

# Beatriz Giner

## List of Publications by Citations

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89  
papers

1,913  
citations

26  
h-index

37  
g-index

97  
ext. papers

2,137  
ext. citations

3.7  
avg, IF

4.87  
L-index

#	Paper	IF	Citations
89	Physicochemical properties of green solvents derived from biomass. <i>Green Chemistry</i> , <b>2011</b> , 13, 2062	10	121
88	Thermophysic comparative study of two isomeric pyridinium-based ionic liquids. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 3077-84	3.4	80
87	Study of weak molecular interactions through thermodynamic mixing properties. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 17683-90	3.4	69
86	Surface tensions for isomeric chlorobutanes with isomeric butanols. <i>Journal of Colloid and Interface Science</i> , <b>2004</b> , 275, 284-9	9.3	67
85	Thermophysical characterization of the deep eutectic solvent choline chloride:ethylene glycol and one of its mixtures with water. <i>Fluid Phase Equilibria</i> , <b>2019</b> , 492, 1-9	2.5	61
84	The NADES glyceline as a potential Green Solvent: A comprehensive study of its thermophysical properties and effect of water inclusion. <i>Journal of Chemical Thermodynamics</i> , <b>2019</b> , 128, 164-172	2.9	57
83	Physicochemical characterization of n-butyl-3-methylpyridinium dicyanamide [corrected] ionic liquid. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 12461-7	3.4	45
82	Volumetric and refractive properties of binary mixtures containing 1,4-dioxane and chloroalkanes. <i>Journal of Chemical Thermodynamics</i> , <b>2007</b> , 39, 148-157	2.9	44
81	Excess thermodynamic properties of isomeric butanols with 2-methyl-tetrahydrofuran. <i>Journal of Molecular Liquids</i> , <b>2003</b> , 108, 303-311	6	43
80	PIII Behavior of Several Chemicals from Biomass. <i>Energy &amp; Fuels</i> , <b>2011</b> , 25, 3009-3013	4.1	40
79	Thermophysical Properties of Three Compounds from the Acrylate Family. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2013</b> , 58, 1193-1202	2.8	39
78	Study of the Surface Tensions of Cyclohexane or Methylcyclohexane with Some Cyclic Ethers. <i>Journal of Solution Chemistry</i> , <b>2005</b> , 34, 185-198	1.8	39
77	Aggregation Behavior of Pyridinium-Based Ionic Liquids in Aqueous Solution. <i>Journal of Solution Chemistry</i> , <b>2009</b> , 38, 1622-1634	1.8	38
76	Speeds of Sound and Isentropic Compressibilities of Binary Mixtures Containing Cyclic Ethers and Haloalkanes at 298.15 and 313.15 K. <i>International Journal of Thermophysics</i> , <b>2004</b> , 25, 1735-1746	2.1	38
75	Thermophysical Properties of N-Octyl-3-methylpyridinium Tetrafluoroborate. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2009</b> , 54, 236-240	2.8	36
74	Study of the Surface Tension of Chlorocyclohexane or Bromocyclohexane with Some Cyclic Ethers. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2005</b> , 50, 1334-1337	2.8	35
73	Refractive indices and molar refractions for isomeric chlorobutanes with isomeric butanols. <i>Physics and Chemistry of Liquids</i> , <b>2005</b> , 43, 13-23	1.5	35

72	Viscosities of Binary Mixtures of Isomeric Butanols or Isomeric Chlorobutanes with 2-Methyltetrahydrofuran. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2003</b> , 48, 1296-1300	2.8	33
71	Thermophysical study of methyl levulinate. <i>Journal of Chemical Thermodynamics</i> , <b>2013</b> , 65, 34-41	2.9	31
70	Volumetric and refractive properties of binary mixtures containing 1,3-dioxolane and isomeric chlorobutanes. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2006</b> , 83, 735-745	4.1	31
69	Densities and Viscosities of the Binary Mixtures of Tetrahydrofuran with Isomeric Chlorobutanes at 298.15 K and 313.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2006</b> , 51, 1321-1325	2.8	30
68	Thermophysical properties of lactates. <i>Thermochimica Acta</i> , <b>2014</b> , 575, 305-312	2.9	29
67	Study of the Temperature Dependence of Surface Tensions of Some Alkanol + Hexane Mixtures. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2007</b> , 52, 1904-1907	2.8	29
66	Ecotoxicity and QSAR studies of glycerol ethers in <i>Daphnia magna</i> . <i>Chemosphere</i> , <b>2017</b> , 183, 277-285	8.4	28
65	Proton sponge and fatty acid interactions at the air-water interface. Thermodynamic, spectroscopic, and microscopic study. <i>Langmuir</i> , <b>2005</b> , 21, 2796-803	4	28
64	A comprehensive study of the thermophysical properties of relene and hydrated relene. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 303, 112679	6	27
63	Ecotoxicity studies of glycerol ethers in <i>Vibrio fischeri</i> : checking the environmental impact of glycerol-derived solvents. <i>Green Chemistry</i> , <b>2015</b> , 17, 4326-4333	10	26
62	Viscosities of binary mixtures of 1,3-dioxolane or 1,4-dioxane with isomeric chlorobutanes. <i>Journal of Molecular Liquids</i> , <b>2006</b> , 129, 176-180	6	26
61	Thermophysical study of the furan family. <i>Thermochimica Acta</i> , <b>2015</b> , 617, 54-64	2.9	24
60	Thermophysical study of 1,4-dioxane with cycloalkane mixtures. <i>Journal of Chemical Thermodynamics</i> , <b>2006</b> , 38, 871-878	2.9	24
59	Isentropic and Excess Isentropic Compressibilities of Binary Mixtures Containing Cyclic Ethers and Chloroalkanes. <i>Journal of Solution Chemistry</i> , <b>2007</b> , 36, 375-386	1.8	23
58	Surface behavior of the 1-bromobutane with isomeric butanol mixtures. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 23096-102	3.4	23
57	Thermophysical properties of the binary mixtures of 2-methyl-tetrahydrofuran with benzene and halobenzenes. <i>Thermochimica Acta</i> , <b>2005</b> , 439, 1-7	2.9	23
56	Surface study of binary mixtures containing chlorinated and oxygenated compounds. <i>Journal of Molecular Liquids</i> , <b>2013</b> , 181, 1-7	6	22
55	Ecotoxicity studies of the levulinate ester series. <i>Ecotoxicology</i> , <b>2014</b> , 23, 1484-93	2.9	20

