

# Margarida F Costa Gomes

## 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.

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	Enhancement of the solubility of organic dyes in aqueous ionic solvents doped with surfactants. <i>Journal of Molecular Liquids</i> , <b>2022</b> , 357, 118958	6	0
134	Porous Ionic Liquids: Structure, Stability, and Gas Absorption Mechanisms. <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2001982	4.6	8
133	High-Performance Porous Ionic Liquids for Low-Pressure CO <sub>2</sub> Capture**. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 12986-12992	3.6	0
132	High-Performance Porous Ionic Liquids for Low-Pressure CO Capture*. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 12876-12882	16.4	17
131	Screening Ionic Solvents for Enhancing the Solubility of Water-Insoluble Natural Dyes. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 8555-8564	3.9	3
130	Tuning the solvation of indigo in aqueous deep eutectics. <i>Journal of Chemical Physics</i> , <b>2021</b> , 154, 224502	3.9	2
129	Connecting chloride solvation with hydration in deep eutectic systems. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 107-111	3.6	19
128	Integrated, one-pot carbon capture and utilisation using porous ionic liquids. <i>Chemical Communications</i> , <b>2021</b> , 57, 7922-7925	5.8	5
127	Improved carbon dioxide absorption in double-charged ionic liquids. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 23130-23140	3.6	1
126	Mixing divalent ionic liquids: effects of charge and side-chains. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 4624-4635	3.6	1
125	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> , <b>2021</b> , 17, 1606-1617	6.4	20
124	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> , <b>2021</b> , 61, 4521-4536	6.1	14
123	Probing the Reorganization of Ionic Liquids Structure Induced by CO Sorption. <i>ChemPhysChem</i> , <b>2020</b> , 21, 1230-1234	3.2	2
122	New generation of supramolecular mixtures: Characterization and solubilization studies. <i>International Journal of Pharmaceutics</i> , <b>2020</b> , 584, 119443	6.5	11
121	Ion pair free energy surface as a probe of ionic liquid structure. <i>Journal of Chemical Physics</i> , <b>2020</b> , 152, 014103	3.9	4
120	Sodium diffusion in ionic liquid-based electrolytes for Na-ion batteries: the effect of polarizable force fields. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 20114-20122	3.6	3
119	Process Evaluation of Fluorinated Ionic Liquids as F-Gas Absorbents. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 12784-12794	10.3	11

118	Do Cyclodextrins Encapsulate Volatiles in Deep Eutectic Systems?. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 17397-17405	8.3	16
117	Ionic Liquids Can Enable the Recycling of Fluorinated Greenhouse Gases. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 16900-16906	8.3	27
116	Transferable, Polarizable Force Field for Ionic Liquids. <i>Journal of Chemical Theory and Computation</i> , <b>2019</b> , 15, 5858-5871	6.4	59
115	Using Thermodynamics to Assess the Molecular Interactions of Tetrabutylphosphonium Carboxylate/Water Mixtures. <i>Australian Journal of Chemistry</i> , <b>2019</b> , 72, 144	1.2	1
114	Effect of Water on Deep Eutectic Solvent/Cyclodextrin Systems. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 7277-7285	8.3	35
113	Dispersion and Stabilization of Exfoliated Graphene in Ionic Liquids. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 223	5	26
112	Using hydrogenated and perfluorinated gases to probe the interactions and structure of fluorinated ionic liquids. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 8865-8873	3.6	12
111	First Evidence of Cyclodextrin Inclusion Complexes in a Deep Eutectic Solvent. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 6345-6351	8.3	26
110	Self-assembled nanostructures in ionic liquids facilitate charge storage at electrified interfaces. <i>Nature Materials</i> , <b>2019</b> , 18, 1350-1357	27	90
109	On the Regular Behavior of a Binary Mixture of Ionic Liquids. <i>Journal of Physical Chemistry B</i> , <b>2019</b> , 123, 6579-6587	3.4	7
108	Influence of Ionic Liquids on the Morphology of Corn Flour/Polyester Mixtures. <i>Starch/Staerke</i> , <b>2018</b> , 70, 1700233	2.3	2
107	Molecular dynamics simulations of polyethers and a quaternary ammonium ionic liquid as CO absorbers. <i>Journal of Chemical Physics</i> , <b>2018</b> , 148, 134908	3.9	9
106	Ionic liquids at the surface of graphite: Wettability and structure. <i>Journal of Chemical Physics</i> , <b>2018</b> , 148, 193840	3.9	25
105	Improvement of carbon dioxide absorption by mixing poly(ethylene glycol) dimethyl ether with ammonium-based ionic liquids. <i>Separation and Purification Technology</i> , <b>2018</b> , 196, 10-19	8.3	22
104	Porous Ionic Liquids or Liquid Metal-Organic Frameworks?. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 11909-11912	16.4	66
103	Porous Ionic Liquids or Liquid Metal/Organic Frameworks?. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 12085-12088	3.6	22
102	Structure and dynamics of ionic liquids: general discussion. <i>Faraday Discussions</i> , <b>2018</b> , 206, 291-337	3.6	6
101	Ionic liquids at interfaces: general discussion. <i>Faraday Discussions</i> , <b>2018</b> , 206, 549-586	3.6	

