

# Noelia Calvar

## 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.

82  
papers

3,442  
citations

37  
h-index

56  
g-index

83  
ext. papers

3,651  
ext. citations

3  
avg, IF

5.23  
L-index

#	Paper	IF	Citations
82	Equilibrium in Electrolyte Systems <b>2019</b> , 529-562		
81	Thermal behavior and heat capacities of pyrrolidinium-based ionic liquids by DSC. <i>Fluid Phase Equilibria</i> , <b>2018</b> , 470, 51-59	2.5	24
80	Activity and Osmotic Coefficients of Binary Mixtures of NTF2 Ionic Liquids with a Primary Alcohol. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2016</b> , 61, 4123-4130	2.8	
79	Determination and correlation of (liquid + liquid) equilibria of ternary and quaternary systems with octane, decane, benzene and [BMpyr][DCA] at T = 298.15 K and atmospheric pressure. <i>Journal of Chemical Thermodynamics</i> , <b>2016</b> , 94, 197-203	2.9	8
78	Application of the ionic liquid tributylmethylammonium bis(trifluoromethylsulfonyl)imide as solvent for the extraction of benzene from octane and decane at T = 298.15 K and atmospheric pressure. <i>Fluid Phase Equilibria</i> , <b>2016</b> , 417, 137-143	2.5	15
77	(Vapor + liquid) equilibria of alcohol + 1-methyl-1-propylpiperidinium triflate ionic liquid: VPO measurements and modeling. <i>Journal of Chemical Thermodynamics</i> , <b>2016</b> , 97, 183-190	2.9	5
76	Comparative study of the LLE of the quaternary and ternary systems involving benzene, n-octane, n-decane and the ionic liquid [BMpyr][NTF2]. <i>Journal of Chemical Thermodynamics</i> , <b>2016</b> , 98, 56-61	2.9	16
75	(Liquid+liquid) equilibrium of ternary and quaternary systems containing heptane, cyclohexane, toluene and the ionic liquid [EMim][N(CN)2]. Experimental data and correlation. <i>Journal of Chemical Thermodynamics</i> , <b>2016</b> , 94, 16-23	2.9	11
74	Study of the suitability of two ammonium-based ionic liquids for the extraction of benzene from its mixtures with aliphatic hydrocarbons. <i>Fluid Phase Equilibria</i> , <b>2016</b> , 426, 17-24	2.5	3
73	Thermal Behaviour of Pure Ionic Liquids <b>2015</b> ,		7
72	Application of Pyrrolidinium-Based Ionic Liquid as Solvent for the Liquid Extraction of Benzene from Its Mixtures with Aliphatic Hydrocarbons. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 1342-1349	3.9	31
71	Measurement and Correlation of Liquid-Liquid Equilibria for Ternary and Quaternary Systems of Heptane, Cyclohexane, Toluene, and [EMim][OAc] at 298.15 K. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 9471-9477	3.9	14
70	Quaternary (liquid+liquid) equilibrium data for the extraction of toluene from alkanes using the ionic liquid [EMim][MSO4]. <i>Journal of Chemical Thermodynamics</i> , <b>2014</b> , 76, 79-86	2.9	18
69	Osmotic coefficients of alcoholic mixtures containing BMpyrDCA: Experimental determination and correlation. <i>Journal of Chemical Thermodynamics</i> , <b>2014</b> , 72, 9-15	2.9	9
68	Osmotic coefficients and apparent molar volumes of 1-hexyl-3-methylimidazolium trifluoromethanesulfonate ionic liquid in alcohols. <i>Journal of Chemical Thermodynamics</i> , <b>2014</b> , 69, 93-100 <sup>2.9</sup>	2.9	13
67	Experimental data, correlation and prediction of the extraction of benzene from cyclic hydrocarbons using [Epy][ESO4] ionic liquid. <i>Fluid Phase Equilibria</i> , <b>2014</b> , 361, 83-92	2.5	15
66	Thermal analysis and heat capacities of pyridinium and imidazolium ionic liquids. <i>Thermochimica Acta</i> , <b>2013</b> , 565, 178-182	2.9	43

