solvation of eight gases in 1-butyl-3-methylimidazolium hexafluorophosphate. <i>Fluid Phase Equilibria</i> , 2006 , 240, 87-95	2.5	245
130	Prediction of Ionic Liquid Properties. I. Volumetric Properties as a Function of Temperature at 0.1 MPa. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 716-726	2.8	218
129	Understanding the role of co-solvents in the dissolution of cellulose in ionic liquids. <i>Green Chemistry</i> , 2014 , 16, 2528	10	181
128	Solubilities of Oxygen and Carbon Dioxide in Butyl Methyl Imidazolium Tetrafluoroborate as a Function of Temperature and at Pressures Close to Atmospheric Pressure. <i>Journal of Chemical & Engineering Data</i> , 2003 , 48, 480-485	2.8	170
127	Influence of the Cation on the Solubility of CO ₂ and H ₂ in Ionic Liquids Based on the Bis(trifluoromethylsulfonyl)imide Anion. <i>Journal of Solution Chemistry</i> , 2007 , 36, 967-979	1.8	160
126	Three commentaries on the nano-segregated structure of ionic liquids. <i>Computational and Theoretical Chemistry</i> , 2010 , 946, 70-76		146
125	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, 6088-99	3.4	141
124	Effect of fluorination and size of the alkyl side-chain on the solubility of carbon dioxide in 1-alkyl-3-methylimidazolium bis(trifluoromethylsulfonyl)amide ionic liquids. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 3608-17	3.4	138
123	Prediction of Ionic Liquid Properties. II. Volumetric Properties as a Function of Temperature and Pressure. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 2133-2143	2.8	124
122	Molecular force field for ionic liquids v: hydroxyethylimidazolium, dimethoxy-2- methylimidazolium, and fluoroalkylimidazolium cations and bis(fluorosulfonyl)amide, perfluoroalkanesulfonylamide, and fluoroalkylfluorophosphate anions. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 3592-600	3.4	121
121	Low-Pressure Solubility and Thermodynamics of Solvation of Carbon Dioxide, Ethane, and Hydrogen in 1-Hexyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)amide between Temperatures of 283 K and 343 K. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 472-475	2.8	109
120	A molecular dynamics study of glucose solvation in the ionic liquid 1,3-dimethylimidazolium chloride. <i>ChemPhysChem</i> , 2006 , 7, 2279-81	3.2	109
119	Effect of water on the carbon dioxide absorption by 1-alkyl-3-methylimidazolium acetate ionic liquids. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 14416-25	3.4	98

118	Molecular simulation study of interactions of carbon dioxide and water with ionic liquids. <i>ChemPhysChem</i> , 2004 , 5, 1049-52	3.2	92
117	Self-assembled nanostructures in ionic liquids facilitate charge storage at electrified interfaces. <i>Nature Materials</i> , 2019 , 18, 1350-1357	27	90
116	Interaction between the pi-system of toluene and the imidazolium ring of ionic liquids: a combined NMR and molecular simulation study. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 170-7	3.4	87
115	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, 5831-4	3.4	83
114	Absorption of carbon dioxide, nitrous oxide, ethane and nitrogen by 1-alkyl-3-methylimidazolium (C(n)mim, n = 2,4,6) tris(pentafluoroethyl)trifluorophosphate ionic liquids (eFAP). <i>Journal of Physical Chemistry B</i> , 2012 , 116, 7728-38	3.4	81
113	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, 9894-900	3.4	81
112	Effect of alkyl chain length and hydroxyl group functionalization on the surface properties of imidazolium ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 13518-26	3.6	77
111	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	3.6	72
110	Mixing Enthalpy for Binary Mixtures Containing Ionic Liquids. <i>Chemical Reviews</i> , 2016 , 116, 6075-106	68.1	71
109	1-Alkyl-3-methylimidazolium alkanesulfonate ionic liquids, [C(n)H(2)(n)(+1)mim][C(k)H(2)(k)(+1)SO(3)]: synthesis and physicochemical properties. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 8939-48	3.6	67
108	Porous Ionic Liquids or Liquid Metal-Organic Frameworks?. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 11909-11912	16.4	66
107	Solubility of carbon dioxide and ethane in three ionic liquids based on the bis{(trifluoromethyl)sulfonyl}imide anion. <i>Fluid Phase Equilibria</i> , 2007 , 257, 27-34	2.5	66
