

# Gonzalez Begoña

## List of Publications by Year in descending order

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73  
papers

4,231  
citations

71061

41  
h-index

110317

64  
g-index

74  
all docs

74  
docs citations

74  
times ranked

2520  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrophobic deep eutectic solvents as extraction agents of nitrophenolic pollutants from aqueous systems. <i>Environmental Technology and Innovation</i> , 2022, 25, 102170.	3.0	14
2	Congo red recovery from water using green extraction solvents. <i>Water Resources and Industry</i> , 2022, 27, 100170.	1.9	10
3	High pressure densities and derived thermodynamic properties of deep eutectic solvents with menthol and saturated fatty acids. <i>Journal of Chemical Thermodynamics</i> , 2021, 162, 106578.	1.0	12
4	Removal of phenolic pollutants from wastewater streams using ionic liquids. <i>Separation and Purification Technology</i> , 2020, 236, 116310.	3.9	53
5	Extraction of adipic, levulinic and succinic acids from water using TOPO-based deep eutectic solvents. <i>Separation and Purification Technology</i> , 2020, 241, 116692.	3.9	45
6	Role of the cation on the liquid extraction of levulinic acid from water using Ntf <sub>2</sub> -based ionic liquids: Experimental data and computational analysis. <i>Journal of Molecular Liquids</i> , 2020, 302, 112561.	2.3	6
7	Extraction of Carboxylic Acids from Aqueous Solutions by Using [BMim][NTf <sub>2</sub> ] and Salting-out Agents. <i>Journal of Chemical &amp; Engineering Data</i> , 2019, 64, 4717-4723.	1.0	2
8	Removing phenolic pollutants using Deep Eutectic Solvents. <i>Separation and Purification Technology</i> , 2019, 227, 115703.	3.9	69
9	Extraction of phenolic compounds from hazelnut shells by green processes.. <i>Journal of Food Engineering</i> , 2019, 255, 1-8.	2.7	47
10	Recovery and Elimination of Phenolic Pollutants from Water Using [NTf <sub>2</sub> ] and [Nf <sub>2</sub> ]-Based Ionic Liquids. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4321.	1.3	4
11	Physical properties of seven deep eutectic solvents based on l-proline or betaine. <i>Journal of Chemical Thermodynamics</i> , 2019, 131, 517-523.	1.0	75
12	Using bis(trifluoromethylsulfonyl)imide based ionic liquids to extract phenolic compounds. <i>Journal of Chemical Thermodynamics</i> , 2019, 131, 159-167.	1.0	23
13	Densities and Derived Volumetric Properties of Ionic Liquids with [Nf <sub>2</sub> ] and [NTf <sub>2</sub> ] Anions at High Pressures. <i>Journal of Chemical &amp; Engineering Data</i> , 2018, 63, 954-964.	1.0	20
14	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> , 2018, 265, 114-120.	2.3	12
15	Liquid-liquid extraction of phenolic compounds from water using ionic liquids: Literature review and new experimental data using [C2mim]FSI. <i>Journal of Environmental Management</i> , 2018, 228, 475-482.	3.8	81
16	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> , 2016, 61, 4191-4202.	1.0	55
17	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> , 2016, 424, 32-40.	1.4	12
18	Effect of the relative humidity and isomeric structure on the physical properties of pyridinium based-ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2015, 86, 96-105.	1.0	22