65	Vapour pressures and osmotic coefficients of binary mixtures containing alcohol and pyrrolidinium-based ionic liquids. <i>Journal of Chemical Thermodynamics</i> , <b>2013</b> , 66, 137-143	2.9	9
64	Evaluation of ionic liquids as solvent for aromatic extraction: Experimental, correlation and COSMO-RS predictions. <i>Journal of Chemical Thermodynamics</i> , <b>2013</b> , 67, 5-12	2.9	27
63	Ionic liquids as solvents to separate the azeotropic mixture hexane/ethanol. <i>Fluid Phase Equilibria</i> , <b>2013</b> , 337, 11-17	2.5	40
62	Liquid-Liquid Extraction of Aromatic Compounds from Cycloalkanes Using 1-Butyl-3-methylimidazolium Methylsulfate Ionic Liquid. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2013</b> , 58, 189-196	2.8	19
61	Osmotic and apparent molar properties of binary mixtures alcohol+1-butyl-3-methylimidazolium trifluoromethanesulfonate ionic liquid. <i>Journal of Chemical Thermodynamics</i> , <b>2013</b> , 61, 64-73	2.9	31
60	Thermal Analysis and Heat Capacities of 1-Alkyl-3-methylimidazolium Ionic Liquids with NTF <sub>2</sub> TFO and DCA Anions. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 2103-2110	3.9	59
59	Modeling of Ionic Liquid Systems: Phase Equilibria and Physical Properties <b>2013</b> ,		3
58	Effect of the temperature on the physical properties of pure 1-propyl 3-methylimidazolium bis(trifluoromethylsulfonyl)imide and characterization of its binary mixtures with alcohols. <i>Journal of Chemical Thermodynamics</i> , <b>2012</b> , 45, 9-15	2.9	57
57	Acoustic, volumetric and osmotic properties of binary mixtures containing the ionic liquid 1-butyl-3-methylimidazolium dicyanamide mixed with primary and secondary alcohols. <i>Journal of Chemical Thermodynamics</i> , <b>2012</b> , 50, 19-29	2.9	29
56	Application of [HMim][NTf <sub>2</sub> ], [HMim][TfO] and [BMim][TfO] ionic liquids on the extraction of toluene from alkanes: Effect of the anion and the alkyl chain length of the cation on the LLE. <i>Journal of Chemical Thermodynamics</i> , <b>2012</b> , 53, 60-66	2.9	46
55	Influence of the Structure of the Cation of Ionic Liquids on the Vapor Pressure and Osmotic Coefficients in their Binary Mixtures with 1-Propanol. <i>Procedia Engineering</i> , <b>2012</b> , 42, 1053-1060		2
54	Physical and Excess Properties for Binary Systems Containing an Alcohol and Ionic Liquid at T = 298.15 K. <i>Procedia Engineering</i> , <b>2012</b> , 42, 1383-1389		5
53	Separation of Benzene from Heptane Using Tree Ionic Liquids: BMimMSO <sub>4</sub> , BMimNTf <sub>2</sub> , and PMimNTf <sub>2</sub> . <i>Procedia Engineering</i> , <b>2012</b> , 42, 1597-1605		9
52	Thermodynamic behavior of binary mixtures C <sub>n</sub> MpyNTf <sub>2</sub> ionic liquids with primary and secondary alcohols. <i>Thermochimica Acta</i> , <b>2012</b> , 549, 49-56	2.9	6
51	Physicochemical Characterization of New Sulfonate and Sulfate Ammonium Ionic Liquids. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2012</b> , 57, 241-248	2.8	15
50	Temperature Dependence and Structural Influence on the Thermophysical Properties of Eleven Commercial Ionic Liquids. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 2492-2504	3.9	142
49	Study of the influence of the structure of the alcohol on vapor pressures and osmotic coefficients of binary mixtures alcohol+1-hexyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide at T=323.15K. <i>Fluid Phase Equilibria</i> , <b>2012</b> , 313, 38-45	2.5	21
48	Capacity of ionic liquids [EMim][NTf <sub>2</sub> ] and [EMpy][NTf <sub>2</sub> ] for extraction of toluene from mixtures with alkanes: Comparative study of the effect of the cation. <i>Fluid Phase Equilibria</i> , <b>2012</b> , 315, 46-52	2.5	46