100	Can the tricyanomethanide anion improve CO absorption by acetate-based ionic liquids?. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 12431-12440	3.6	23
99	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> , <b>2017</b> , 121, 426-436	3.4	32
98	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
97	Experimental Study of the Interactions of Fullerene with Ionic Liquids. <i>ACS Symposium Series</i> , <b>2017</b> , 273-281	2.1	1
96	Deep eutectic solvents as green absorbents of volatile organic pollutants. <i>Environmental Chemistry Letters</i> , <b>2017</b> , 15, 747-753	13.3	40
95	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> , <b>2017</b> , 121, 9725-9736	3.4	10
94	Phase behaviour and thermodynamics: general discussion. <i>Faraday Discussions</i> , <b>2017</b> , 206, 113-139	3.6	4
93	Gaseous Hydrocarbon Separations Using Functionalized Ionic Liquids. <i>Oil and Gas Science and Technology</i> , <b>2016</b> , 71, 23	1.9	6
92	Mixing Enthalpy for Binary Mixtures Containing Ionic Liquids. <i>Chemical Reviews</i> , <b>2016</b> , 116, 6075-106	68.1	71
91	Solvation of C60 Fullerene and C60F48 Fluorinated Fullerene in Molecular and Ionic Liquids. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 19396-19408	3.8	8
90	Tailoring the properties of acetate-based ionic liquids using the tricyanomethanide anion. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 23285-95	3.6	25
89	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> , <b>2015</b> , 407, 3531-6	4.4	8
88	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> , <b>2015</b> , 17, 30328-42	3.6	10
87	Imidazolium-based ionic liquids with cyano groups for the selective absorption of ethane and ethylene. <i>Chemical Engineering Journal</i> , <b>2015</b> , 280, 755-762	14.7	39
86	Interactions between water and 1-butyl-1-methylpyrrolidinium ionic liquids. <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 064503	3.9	35
85	Liquids with permanent porosity. <i>Nature</i> , <b>2015</b> , 527, 216-20	50.4	283
84	When can ionic liquids be considered readily biodegradable? Biodegradation pathways of pyridinium, pyrrolidinium and ammonium-based ionic liquids. <i>Green Chemistry</i> , <b>2015</b> , 17, 1479-1491	10	57
83	Molecular Modelling of Ionic Liquids <b>2015</b> , 83-106		