#	ARTICLE	IF	CITATIONS
19	Cation effect of ammonium imide based ionic liquids in alcohols extraction from alcohol-alkane azeotropic mixtures. Journal of Chemical Thermodynamics, 2014, 68, 32-39.	1.0	21
20	Physical properties of the pure 1-methyl-1-propylpyrrolidinium bis(trifluoromethylsulfonyl)imide ionic liquid and its binary mixtures with alcohols. Journal of Chemical Thermodynamics, 2014, 68, 109-116.	1.0	34
21	Ionic liquids as solvents to separate the azeotropic mixture hexane/ethanol. Fluid Phase Equilibria, 2013, 337, 11-17.	1.4	43
22	Capacity of two 1-butyl-1-methylpyrrolidinium-based ionic liquids for the extraction of ethanol from its mixtures with heptane and hexane. Fluid Phase Equilibria, 2013, 354, 89-94.	1.4	28
23	Application of 1-alkyl-3-methylpyridinium bis(trifluoromethylsulfonyl)imide ionic liquids for the ethanol removal from its mixtures with alkanes. Journal of Chemical Thermodynamics, 2013, 60, 9-14.	1.0	24
24	Thermophysical Properties of the Pure Ionic Liquid 1-Butyl-1-methylpyrrolidinium Dicyanamide and Its Binary Mixtures with Alcohols. Journal of Chemical & Engineering Data, 2013, 58, 1440-1448.	1.0	66
25	1-Alkyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide ionic liquids as solvents in the separation of azeotropic mixtures. Journal of Chemical Thermodynamics, 2012, 53, 152-157.	1.0	43
26	Ethanol extraction from its azeotropic mixture with hexane employing different ionic liquids as solvents. Journal of Chemical Thermodynamics, 2012, 55, 138-143.	1.0	34
27	Physicochemical Characterization of New Sulfate Ionic Liquids. Journal of Chemical & Engineering Data, 2011, 56, 14-20.	1.0	37
28	Study of [EMim][ESO4] ionic liquid as solvent in the liquid-liquid extraction of xylenes from their mixtures with hexane. Fluid Phase Equilibria, 2011, 305, 227-232.	1.4	14
29	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. Fluid Phase Equilibria, 2010, 291, 59-65.	1.4	39
30	Liquid-liquid equilibria for ternary systems of {cyclohexane+aromatic compounds+1-ethyl-3-methylpyridinium ethylsulfate}. Fluid Phase Equilibria, 2010, 296, 213-218.	1.4	39
31	Separation of toluene from alkanes using 1-ethyl-3-methylpyridinium ethylsulfate ionic liquid at T=298.15K and atmospheric pressure. Journal of Chemical Thermodynamics, 2010, 42, 752-757.	1.0	48
32	Application of [EMpy][ESO4] ionic liquid as solvent for the liquid extraction of xylenes from hexane. Fluid Phase Equilibria, 2010, 295, 249-254.	1.4	27
33	Excess properties of binary mixtures hexane, heptane, octane and nonane with benzene, toluene and ethylbenzene at $T = 283.15$ and $298.15$ K. Physics and Chemistry of Liquids, 2010, 48, 514-533.	0.4	43
34	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. Journal of Chemical & Engineering Data, 2010, 55, 1003-1011.	1.0	68
35	Liquid-Liquid Equilibrium for Ternary Mixtures of Hexane + Aromatic Compounds + [EMpy][ESO <sub>4</sub> ] at $T = 298.15$ K. Journal of Chemical & Engineering Data, 2010, 55, 633-638.	1.0	56
36	Density, Speed of Sound, and Refractive Index for Binary Mixtures Containing Cycloalkanes with <i>o</i> -Xylene, <i>m</i> -Xylene, <i>p</i> -Xylene, and Mesitylene at $T = (298.15$ and $313.15)$ K. Journal of Chemical & Engineering Data, 2010, 55, 2294-2305.	1.0	53