106	Interactions of Carbon Dioxide with Liquid Fluorocarbons. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 14020-14024	3.4	65
105	Interactions and structure of ionic liquids on graphene and carbon nanotubes surfaces. <i>RSC Advances</i> , 2014 , 4, 18017-18024	3.7	61
104	Transferable, Polarizable Force Field for Ionic Liquids. <i>Journal of Chemical Theory and Computation</i> , 2019 , 15, 5858-5871	6.4	59
103	Solubility of carbon dioxide, nitrous oxide, ethane, and nitrogen in 1-butyl-1-methylpyrrolidinium and trihexyl(tetradecyl)phosphonium tris(pentafluoroethyl)trifluorophosphate (eFAP) ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2013 , 59, 65-71	2.9	58
102	Influence of oxygen functionalities on the environmental impact of imidazolium based ionic liquids. <i>Journal of Hazardous Materials</i> , 2011 , 198, 165-74	12.8	58
101	When can ionic liquids be considered readily biodegradable? Biodegradation pathways of pyridinium, pyrrolidinium and ammonium-based ionic liquids. <i>Green Chemistry</i> , 2015 , 17, 1479-1491	10	57

100	Liquid-liquid miscibility and volumetric properties of aqueous solutions of ionic liquids as a function of temperature. <i>Journal of Chemical Thermodynamics</i> , 2009 , 41, 1206-1214	2.9	57
99	Thermophysical properties, low pressure solubilities and thermodynamics of solvation of carbon dioxide and hydrogen in two ionic liquids based on the alkylsulfate anion. <i>Green Chemistry</i> , 2008 , 10, 944	10	57
98	Effect of Acetonitrile on the Solubility of Carbon Dioxide in 1-Ethyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)amide. <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 8180-8188 ³⁻⁹	3.9	57
97	Selectivity enhancement in the aqueous acid-catalyzed conversion of glucose to 5-hydroxymethylfurfural induced by choline chloride. <i>Green Chemistry</i> , 2013 , 15, 3205	10	56
96	Olefin hydrogenation by ruthenium nanoparticles in ionic liquid media: Does size matter?. <i>Journal of Catalysis</i> , 2010 , 275, 99-107	7.3	53
95	Solubility of dioxygen in seven fluorinated liquids. <i>Journal of Fluorine Chemistry</i> , 2004 , 125, 1325-1329	2.1	51
94	Thermodynamics and micro heterogeneity of ionic liquids. <i>Topics in Current Chemistry</i> , 2010 , 290, 161-83		50
93	Interaction Energies of Ionic Liquids with Metallic Nanoparticles: Solvation and Stabilization Effects. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 3537-3547	3.8	48
92	Influence of an Oxygen Functionalization on the Physicochemical Properties of Ionic Liquids: Density, Viscosity, and Carbon Dioxide Solubility as a Function of Temperature. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 4194-4202	2.8	48
91	Absorption of carbon dioxide by ionic liquids with carboxylate anions. <i>International Journal of Greenhouse Gas Control</i> , 2013 , 17, 78-88	4.2	47
90	The presence of functional groups key for biodegradation in ionic liquids: effect on gas solubility. <i>ChemSusChem</i> , 2010 , 3, 377-85	8.3	46
89	Influence of water on the carbon dioxide absorption by 1-ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)amide. <i>Fluid Phase Equilibria</i> , 2010 , 294, 98-104	2.5	45
88	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, 12394-400	3.4	44
87	Thermodynamics of cellulose dissolution in an imidazolium acetate ionic liquid. <i>Chemical Communications</i> , 2015 , 51, 4485-7	5.8	43
86	Diffusion Coefficients of 1-Alkyl-3-methylimidazolium Ionic Liquids in Water, Methanol, and Acetonitrile at Infinite Dilution. <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 2389-2394	2.8	43
85	Solubility of alkanes, alkanols and their fluorinated counterparts in tetraalkylphosphonium ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 9685-92	3.6	42
84	Calorimetric and Volumetric Study on Binary Mixtures 2,2,2-Trifluoroethanol + (1-Butyl-3-methylimidazolium Tetrafluoroborate or 1-Ethyl-3-methylimidazolium Tetrafluoroborate). <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 5504-5512	2.8	41
83	Deep eutectic solvents as green absorbents of volatile organic pollutants. <i>Environmental Chemistry Letters</i> , 2017 , 15, 747-753	13.3	40

82	Imidazolium-based ionic liquids with cyano groups for the selective absorption of ethane and ethylene. <i>Chemical Engineering Journal</i> , 2015 , 280, 755-762	14.7	39