82	Isobutane as a probe of the structure of 1-alkyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide ionic liquids. <i>Journal of Chemical Thermodynamics</i> , <b>2015</b> , 89, 98-103	2.9	7
81	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> , <b>2015</b> , 44, 495-510	1.8	7
80	Thermodynamics of cellulose dissolution in an imidazolium acetate ionic liquid. <i>Chemical Communications</i> , <b>2015</b> , 51, 4485-7	5.8	43
79	Interactions and structure of ionic liquids on graphene and carbon nanotubes surfaces. <i>RSC Advances</i> , <b>2014</b> , 4, 18017-18024	3.7	61
78	Understanding the role of co-solvents in the dissolution of cellulose in ionic liquids. <i>Green Chemistry</i> , <b>2014</b> , 16, 2528	10	181
77	High-Pressure Densities of 2,2,2-Trifluoroethanol + Ionic Liquid Mixtures Useful for Possible Applications in Absorption Cycles. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 10791-10802	3.9	22
76	Solvation of a Cellulose Microfibril in Imidazolium Acetate Ionic Liquids: Effect of a Cosolvent. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 14860-9	3.4	34
75	Glass transition of ionic liquids under high pressure. <i>Journal of Chemical Physics</i> , <b>2014</b> , 140, 244514	3.9	30
74	Absorption of carbon dioxide by ionic liquids with carboxylate anions. <i>International Journal of Greenhouse Gas Control</i> , <b>2013</b> , 17, 78-88	4.2	47
73	Selectivity enhancement in the aqueous acid-catalyzed conversion of glucose to 5-hydroxymethylfurfural induced by choline chloride. <i>Green Chemistry</i> , <b>2013</b> , 15, 3205	10	56
72	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> , <b>2013</b> , 59, 65-71	2.9	58
71	Preparation of microfibers from wood/ionic liquid solutions. <i>Carbohydrate Polymers</i> , <b>2013</b> , 92, 214-7	10.3	18
70	Effect of unsaturation on the absorption of ethane and ethylene in imidazolium-based ionic liquids. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 7416-25	3.4	30
69	Interaction Energies of Ionic Liquids with Metallic Nanoparticles: Solvation and Stabilization Effects. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 3537-3547	3.8	48
68	Pressure effect on vibrational frequency and dephasing of 1-alkyl-3-methylimidazolium hexafluorophosphate ionic liquids. <i>Journal of Chemical Physics</i> , <b>2013</b> , 139, 054510	3.9	15
67	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> , <b>2012</b> , 154, 41-52; discussion 81-96, 465-71	3.6	34
66	Effect of water on the carbon dioxide absorption by 1-alkyl-3-methylimidazolium acetate ionic liquids. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 14416-25	3.4	98
65	Ligand effect on the catalytic activity of ruthenium nanoparticles in ionic liquids. <i>Dalton Transactions</i> , <b>2012</b> , 41, 13919-26	4.3	18

64	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> , <b>2012</b> , 10, 329-340	4.2	22
63	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> , <b>2012</b> , 116, 7728-38	3.4	81
62	Glycine in 1-butyl-3-methylimidazolium acetate and trifluoroacetate ionic liquids: effect of fluorination and hydrogen bonding. <i>ChemPhysChem</i> , <b>2012</b> , 13, 1753-63	3.2	17
61	Phase behaviour, interactions, and structural studies of (amines+ionic liquids) binary mixtures. <i>ChemPhysChem</i> , <b>2012</b> , 13, 1825-35	3.2	22
60	Relevant parameters for assessing the environmental impact of some pyridinium, ammonium and pyrrolidinium based ionic liquids. <i>Chemosphere</i> , <b>2012</b> , 89, 327-33	8.4	23
59	Polarity, viscosity, and ionic conductivity of liquid mixtures containing [C4C1im][Ntf2] and a molecular component. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 6088-99	3.4	141
58	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 &amp; Engineering Data</i> , <b>2011</b> , 56, 4194-4202	2.8	48
57	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> , <b>2011</b> , 115, 3942-8	3.4	29
56	Effect of alkyl chain length and hydroxyl group functionalization on the surface properties of imidazolium ionic liquids. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 13518-26	3.6	77
55	Influence of oxygen functionalities on the environmental impact of imidazolium based ionic liquids. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 198, 165-74	12.8	58
54	Ruthenium nanoparticles in ionic liquids: structural and stability effects of polar solutes. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 13527-36	3.6	38
53	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> , <b>2011</b> , 115, 12150-9	3.4	17
52	Characteristics of aggregation in aqueous solutions of dialkylpyrrolidinium bromides. <i>Journal of Colloid and Interface Science</i> , <b>2011</b> , 360, 606-16	9.3	31
51	Volumetric properties and enthalpies of solution of alcohols C <sub>k</sub> H <sub>2k+1</sub> OH (k=1, 2, 6) in 1-methyl-3-alkylimidazolium bis(trifluoromethylsulfonyl)imide {[C1CnIm][NTf2] n=2, 4, 6, 8, 10} ionic liquids. <i>Journal of Chemical Thermodynamics</i> , <b>2011</b> , 43, 1708-1718	2.9	29
50	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> , <b>2010</b> , 114, 5831-4	3.4	83
49	Solubility of alkanes, alkanols and their fluorinated counterparts in tetraalkylphosphonium ionic liquids. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 9685-92	3.6	42
48	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 &amp; Engineering Data</i> , <b>2010</b> , 55, 5504-5512	2.8	41
47	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> , <b>2010</b> , 114, 3608-17	3.4	138