54	Isothermal vapour-liquid equilibrium for cyclic ethers with 1-chloropentane. <i>Fluid Phase Equilibria</i> , <b>2007</b> , 251, 8-16	2.5	20
53	Thermophysical Properties of Mixtures of Tetrahydropyran with Chlorobutanes. <i>International Journal of Thermophysics</i> , <b>2006</b> , 27, 1406-1418	2.1	19
52	Solvents derived from biomass and their potential as green solvents. <i>Current Opinion in Green and Sustainable Chemistry</i> , <b>2019</b> , 18, 51-56	7.9	19
51	Isomerization Behavior of an Azopolymer in Terms of the Langmuir-Blodgett Film Thickness and the Transference Surface Pressure. <i>Macromolecules</i> , <b>2007</b> , 40, 2058-2069	5.5	18
50	Vapour-liquid equilibrium and volumetric measurements for binary mixtures of 1,3-Dioxolane with Isomeric chlorobutanes. <i>Physics and Chemistry of Liquids</i> , <b>2004</b> , 42, 173-183	1.5	17
49	Excess properties of the ternary system (hexane + 1,3-dioxolane + 1-butanol) at 298.15 and 313.15 K. <i>Fluid Phase Equilibria</i> , <b>2003</b> , 211, 61-73	2.5	17
48	Experimental values and ERAS model calculations for excess molar volumes and enthalpies of the ternary system 2-butanol + 1,3-dioxolane + cyclohexane. <i>Canadian Journal of Chemistry</i> , <b>2003</b> , 81, 357-363	0.9	17
47	Comparative ecotoxicology study of two neoteric solvents: Imidazolium ionic liquid vs. glycerol derivative. <i>Ecotoxicology and Environmental Safety</i> , <b>2016</b> , 132, 429-34	7	17
46	Surface and bulk behaviour of some (n-hexane+chloroalkane) mixtures. <i>Journal of Chemical Thermodynamics</i> , <b>2009</b> , 41, 553-559	2.9	16
45	Phase equilibrium of binary mixtures of cyclic ethers + chlorobutane isomers: experimental measurements and SAFT-VR modeling. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 9588-97	3.4	16
44	Surface Tension of Mixtures of Tetrahydrofuran or Tetrahydropyran with Isomeric Chlorobutanes. <i>International Journal of Thermophysics</i> , <b>2007</b> , 28, 1188-1198	2.1	16
43	Refractive indices and molar refractions of binary mixtures formed by some cyclic ethers and isomeric chlorobutanes. <i>Physics and Chemistry of Liquids</i> , <b>2007</b> , 45, 503-513	1.5	16
42	Thermophysical Properties of Furfural Compounds. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2014</b> , 59, 329-338	2.8	15
41	Thermodynamic properties of tetrahydrofuran or tetrahydropyran with 1-chlorohexane. <i>Journal of Molecular Liquids</i> , <b>2008</b> , 139, 138-142	6	15
40	Ecotoxicity and biodegradability of pure and aqueous mixtures of deep eutectic solvents: glyceline, ethaline, and reline. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 8812-8821	5.1	15
39	Intermolecular potential model parameters for cyclic ethers and chloroalkanes in the SAFT-VR approach. <i>Fluid Phase Equilibria</i> , <b>2007</b> , 255, 200-206	2.5	14
38	Study of tetrahydropyran-chlorobutane VLE using the $\lambda$ and $\mu$ approaches. <i>Fluid Phase Equilibria</i> , <b>2005</b> , 232, 50-56	2.5	14
37	Experimental data of isobaric vapour-liquid equilibrium for binary mixtures containing tetrahydrofuran and isomeric chlorobutanes. <i>Physics and Chemistry of Liquids</i> , <b>2005</b> , 43, 299-307	1.5	14

