

# Gonzalez Begoa

## List of Publications by Citations

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73  
papers

3,639  
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38  
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59  
g-index

74  
ext. papers

3,926  
ext. citations

3.2  
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5.45  
L-index

#	Paper	IF	Citations
73	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
72	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
71	Dynamic Viscosities of a Series of 1-Alkyl-3-methylimidazolium Chloride Ionic Liquids and Their Binary Mixtures with Water at Several Temperatures. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2006</b> , 51, 696-701	2.8	259
70	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
69	Dynamic Viscosities, Densities, and Speed of Sound and Derived Properties of the Binary Systems Acetic Acid with Water, Methanol, Ethanol, Ethyl Acetate and Methyl Acetate at T = (293.15, 298.15, and 303.15) K at Atmospheric Pressure. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2004</b> , 49, 1590-1596	2.8	135
68	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
67	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
66	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
65	(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
64	Viscosities, densities and speeds of sound of the binary systems: 2-propanol with octane, or decane, or dodecane at T=(293.15, 298.15, and 303.15) K. <i>Journal of Chemical Thermodynamics</i> , <b>2003</b> , 35, 939-953	2.9	77
63	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
62	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
61	Density, Speed of Sound, and Refractive Index of the Binary Systems Cyclohexane (1) or Methylcyclohexane (1) or Cyclo-octane (1) with Benzene (2), Toluene (2), and Ethylbenzene (2) at Two Temperatures. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2010</b> , 55, 1003-1011	2.8	61
60	Liquid-liquid extraction of phenolic compounds from water using ionic liquids: Literature review and new experimental data using [Cmim]FSI. <i>Journal of Environmental Management</i> , <b>2018</b> , 228, 475-482	7.9	59
59	Viscosity, density, and speed of sound of methylcyclopentane with primary and secondary alcohols at T=(293.15, 298.15, and 303.15)K. <i>Journal of Chemical Thermodynamics</i> , <b>2006</b> , 38, 1172-1185	2.9	54
58	Dynamic Viscosities of 2-Pentanol with Alkanes (Octane, Decane, and Dodecane) at Three Temperatures T = (293.15, 298.15, and 303.15) K. New UNIFAC-VISCO Interaction Parameters. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2004</b> , 49, 1225-1230	2.8	54
57	Thermophysical Properties of the Pure Ionic Liquid 1-Butyl-1-methylpyrrolidinium Dicyanamide and Its Binary Mixtures with Alcohols. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2013</b> , 58, 1440-1448	2.8	53

56	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
55	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
54	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
53	Dynamic viscosities of 2-butanol with alkanes (C8, C10, and C12) at several temperatures. <i>Journal of Chemical Thermodynamics</i> , <b>2004</b> , 36, 267-275	2.9	52
52	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
51	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
50	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
49	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
48	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
47	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
46	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
45	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
44	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
43	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
42	Removing phenolic pollutants using Deep Eutectic Solvents. <i>Separation and Purification Technology</i> , <b>2019</b> , 227, 115703	8.3	42
41	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
40	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
39	Excess properties of binary mixtures hexane, heptane, octane and nonane with benzene, toluene and ethylbenzene at T = 283.15 and 298.15 K. <i>Physics and Chemistry of Liquids</i> , <b>2010</b> , 48, 514-533	1.5	40

38	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
37	Physical Properties of the Pure Deep Eutectic Solvent, [ChCl]:[Lev] (1:2) DES, and Its Binary Mixtures with Alcohols. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2016</b> , 61, 4191-4202	2.8	39
36	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
35	1-Alkyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide ionic liquids as solvents in the separation of azeotropic mixtures. <i>Journal of Chemical Thermodynamics</i> , <b>2012</b> , 53, 152-157	2.9	36
34	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
33	Physical properties of seven deep eutectic solvents based on l-proline or betaine. <i>Journal of Chemical Thermodynamics</i> , <b>2019</b> , 131, 517-523	2.9	36
32	Physicochemical Characterization of New Sulfate Ionic Liquids. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2011</b> , 56, 14-20	2.8	35
31	Liquid-Liquid equilibria for ternary systems of {cyclohexane+aromatic compounds+1-ethyl-3-methylpyridinium ethylsulfate}. <i>Fluid Phase Equilibria</i> , <b>2010</b> , 296, 213-218	2.5	35
30	Physical properties of the binary systems methylcyclopentane with ketones (acetone, butanone and 2-pentanone) at T = (293.15, 298.15, and 303.15) K. New UNIFAC-VISCO interaction parameters. <i>Journal of Chemical Thermodynamics</i> , <b>2006</b> , 38, 707-716	2.9	33
29	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
28	Extraction of phenolic compounds from hazelnut shells by green processes.. <i>Journal of Food Engineering</i> , <b>2019</b> , 255, 1-8	6	31
27	Ethanol extraction from its azeotropic mixture with hexane employing different ionic liquids as solvents. <i>Journal of Chemical Thermodynamics</i> , <b>2012</b> , 55, 138-143	2.9	30
26	Dynamic Viscosities of the Binary Systems Cyclohexane and Cyclopentane with Acetone, Butanone, or 2-Pentanone at Three Temperatures T = (293.15, 298.15, and 303.15) K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2005</b> , 50, 1462-1469	2.8	30
25	Viscosities, Densities, and Speed of Sound of the Cycloalkanes with Secondary Alcohols at T = (293.15, 298.15, and 303.15) K: New UNIFAC-VISCO Interaction Parameters. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2006</b> , 51, 1076-1087	2.8	30
24	Physical properties of the pure 1-methyl-1-propylpyrrolidinium bis(trifluoromethylsulfonyl)imide ionic liquid and its binary mixtures with alcohols. <i>Journal of Chemical Thermodynamics</i> , <b>2014</b> , 68, 109-116	2.9	29
23	Capacity of two 1-butyl-1-methylpyrrolidinium-based ionic liquids for the extraction of ethanol from its mixtures with heptane and hexane. <i>Fluid Phase Equilibria</i> , <b>2013</b> , 354, 89-94	2.5	26
22	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
21	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