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37	Liquid Extraction of Benzene from Its Mixtures Using 1-Ethyl-3-methylimidazolium Ethylsulfate as a Solvent. Journal of Chemical & Engineering Data, 2010, 55, 4931-4936.	1.0	46
38	Liquid-Liquid Equilibria of the Ternary Systems of Alkane + Aromatic + 1-Ethylpyridinium Ethylsulfate Ionic Liquid at $T = (283.15 \text{ and } 298.15) \text{ K}$ . Journal of Chemical & Engineering Data, 2010, 55, 5169-5175.	1.0	24
39	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. Journal of Chemical & Engineering Data, 2010, 55, 2786-2791.	1.0	48
40	Osmotic coefficients of binary mixtures of 1-butyl-3-methylimidazolium methylsulfate and 1,3-dimethylimidazolium methylsulfate with alcohols at $T=323.15\text{K}$ . Journal of Chemical Thermodynamics, 2009, 41, 617-622.	1.0	29
41	Vapour pressures and osmotic coefficients of binary mixtures of 1-ethyl-3-methylimidazolium ethylsulfate and 1-ethyl-3-methylpyridinium ethylsulfate with alcohols at $T=323.15\text{K}$ . Journal of Chemical Thermodynamics, 2009, 41, 1439-1445.	1.0	23
42	Osmotic coefficients of binary mixtures of four ionic liquids with ethanol or water at $T=(313.15 \text{ and } 323.15) \text{ K}$ . Journal of Chemical Thermodynamics, 2009, 41, 1075-1080.	1.0	48
43	Experimental densities, refractive indices, and speeds of sound of 12 binary mixtures containing alkanes and aromatic compounds at $T=313.15\text{K}$ . Journal of Chemical Thermodynamics, 2009, 41, 939-944.	1.0	52
44	(Liquid+liquid) equilibria for ternary mixtures of (alkane+benzene+[EMpy] [ESO4]) at several temperatures and atmospheric pressure. Journal of Chemical Thermodynamics, 2009, 41, 1215-1221.	1.0	85
45	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. Journal of Chemical & Engineering Data, 2009, 54, 2229-2234.	1.0	6
46	Density, Speed of Sound, and Refractive Index for Binary Mixtures Containing Cycloalkanes and Aromatic Compounds at $T = 313.15 \text{ K}$ . Journal of Chemical & Engineering Data, 2009, 54, 1334-1339.	1.0	43
47	Synthesis and Physical Properties of 1-Ethylpyridinium Ethylsulfate and its Binary Mixtures with Ethanol and 1-Propanol at Several Temperatures. Journal of Chemical & Engineering Data, 2009, 54, 1353-1358.	1.0	50
48	Vapor-Liquid Equilibria for the Ternary System Ethanol + Water + 1-Butyl-3-methylimidazolium Methylsulfate and the Corresponding Binary Systems at 101.3 kPa. Journal of Chemical & Engineering Data, 2009, 54, 1004-1008.	1.0	58
49	Osmotic coefficients of aqueous solutions of four ionic liquids at $T=(313.15 \text{ and } 333.15) \text{ K}$ . Journal of Chemical Thermodynamics, 2008, 40, 1346-1351.	1.0	57
50	Physical properties of the ternary system (ethanol+water+1-butyl-3-methylimidazolium) at $T=(277.15 \text{ and } 323.15) \text{ K}$ . Journal of Chemical Thermodynamics, 2008, 40, 1274-1281.	1.0	77
51	Excess molar properties of ternary system (ethanol+water+1,3-dimethylimidazolium methylsulphate) and its binary mixtures at several temperatures. Journal of Chemical Thermodynamics, 2008, 40, 1208-1216.	1.0	59
52	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. Journal of Chemical & Engineering Data, 2008, 53, 881-887.	1.0	49
53	Synthesis and Physical Properties of 1-Ethyl 3-methylpyridinium Ethylsulfate and Its Binary Mixtures with Ethanol and Water at Several Temperatures. Journal of Chemical & Engineering Data, 2008, 53, 1824-1828.	1.0	51
54	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. Journal of Chemical & Engineering Data, 2008, 53, 820-825.	1.0	107