81	Ruthenium nanoparticles in ionic liquids: structural and stability effects of polar solutes. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 13527-36	3.6	38
80	Predicting the solubility of xenon in n-hexane and n-perfluorohexane: a simulation and theoretical study. <i>Molecular Physics</i> , 2002 , 100, 2547-2553	1.7	38
79	Gas-liquid interactions in solution. <i>Pure and Applied Chemistry</i> , 2005 , 77, 653-665	2.1	37
78	Effect of Water on Deep Eutectic Solvent/ β -Cyclodextrin Systems. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 7277-7285	8.3	35
77	Interactions between water and 1-butyl-1-methylpyrrolidinium ionic liquids. <i>Journal of Chemical Physics</i> , 2015 , 143, 064503	3.9	35
76	Solvation of a Cellulose Microfibril in Imidazolium Acetate Ionic Liquids: Effect of a Cosolvent. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 14860-9	3.4	34
75	Using ethane and butane as probes to the molecular structure of 1-alkyl-3-methylimidazolium bis[(trifluoromethyl)sulfonyl] imide ionic liquids. <i>Faraday Discussions</i> , 2012 , 154, 41-52; discussion 81-96, 465-71	3.6	34
74	Influence of Fluorination on the Solubilities of Carbon Dioxide, Ethane, and Nitrogen in 1-n-Fluoro-alkyl-3-methylimidazolium Bis(n-fluoroalkylsulfonyl)amide Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 426-436	3.4	32
73	How do physical-chemical parameters influence the catalytic hydrogenation of 1,3-cyclohexadiene in ionic liquids?. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 8156-65	3.4	31
72	Phase equilibria in ionic liquid-aromatic compound mixtures, including benzene fluorination effects. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 7631-6	3.4	31
71	Characteristics of aggregation in aqueous solutions of dialkylpyrrolidinium bromides. <i>Journal of Colloid and Interface Science</i> , 2011 , 360, 606-16	9.3	31
70	Glass transition of ionic liquids under high pressure. <i>Journal of Chemical Physics</i> , 2014 , 140, 244514	3.9	30
69	Effect of unsaturation on the absorption of ethane and ethylene in imidazolium-based ionic liquids. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 7416-25	3.4	30
68	Solubility isotope effects in aqueous solutions of methane. <i>Journal of Chemical Physics</i> , 2002 , 116, 10816-10824	3.0	30
67	Influence of ester functional groups on the liquid-phase structure and solvation properties of imidazolium-based ionic liquids. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 3942-8	3.4	29
66	Volumetric properties and enthalpies of solution of alcohols $C_kH_{2k+1}OH$ ($k=1, 2, 6$) in 1-methyl-3-alkylimidazolium bis(trifluoromethylsulfonyl)imide $\{[C_1C_nIm][NTf_2] n=2, 4, 6, 8, 10\}$ ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2011 , 43, 1708-1718	2.9	29
65	Solubility of oxygen, carbon dioxide and water in semifluorinated alkanes and in perfluorooctylbromide by molecular simulation. <i>Journal of Fluorine Chemistry</i> , 2004 , 125, 409-413	2.1	28

64	Ionic Liquids Can Enable the Recycling of Fluorinated Greenhouse Gases. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 16900-16906	8.3	27
63	Dispersion and Stabilization of Exfoliated Graphene in Ionic Liquids. <i>Frontiers in Chemistry</i> , 2019 , 7, 223	5	26
62	First Evidence of Cyclodextrin Inclusion Complexes in a Deep Eutectic Solvent. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 6345-6351	8.3	26
61	Ionic liquids at the surface of graphite: Wettability and structure. <i>Journal of Chemical Physics</i> , 2018 , 148, 193840	3.9	25
60	Perfluoroalkanes in Water: Experimental Henry's Law Coefficients for Hexafluoroethane and Computer Simulations for Tetrafluoromethane and Hexafluoroethane. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 8403-8409	3.4	25
59	Tailoring the properties of acetate-based ionic liquids using the tricyanomethanide anion. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 23285-95	3.6	25
58	Can the tricyanomethanide anion improve CO absorption by acetate-based ionic liquids?. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 12431-12440	3.6	23
57	Relevant parameters for assessing the environmental impact of some pyridinium, ammonium and pyrrolidinium based ionic liquids. <i>Chemosphere</i> , 2012 , 89, 327-33	8.4	23
56	Low pressure solubility and thermodynamics of solvation of oxygen, carbon dioxide, and carbon monoxide in fluorinated liquids. <i>Journal of Chemical Thermodynamics</i> , 2007 , 39, 847-854	2.9	23