46	How do physical-chemical parameters influence the catalytic hydrogenation of 1,3-cyclohexadiene in ionic liquids?. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 8156-65	3.4	31
45	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> , <b>2010</b> , 114, 3592-600	3.4	121
44	Thermodynamics and micro heterogeneity of ionic liquids. <i>Topics in Current Chemistry</i> , <b>2010</b> , 290, 161-83		50
43	Ionic Liquids: Promising Media for Gas Separations. <i>ACS Symposium Series</i> , <b>2010</b> , 223-237	0.4	6
42	Three commentaries on the nano-segregated structure of ionic liquids. <i>Computational and Theoretical Chemistry</i> , <b>2010</b> , 946, 70-76		146
41	Olefin hydrogenation by ruthenium nanoparticles in ionic liquid media: Does size matter?. <i>Journal of Catalysis</i> , <b>2010</b> , 275, 99-107	7.3	53
40	The presence of functional groups key for biodegradation in ionic liquids: effect on gas solubility. <i>ChemSusChem</i> , <b>2010</b> , 3, 377-85	8.3	46
39	Influence of water on the carbon dioxide absorption by 1-ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)amide. <i>Fluid Phase Equilibria</i> , <b>2010</b> , 294, 98-104	2.5	45
38	Liquid-Liquid miscibility and volumetric properties of aqueous solutions of ionic liquids as a function of temperature. <i>Journal of Chemical Thermodynamics</i> , <b>2009</b> , 41, 1206-1214	2.9	57
37	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> , <b>2009</b> , 113, 9894-900	3.4	81
36	Phase equilibria in ionic liquid-aromatic compound mixtures, including benzene fluorination effects. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 7631-6	3.4	31
35	Diffusion Coefficients of 1-Alkyl-3-methylimidazolium Ionic Liquids in Water, Methanol, and Acetonitrile at Infinite Dilution. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2009</b> , 54, 2389-2394	2.8	43
34	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> , <b>2009</b> , 11, 8939-48	3.6	67
33	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> , <b>2009</b> , 113, 170-7	3.4	87
32	Atmosphere/water partition of halocyclohexanes from vapour pressure and solubility data. <i>Atmospheric Environment</i> , <b>2008</b> , 42, 4724-4734	5.3	20
31	Prediction of Ionic Liquid Properties. II. Volumetric Properties as a Function of Temperature and Pressure. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2008</b> , 53, 2133-2143	2.8	124
30	Prediction of Ionic Liquid Properties. I. Volumetric Properties as a Function of Temperature at 0.1 MPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2008</b> , 53, 716-726	2.8	218
29	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> , <b>2008</b> , 10, 944	10	57