20	Removal of phenolic pollutants from wastewater streams using ionic liquids. <i>Separation and Purification Technology</i> , <b>2020</b> , 236, 116310	8.3	26
19	Extraction of adipic, levulinic and succinic acids from water using TOPO-based deep eutectic solvents. <i>Separation and Purification Technology</i> , <b>2020</b> , 241, 116692	8.3	24
18	Liquid-Liquid Equilibria of the Ternary Systems of Alkane + Aromatic + 1-Ethylpyridinium Ethylsulfate Ionic Liquid at T = (283.15 and 298.15) K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2010</b> , 55, 5169-5175	2.8	22
17	Application of 1-alkyl-3-methylpyridinium bis(trifluoromethylsulfonyl)imide ionic liquids for the ethanol removal from its mixtures with alkanes. <i>Journal of Chemical Thermodynamics</i> , <b>2013</b> , 60, 9-14	2.9	20
16	Cation effect of ammonium imide based ionic liquids in alcohols extraction from alcohol-alkane azeotropic mixtures. <i>Journal of Chemical Thermodynamics</i> , <b>2014</b> , 68, 32-39	2.9	19
15	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
14	Using bis(trifluoromethylsulfonyl)imide based ionic liquids to extract phenolic compounds. <i>Journal of Chemical Thermodynamics</i> , <b>2019</b> , 131, 159-167	2.9	18
13	Effect of the relative humidity and isomeric structure on the physical properties of pyridinium based-ionic liquids. <i>Journal of Chemical Thermodynamics</i> , <b>2015</b> , 86, 96-105	2.9	14
12	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
11	Densities and Derived Volumetric Properties of Ionic Liquids with [Nf2] and [NTf2] Anions at High Pressures. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2018</b> , 63, 954-964	2.8	11
10	Activity coefficients at infinite dilution for different alcohols and ketones in [EMpy][ESO4]: Experimental data and modeling with PC-SAFT. <i>Fluid Phase Equilibria</i> , <b>2016</b> , 424, 32-40	2.5	8
9	Cosolvent effect on physical properties of 1,3-dimethyl imidazolium dimethyl phosphate and some theoretical insights on cellulose dissolution. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 265, 114-120	6	7
8	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
7	Recovery and Elimination of Phenolic Pollutants from Water Using [NTf2] and [Nf2]-Based Ionic Liquids. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 4321	2.6	4
6	High pressure densities and derived thermodynamic properties of deep eutectic solvents with menthol and saturated fatty acids. <i>Journal of Chemical Thermodynamics</i> , <b>2021</b> , 162, 106578	2.9	3
5	Dynamic Viscosities of KI or NH4I in Methanol and NH4I in Ethanol at Several Temperatures and 0.1 MPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2005</b> , 50, 109-112	2.8	2
4	Extraction of Carboxylic Acids from Aqueous Solutions by Using [BMim][NTf2] and Salting-out Agents. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2019</b> , 64, 4717-4723	2.8	1
3	Role of the cation on the liquid extraction of levulinic acid from water using NTf2-based ionic liquids: Experimental data and computational analysis. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 302, 112561	6	1

- 2 Hydrophobic deep eutectic solvents as extraction agents of nitrophenolic pollutants from aqueous systems. *Environmental Technology and Innovation*, **2022**, 25, 102170 7 1
- 1 Congo red recovery from water using green extraction solvents. *Water Resources and Industry*, **2022**, 27, 100170 4.5 0