55	Improvement of carbon dioxide absorption by mixing poly(ethylene glycol) dimethyl ether with ammonium-based ionic liquids. <i>Separation and Purification Technology</i> , 2018 , 196, 10-19	8.3	22
54	Porous Ionic Liquids or Liquid Metal-Organic Frameworks?. <i>Angewandte Chemie</i> , 2018 , 130, 12085-12088	3.6	22
53	High-Pressure Densities of 2,2,2-Trifluoroethanol + Ionic Liquid Mixtures Useful for Possible Applications in Absorption Cycles. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 10791-10802	3.9	22
52	Direct measurement of the heat of solution and solubility of carbon dioxide in 1-hexyl-3-methylimidazolium bis[trifluoromethylsulfonyl]amide and 1-octyl-3-methylimidazolium bis[trifluoromethylsulfonyl]amide. <i>International Journal of Greenhouse Gas Control</i> , 2012 , 10, 329-340	4.2	22
51	Phase behaviour, interactions, and structural studies of (amines+ionic liquids) binary mixtures. <i>ChemPhysChem</i> , 2012 , 13, 1825-35	3.2	22
50	Vapour pressures, aqueous solubility, Henry's law constants and air/water partition coefficients of 1,8-dichlorooctane and 1,8-dibromooctane. <i>Chemosphere</i> , 2006 , 64, 1829-36	8.4	22
49	Atmosphere/water partition of halocyclohexanes from vapour pressure and solubility data. <i>Atmospheric Environment</i> , 2008 , 42, 4724-4734	5.3	20
48	Extension of the CL&Pol Polarizable Force Field to Electrolytes, Protic Ionic Liquids, and Deep Eutectic Solvents. <i>Journal of Chemical Theory and Computation</i> , 2021 , 17, 1606-1617	6.4	20
47	Connecting chloride solvation with hydration in deep eutectic systems. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 107-111	3.6	19

46	Preparation of microfibers from wood/ionic liquid solutions. <i>Carbohydrate Polymers</i> , 2013 , 92, 214-7	10.3	18
45	Ligand effect on the catalytic activity of ruthenium nanoparticles in ionic liquids. <i>Dalton Transactions</i> , 2012 , 41, 13919-26	4.3	18
44	Aqueous solubility, Henry's law constants and air/water partition coefficients of n-octane and two halogenated octanes. <i>Chemosphere</i> , 2004 , 57, 1543-51	8.4	18
43	Determination of Henry's law constants for aqueous solutions of tetradeuteriomethane between 285 and 325 K and calculation of the H/D isotope effect. <i>Physical Chemistry Chemical Physics</i> , 2001 , 3, 1047-1052	3.6	18
42	Glycine in 1-butyl-3-methylimidazolium acetate and trifluoroacetate ionic liquids: effect of fluorination and hydrogen bonding. <i>ChemPhysChem</i> , 2012 , 13, 1753-63	3.2	17
41	Influence of ionic association, transport properties, and solvation on the catalytic hydrogenation of 1,3-cyclohexadiene in ionic liquids. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 12150-9	3.4	17
40	Solubility of xenon in n-hexane between 257 and 333 K. <i>Fluid Phase Equilibria</i> , 2002 , 193, 41-51	2.5	17
39	High-Performance Porous Ionic Liquids for Low-Pressure CO Capture*. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 12876-12882	16.4	17
38	Do Cyclodextrins Encapsulate Volatiles in Deep Eutectic Systems?. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 17397-17405	8.3	16
37	Pressure effect on vibrational frequency and dephasing of 1-alkyl-3-methylimidazolium hexafluorophosphate ionic liquids. <i>Journal of Chemical Physics</i> , 2013 , 139, 054510	3.9	15
36	Systematic Comparison of the Structural and Dynamic Properties of Commonly Used Water Models for Molecular Dynamics Simulations. <i>Journal of Chemical Information and Modeling</i> , 2021 , 61, 4521-4536	6.1	14
35	Solvation of halogens in fluororous phases. Experimental and simulation data for F ₂ , Cl ₂ , and Br ₂ in several fluorinated liquids. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 6653-64	3.4	13
34	Using hydrogenated and perfluorinated gases to probe the interactions and structure of fluorinated ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 8865-8873	3.6	12
33	New generation of supramolecular mixtures: Characterization and solubilization studies. <i>International Journal of Pharmaceutics</i> , 2020 , 584, 119443	6.5	11
32	Process Evaluation of Fluorinated Ionic Liquids as F-Gas Absorbents. <i>Environmental Science & Technology</i> , 2020 , 54, 12784-12794	10.3	11