47	Separation of binary mixtures aromatic + aliphatic using ionic liquids: Influence of the structure of the ionic liquid, aromatic and aliphatic. <i>Chemical Engineering Journal</i> , <b>2011</b> , 175, 213-221	14.7	50
46	Extraction of toluene from aliphatic compounds using an ionic liquid as solvent: Influence of the alkane on the (liquid+liquid) equilibrium. <i>Journal of Chemical Thermodynamics</i> , <b>2011</b> , 43, 562-568	2.9	37
45	Measurement and modeling of osmotic coefficients of binary mixtures (alcohol+1,3-dimethylpyridinium methylsulfate) at T=323.15K. <i>Journal of Chemical Thermodynamics</i> , <b>2011</b> , 43, 908-913	2.9	16
44	Application of [EMim][ESO4] ionic liquid as solvent in the extraction of toluene from cycloalkanes: Study of liquid-liquid equilibria at T=298.15K. <i>Fluid Phase Equilibria</i> , <b>2011</b> , 303, 174-179	2.5	28
43	Study of [EMim][ESO4] ionic liquid as solvent in the liquid-liquid extraction of xylenes from their mixtures with hexane. <i>Fluid Phase Equilibria</i> , <b>2011</b> , 305, 227-232	2.5	14
42	Separation of toluene from cyclic hydrocarbons using 1-butyl-3-methylimidazolium methylsulfate ionic liquid at T = 298.15 K and atmospheric pressure. <i>Journal of Chemical Thermodynamics</i> , <b>2011</b> , 43, 705-710	2.9	19
41	(Liquid+liquid) equilibrium data for the ternary systems (cycloalkane+ethylbenzene+1-ethyl-3-methylimidazolium ethylsulfate) at T=298.15K and atmospheric pressure. <i>Journal of Chemical Thermodynamics</i> , <b>2011</b> , 43, 725-730	2.9	24
40	Determination and modelling of osmotic coefficients and vapour pressures of binary systems 1- and 2-propanol with C <sub>n</sub> MimNTf <sub>2</sub> ionic liquids (n = 2, 3, and 4) at T = 323.15 K. <i>Journal of Chemical Thermodynamics</i> , <b>2011</b> , 43, 1256-1262	2.9	18
39	Liquid-Liquid Equilibrium for Ternary Mixtures of Hexane + Aromatic Compounds + [EMpy][ESO4] at T = 298.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2010</b> , 55, 633-638	2.8	53
38	Density, Speed of Sound, and Refractive Index for Binary Mixtures Containing Cycloalkanes with o-Xylene, m-Xylene, p-Xylene, and Mesitylene at T = (298.15 and 313.15) K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2010</b> , 55, 2294-2305	2.8	49
37	Liquid Extraction of Benzene from Its Mixtures Using 1-Ethyl-3-methylimidazolium Ethylsulfate as a Solvent. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2010</b> , 55, 4931-4936	2.8	42
36	Effect of the Chain Length on the Aromatic Ring in the Separation of Aromatic Compounds from Methylcyclohexane Using the Ionic Liquid 1-Ethyl-3-methylpyridinium Ethylsulfate. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2010</b> , 55, 2289-2293	2.8	18
35	Separation of Benzene from Linear Alkanes (C <sub>6</sub> -C <sub>9</sub> ) Using 1-Ethyl-3-Methylimidazolium Ethylsulfate at T = 298.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2010</b> , 55, 3422-3427	2.8	41
34	Experimental Vapor-Liquid Equilibria for the Ternary System Ethanol + Water + 1-Ethyl-3-methylpyridinium Ethylsulfate and the Corresponding Binary Systems at 101.3 kPa: Study of the Effect of the Cation. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2010</b> , 55, 2786-2791	2.8	40
33	Measurement and correlation of liquid-liquid equilibria for ternary systems {cyclooctane+aromatic hydrocarbon+1-ethyl-3-methylpyridinium ethylsulfate} at T=298.15K and atmospheric pressure. <i>Fluid Phase Equilibria</i> , <b>2010</b> , 291, 59-65	2.5	39
32	Separation of toluene from alkanes using 1-ethyl-3-methylpyridinium ethylsulfate ionic liquid at T=298.15K and atmospheric pressure. <i>Journal of Chemical Thermodynamics</i> , <b>2010</b> , 42, 752-757	2.9	47
31	Synthesis and temperature dependence of physical properties of four pyridinium-based ionic liquids: Influence of the size of the cation. <i>Journal of Chemical Thermodynamics</i> , <b>2010</b> , 42, 1324-1329	2.9	50
30	Separation of benzene from alkanes using 1-ethyl-3-methylpyridinium ethylsulfate ionic liquid at several temperatures and atmospheric pressure: Effect of the size of the aliphatic hydrocarbons. <i>Journal of Chemical Thermodynamics</i> , <b>2010</b> , 42, 104-109	2.9	68