28	Interactions of fluorinated gases with ionic liquids: solubility of CF <sub>4</sub> , C <sub>2</sub> F <sub>6</sub> , and C <sub>3</sub> F <sub>8</sub> in trihexyltetradecylphosphonium bis(trifluoromethylsulfonyl)amide. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 12394-400	3.4	44
27	Solvation of halogens in fluorous phases. Experimental and simulation data for F <sub>2</sub> , Cl <sub>2</sub> , and Br <sub>2</sub> in several fluorinated liquids. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 6653-64	3.4	13
26	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 &amp; Engineering Data</i> , <b>2007</b> , 52, 472-475	2.8	109
25	Influence of the Cation on the Solubility of CO <sub>2</sub> and H <sub>2</sub> in Ionic Liquids Based on the Bis(trifluoromethylsulfonyl)imide Anion. <i>Journal of Solution Chemistry</i> , <b>2007</b> , 36, 967-979	1.8	160
24	Effect of bromine substitution on the solubility of gases in hydrocarbons and fluorocarbons. <i>Fluid Phase Equilibria</i> , <b>2007</b> , 251, 128-136	2.5	6
23	Solubility of carbon dioxide and ethane in three ionic liquids based on the bis((trifluoromethyl)sulfonyl)imide anion. <i>Fluid Phase Equilibria</i> , <b>2007</b> , 257, 27-34	2.5	66
22	Low pressure solubility and thermodynamics of solvation of oxygen, carbon dioxide, and carbon monoxide in fluorinated liquids. <i>Journal of Chemical Thermodynamics</i> , <b>2007</b> , 39, 847-854	2.9	23
21	Molecular solutes in ionic liquids: a structural perspective. <i>Accounts of Chemical Research</i> , <b>2007</b> , 40, 1087-115	2.6	415
20	A molecular dynamics study of glucose solvation in the ionic liquid 1,3-dimethylimidazolium chloride. <i>ChemPhysChem</i> , <b>2006</b> , 7, 2279-81	3.2	109
19	Nonpolar, polar, and associating solutes in ionic liquids. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 16816-24	3.4	416
18	Effect of Acetonitrile on the Solubility of Carbon Dioxide in 1-Ethyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)amide. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2006</b> , 45, 8180-8188	3.9	57
17	Vapour pressures, aqueous solubility, Henry's law constants and air/water partition coefficients of 1,8-dichlorooctane and 1,8-dibromooctane. <i>Chemosphere</i> , <b>2006</b> , 64, 1829-36	8.4	22
16	Low-pressure solubilities and thermodynamics of solvation of eight gases in 1-butyl-3-methylimidazolium hexafluorophosphate. <i>Fluid Phase Equilibria</i> , <b>2006</b> , 240, 87-95	2.5	245
15	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> , <b>2006</b> , 38, 490-502	2.9	335
14	Interactions of Gases with Ionic Liquids: Experimental Approach. <i>ACS Symposium Series</i> , <b>2005</b> , 207-218	0.4	3
13	Gas-liquid interactions in solution. <i>Pure and Applied Chemistry</i> , <b>2005</b> , 77, 653-665	2.1	37
12	Molecular simulation study of interactions of carbon dioxide and water with ionic liquids. <i>ChemPhysChem</i> , <b>2004</b> , 5, 1049-52	3.2	92
11	Solubility of oxygen, carbon dioxide and water in semifluorinated alkanes and in perfluorooctylbromide by molecular simulation. <i>Journal of Fluorine Chemistry</i> , <b>2004</b> , 125, 409-413	2.1	28



10	Solubility of dioxygen in seven fluorinated liquids. <i>Journal of Fluorine Chemistry</i> , <b>2004</b> , 125, 1325-1329	2.1	51
9	Aqueous solubility, Henry's law constants and air/water partition coefficients of n-octane and two halogenated octanes. <i>Chemosphere</i> , <b>2004</b> , 57, 1543-51	8.4	18
8	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 &amp; Engineering Data</i> , <b>2003</b> , 48, 480-485	2.8	170
7	Interactions of Carbon Dioxide with Liquid Fluorocarbons. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 14020-14024	3.4	65
6	Solubility of oxygen in n-hexane and in n-perfluorohexane. Experimental determination and prediction by molecular simulation. <i>Physical Chemistry Chemical Physics</i> , <b>2003</b> , 5, 543-549	3.6	72
5	Solubility of xenon in n-hexane between 257 and 333 K. <i>Fluid Phase Equilibria</i> , <b>2002</b> , 193, 41-51	2.5	17
4	Solubility isotope effects in aqueous solutions of methane. <i>Journal of Chemical Physics</i> , <b>2002</b> , 116, 10816-10824	3.1	30
3	Predicting the solubility of xenon in n-hexane and n-perfluorohexane: a simulation and theoretical study. <i>Molecular Physics</i> , <b>2002</b> , 100, 2547-2553	1.7	38
2	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> , <b>2001</b> , 3, 1047-1052	3.6	18
1	Perfluoroalkanes in Water: Experimental Henry's Law Coefficients for Hexafluoroethane and Computer Simulations for Tetrafluoromethane and Hexafluoroethane. <i>Journal of Physical Chemistry B</i> , <b>2001</b> , 105, 8403-8409	3.4	25