31	Solubility of n-butane and 2-methylpropane (isobutane) in 1-alkyl-3-methylimidazolium-based ionic liquids with linear and branched alkyl side-chains. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 30328-42	3.6	10
30	How Does the Addition of a Third Ion Affect the Molecular Interactions and the Thermodynamic Properties of Acetate-Based Ionic Liquids?. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 9725-9736	3.4	10
29	Molecular dynamics simulations of polyethers and a quaternary ammonium ionic liquid as CO absorbers. <i>Journal of Chemical Physics</i> , 2018 , 148, 134908	3.9	9

28	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
27	Preliminary study on suitability of ionic liquids as potential passive-sampling media of polyaromatic-hydrocarbon (PAH) analyses in water. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 3531-6	4.4	8
26	Porous Ionic Liquids: Structure, Stability, and Gas Absorption Mechanisms. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2001982	4.6	8
25	Solvation of C60 Fullerene and C60F48 Fluorinated Fullerene in Molecular and Ionic Liquids. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 19396-19408	3.8	8
24	On the Regular Behavior of a Binary Mixture of Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 6579-6587	3.4	7
23	Isobutane as a probe of the structure of 1-alkyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2015 , 89, 98-103	2.9	7
22	Effect of Nitrile-Functionalization of Imidazolium-Based Ionic Liquids on Their Transport Properties, Both Pure and Mixed with Lithium Salts. <i>Journal of Solution Chemistry</i> , 2015 , 44, 495-510	1.8	7
21	Ionic Liquids: Promising Media for Gas Separations. <i>ACS Symposium Series</i> , 2010 , 223-237	0.4	6
20	Effect of bromine substitution on the solubility of gases in hydrocarbons and fluorocarbons. <i>Fluid Phase Equilibria</i> , 2007 , 251, 128-136	2.5	6
19	Gaseous Hydrocarbon Separations Using Functionalized Ionic Liquids. <i>Oil and Gas Science and Technology</i> , 2016 , 71, 23	1.9	6
18	Structure and dynamics of ionic liquids: general discussion. <i>Faraday Discussions</i> , 2018 , 206, 291-337	3.6	6
17	Integrated, one-pot carbon capture and utilisation using porous ionic liquids. <i>Chemical Communications</i> , 2021 , 57, 7922-7925	5.8	5
16	Ion pair free energy surface as a probe of ionic liquid structure. <i>Journal of Chemical Physics</i> , 2020 , 152, 014103	3.9	4
15	Phase behaviour and thermodynamics: general discussion. <i>Faraday Discussions</i> , 2017 , 206, 113-139	3.6	4
14	Interactions of Gases with Ionic Liquids: Experimental Approach. <i>ACS Symposium Series</i> , 2005 , 207-218	0.4	3
13	Sodium diffusion in ionic liquid-based electrolytes for Na-ion batteries: the effect of polarizable force fields. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 20114-20122	3.6	3
12	Screening Ionic Solvents for Enhancing the Solubility of Water-Insoluble Natural Dyes. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 8555-8564	3.9	3
11	Probing the Reorganization of Ionic Liquids Structure Induced by CO Sorption. <i>ChemPhysChem</i> , 2020 , 21, 1230-1234	3.2	2

10	Influence of Ionic Liquids on the Morphology of Corn Flour/Polyester Mixtures. <i>Starch/Staerke</i> , 2018 , 70, 1700233	2.3	2
9	Tuning the solvation of indigo in aqueous deep eutectics. <i>Journal of Chemical Physics</i> , 2021 , 154, 2245023,9	3.9	2
8	Experimental Study of the Interactions of Fullerene with Ionic Liquids. <i>ACS Symposium Series</i> , 2017 , 273-281	2.1	1
7	Using Thermodynamics to Assess the Molecular Interactions of Tetrabutylphosphonium Carboxylate/Water Mixtures. <i>Australian Journal of Chemistry</i> , 2019 , 72, 144	1.2	1
6	Improved carbon dioxide absorption in double-charged ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 23130-23140	3.6	1
5	Mixing divalent ionic liquids: effects of charge and side-chains. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 4624-4635	3.6	1
4	High-Performance Porous Ionic Liquids for Low-Pressure CO ₂ Capture**. <i>Angewandte Chemie</i> , 2021 , 133, 12986-12992	3.6	0
3	Enhancement of the solubility of organic dyes in aqueous ionic solvents doped with surfactants. <i>Journal of Molecular Liquids</i> , 2022 , 357, 118958	6	0
2	Molecular Modelling of Ionic Liquids 2015 , 83-106		
1	Ionic liquids at interfaces: general discussion. <i>Faraday Discussions</i> , 2018 , 206, 549-586	3.6	