29	Vapour pressures, osmotic and activity coefficients for binary mixtures containing (1-ethylpyridinium ethylsulfate + several alcohols) at T = 323.15 K. <i>Journal of Chemical Thermodynamics</i> , <b>2010</b> , 42, 625-630	2.9	18
28	Separation of benzene from alkanes by solvent extraction with 1-ethylpyridinium ethylsulfate ionic liquid. <i>Journal of Chemical Thermodynamics</i> , <b>2010</b> , 42, 1234-1239	2.9	37
27	Application of [EMpy][ESO4] ionic liquid as solvent for the liquid extraction of xylenes from hexane. <i>Fluid Phase Equilibria</i> , <b>2010</b> , 295, 249-254	2.5	26
26	Osmotic coefficients of binary mixtures of 1-butyl-3-methylimidazolium methylsulfate and 1,3-dimethylimidazolium methylsulfate with alcohols at T=323.15K. <i>Journal of Chemical Thermodynamics</i> , <b>2009</b> , 41, 617-622	2.9	26
25	Vapour pressures and osmotic coefficients of binary mixtures of 1-ethyl-3-methylimidazolium ethylsulfate and 1-ethyl-3-methylpyridinium ethylsulfate with alcohols at T=323.15K. <i>Journal of Chemical Thermodynamics</i> , <b>2009</b> , 41, 1439-1445	2.9	19
24	Osmotic coefficients of binary mixtures of four ionic liquids with ethanol or water at T=(313.15 and 333.15)K. <i>Journal of Chemical Thermodynamics</i> , <b>2009</b> , 41, 11-16	2.9	47
23	Experimental densities, refractive indices, and speeds of sound of 12 binary mixtures containing alkanes and aromatic compounds at T=313.15K. <i>Journal of Chemical Thermodynamics</i> , <b>2009</b> , 41, 939-944	2.9	47
22	(Liquid+liquid) equilibria for ternary mixtures of (alkane+benzene+[EMpy] [ESO4]) at several temperatures and atmospheric pressure. <i>Journal of Chemical Thermodynamics</i> , <b>2009</b> , 41, 1215-1221	2.9	80
21	Experimental Determination, Correlation, and Prediction of Physical Properties of the Ternary Mixtures Ethanol and 1-Propanol + Water + 1-Ethyl-3-methylpyridinium Ethylsulfate at 298.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2009</b> , 54, 2229-2234	2.8	5
20	Density, Speed of Sound, and Refractive Index for Binary Mixtures Containing Cycloalkanes and Aromatic Compounds at T = 313.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2009</b> , 54, 1334-1339	2.8	36
19	Synthesis and Physical Properties of 1-Ethylpyridinium Ethylsulfate and its Binary Mixtures with Ethanol and 1-Propanol at Several Temperatures. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2009</b> , 54, 1353-1358	2.8	45
18	Vapor-Liquid Equilibria for the Ternary System Ethanol + Water + 1-Butyl-3-methylimidazolium Methylsulfate and the Corresponding Binary Systems at 101.3 kPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2009</b> , 54, 1004-1008	2.8	50
17	Density and Viscosity Experimental Data of the Ternary Mixtures 1-Propanol or 2-Propanol + Water + 1-Ethyl-3-methylimidazolium Ethylsulfate. Correlation and Prediction of Physical Properties of the Ternary Systems. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2008</b> , 53, 881-887	2.8	48
16	Synthesis and Physical Properties of 1-Ethyl 3-methylpyridinium Ethylsulfate and Its Binary Mixtures with Ethanol and Water at Several Temperatures. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2008</b> , 53, 1824-1828	2.8	48
15	Vapor-Liquid Equilibria for the Ternary System Ethanol + Water + 1-Ethyl-3-methylimidazolium Ethylsulfate and the Corresponding Binary Systems Containing the Ionic Liquid at 101.3 kPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2008</b> , 53, 820-825	2.8	96
14	Osmotic coefficients of aqueous solutions of four ionic liquids at T=(313.15 and 333.15) K. <i>Journal of Chemical Thermodynamics</i> , <b>2008</b> , 40, 1346-1351	2.9	51
13	Physical properties of the ternary system (ethanol+water+1-butyl-3-methylimidazolium methylsulphate) and its binary mixtures at several temperatures. <i>Journal of Chemical Thermodynamics</i> , <b>2008</b> , 40, 1274-1281	2.9	71
12	Excess molar properties of ternary system (ethanol+water+1,3-dimethylimidazolium methylsulphate) and its binary mixtures at several temperatures. <i>Journal of Chemical Thermodynamics</i> , <b>2008</b> , 40, 1208-1216	2.9	53