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55	Physical Properties of Binary Mixtures of the Ionic Liquid 1-Ethyl-3-methylimidazolium Ethyl Sulfate with Several Alcohols at $T = (298.15, 313.15, \text{ and } 328.15) \text{ K}$ and Atmospheric Pressure. Journal of Chemical & Engineering Data, 2007, 52, 1641-1648.	1.0	153
56	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. Journal of Chemical & Engineering Data, 2007, 52, 2529-2535.	1.0	48
57	Esterification of acetic acid with ethanol: Reaction kinetics and operation in a packed bed reactive distillation column. Chemical Engineering and Processing: Process Intensification, 2007, 46, 1317-1323.	1.8	94
58	Dynamic viscosities of binary mixtures of cycloalkanes with primary alcohols at $T = (293.15, 298.15, \text{ and } 322-334) \text{ K}$ . Journal of Chemical & Engineering Data, 2006, 51, 1076-1087.	1.0	55
59	Study of the behaviour of the azeotropic mixture ethanol-water with imidazolium-based ionic liquids. Fluid Phase Equilibria, 2007, 259, 51-56.	1.4	91
60	Density, dynamic viscosity, and derived properties of binary mixtures of methanol or ethanol with water, ethyl acetate, and methyl acetate at $T = (293.15, 298.15, \text{ and } 303.15) \text{ K}$ . Journal of Chemical Thermodynamics, 2007, 39, 1578-1588.	1.0	314
61	Vapor-Liquid Equilibria for the Ternary System Ethanol + Water + 1-Butyl-3-methylimidazolium Chloride and the Corresponding Binary Systems at 101.3 kPa. Journal of Chemical & Engineering Data, 2006, 51, 2178-2181.	1.0	103
62	Viscosities, Densities, and Speed of Sound of the Cycloalkanes with Secondary Alcohols at $T = (293.15, 298.15, \text{ and } 322-334) \text{ K}$ . Journal of Chemical & Engineering Data, 2006, 51, 1076-1087.	1.0	33
63	Physical Properties of Pure 1-Ethyl-3-methylimidazolium Ethylsulfate and Its Binary Mixtures with Ethanol and Water at Several Temperatures. Journal of Chemical & Engineering Data, 2006, 51, 2096-2102.	1.0	340
64	Physical properties of the binary systems methylcyclopentane with ketones (acetone, butanone and 2-Pentanone) at $T = (293.15, 298.15, \text{ and } 303.15) \text{ K}$ . Journal of Chemical Thermodynamics, 2006, 38, 707-716.	1.0	34
65	Viscosity, density, and speed of sound of methylcyclopentane with primary and secondary alcohols at $T = (293.15, 298.15, \text{ and } 303.15) \text{ K}$ . Journal of Chemical Thermodynamics, 2006, 38, 1172-1185.	1.0	61
66	Dynamic Viscosities of a Series of 1-Alkyl-3-methylimidazolium Chloride Ionic Liquids and Their Binary Mixtures with Water at Several Temperatures. Journal of Chemical & Engineering Data, 2006, 51, 696-701.	1.0	288
67	Physical Properties of the Ternary Mixture Ethanol+Water+1-Butyl-3-Methylimidazolium Chloride at 298.15 K. Journal of Solution Chemistry, 2006, 35, 1217-1225.	0.6	34
68	Dynamic Viscosities of the Binary Systems Cyclohexane and Cyclopentane with Acetone, Butanone, or 2-Pentanone at Three Temperatures $T = (293.15, 298.15, \text{ and } 303.15) \text{ K}$ . Journal of Chemical & Engineering Data, 2005, 50, 1462-1469.	1.0	35
69	Dynamic Viscosities of KI or NH4I in Methanol and NH4I in Ethanol at Several Temperatures and 0.1 MPa. Journal of Chemical & Engineering Data, 2005, 50, 109-112.	1.0	5
70	Dynamic viscosities of 2-butanol with alkanes (C8, C10, and C12) at several temperatures. Journal of Chemical Thermodynamics, 2004, 36, 267-275.	1.0	56
71	Dynamic Viscosities of 2-Pentanol with Alkanes (Octane, Decane, and Dodecane) at Three Temperatures $T = (293.15, 298.15, \text{ and } 303.15) \text{ K}$ . New UNIFAC-VISCO Interaction Parameters. Journal of Chemical & Engineering Data, 2004, 49, 1225-1230.	1.0	58
72	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 $T = (293.15, 298.15, \text{ and } 303.15) \text{ K}$ at Atmospheric Pressure. Journal of Chemical & Engineering Data, 2004, 49, 1590-1596.	1.0	150

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73	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. Journal of Chemical Thermodynamics, 2003, 35, 939-953.	1.0	88