11	Experimental Determination, Correlation, and Prediction of Physical Properties of the Ternary Mixtures Ethanol + Water with 1-Octyl-3-methylimidazolium Chloride and 1-Ethyl-3-methylimidazolium Ethylsulfate. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2007</b> , 52, 2529-2535	2.8	46
10	Esterification of acetic acid with ethanol: Reaction kinetics and operation in a packed bed reactive distillation column. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2007</b> , 46, 1317-1323	3.7	74
9	Dynamic viscosities of binary mixtures of cycloalkanes with primary alcohols at T = (293.15, 298.15, and 303.15) K: New UNIFAC-VISCO interaction parameters. <i>Journal of Chemical Thermodynamics</i> , <b>2007</b> , 39, 322-334	2.9	53
8	Study of the behaviour of the azeotropic mixture ethanol/water with imidazolium-based ionic liquids. <i>Fluid Phase Equilibria</i> , <b>2007</b> , 259, 51-56	2.5	82
7	Density, dynamic viscosity, and derived properties of binary mixtures of methanol or ethanol with water, ethyl acetate, and methyl acetate at T=(293.15, 298.15, and 303.15)K. <i>Journal of Chemical Thermodynamics</i> , <b>2007</b> , 39, 1578-1588	2.9	263
6	Physical Properties of Binary Mixtures of the Ionic Liquid 1-Ethyl-3-methylimidazolium Ethyl Sulfate with Several Alcohols at T = (298.15, 313.15, and 328.15) K and Atmospheric Pressure. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2007</b> , 52, 1641-1648	2.8	140
5	Physical properties of the ternary mixture ethanol + water + 1-hexyl-3-methylimidazolium chloride at 298.15 K. <i>Physics and Chemistry of Liquids</i> , <b>2006</b> , 44, 409-417	1.5	27
4	Vapor-Liquid Equilibria for the Ternary System Ethanol + Water + 1-Butyl-3-methylimidazolium Chloride and the Corresponding Binary Systems at 101.3 kPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2006</b> , 51, 2178-2181	2.8	97
3	Physical Properties of Pure 1-Ethyl-3-methylimidazolium Ethylsulfate and Its Binary Mixtures with Ethanol and Water at Several Temperatures. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2006</b> , 51, 2096-2102	2.8	322
2	Physical Properties of the Ternary Mixture Ethanol+Water+1-Butyl-3-Methylimidazolium Chloride at 298.15 K. <i>Journal of Solution Chemistry</i> , <b>2006</b> , 35, 1217-1225	1.8	33
1	Vapor-Liquid equilibria for the quaternary reactive system ethyl acetate + ethanol + water + acetic acid and some of the constituent binary systems at 101.3 kPa. <i>Fluid Phase Equilibria</i> , <b>2005</b> , 235, 215-222	2.5	51