36	Surface study of mixtures containing cyclic ethers and isomeric chlorobutanes. <i>Journal of Chemical Thermodynamics</i> , <b>2007</b> , 39, 791-797	2.9	13
35	Experimental and Predicted Vapor-Liquid Equilibrium for Cyclic Ethers with 1-Chloropentane. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2005</b> , 44, 6981-6988	3.9	13
34	Self-aggregation of liquids from biomass in aqueous solution. <i>Journal of Chemical Thermodynamics</i> , <b>2013</b> , 66, 131-136	2.9	11
33	Comparative ecotoxicity study of glycerol-biobased solvents. <i>Environmental Chemistry</i> , <b>2017</b> , 14, 370	3.2	11
32	The p <sup>o</sup> behaviour of the lactate family. <i>Journal of Chemical Thermodynamics</i> , <b>2013</b> , 58, 8-13	2.9	11
31	Temperature dependence of surface tension of 2-methyl-1-propanol and 2-methyl-2-propanol+n-hexane mixtures. <i>Physics and Chemistry of Liquids</i> , <b>2008</b> , 46, 643-652	1.5	11
30	QSAR study for predicting the ecotoxicity of NADES towards <i>Aliivibrio fischeri</i> . Exploring the use of mixing rules. <i>Ecotoxicology and Environmental Safety</i> , <b>2020</b> , 191, 110004	7	11
29	Acute and subacute effects of drugs in embryos of <i>Danio rerio</i> . QSAR grouping and modelling. <i>Ecotoxicology and Environmental Safety</i> , <b>2019</b> , 172, 232-239	7	10
28	Experimental and predicted vapour-liquid equilibrium of 1,4-dioxane with cycloalkanes and benzene. <i>Fluid Phase Equilibria</i> , <b>2005</b> , 238, 1-6	2.5	10
27	Assessing awareness of green chemistry as a tool for advancing sustainability. <i>Journal of Cleaner Production</i> , <b>2020</b> , 256, 120392	10.3	9
26	Vapour-liquid equilibrium of cyclic ethers with 1-chlorohexane: Experimental results and UNIFAC predictions. <i>Fluid Phase Equilibria</i> , <b>2007</b> , 257, 70-77	2.5	9
25	Phase equilibrium of liquid mixtures: experimental and modeled data using statistical associating fluid theory for potential of variable range approach. <i>Journal of Chemical Physics</i> , <b>2007</b> , 127, 144513	3.9	9
24	Is Green Chemistry a feasible tool for the implementation of a circular economy?. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 6215-6227	5.1	9
23	Ecotoxicity in <i>Aliivibrio fischeri</i> of Ibuprofen, Omeprazole and their Mixtures. <i>Chemistry and Ecology</i> , <b>2019</b> , 35, 102-114	2.3	9
22	Exploring the usefulness of key green physicochemical properties: Quantitative structure-activity relationship for solvents from biomass. <i>Environmental Toxicology and Chemistry</i> , <b>2018</b> , 37, 1014-1023	3.8	8
21	Deep Eutectic Solvents: Are They Safe?. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 10061	2.6	8
20	Thermophysical properties of the thiophene family. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2016</b> , 125, 509-518	4.1	7
19	Thermophysical study of the binary mixtures of N,N-dimethylacetamide with 2-propanol and 2-butanol. <i>Thermochimica Acta</i> , <b>2017</b> , 655, 169-175	2.9	7

18	Phase equilibrium and thermophysical properties of mixtures containing a cyclic ether and 1-chloropropane. <i>Fluid Phase Equilibria</i> , <b>2010</b> , 295, 130-136	2.5	7
17	QSAR modelling for predicting the toxic effects of traditional and derived biomass solvents on a Danio rerio biomodel. <i>Chemosphere</i> , <b>2019</b> , 227, 480-488	8.4	6
16	Toxicological study of some ionic liquids. <i>Green Processing and Synthesis</i> , <b>2018</b> , 7, 287-295	3.9	6
15	Isothermal (vapour + liquid) equilibrium of (cyclic ethers + chlorohexane) mixtures: Experimental results and SAFT modelling. <i>Journal of Chemical Thermodynamics</i> , <b>2008</b> , 40, 1253-1260	2.9	6
14	Isobaric vapour-liquid equilibrium for the binary systems formed by a cyclic ether and bromocyclohexane at 40.0 and 101.3 kPa. <i>Physics and Chemistry of Liquids</i> , <b>2006</b> , 44, 275-285	1.5	6
13	Ecotoxicological study of six drugs in <i>Aliivibrio fischeri</i> , <i>Daphnia magna</i> and <i>Raphidocelis subcapitata</i> . <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 9891-9900	5.1	5
12	Comparative Study of the Thermophysical Properties of 2-Ethylthiophene and 2-Ethylfuran. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2018</b> , 63, 3274-3284	2.8	5
11	Aggregation behaviour of betablocker drugs in aqueous media. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 4141-4146	3.6	5
10	Acute lethal and sublethal effects of diltiazem and doxepin for four aquatic environmental bioindicators covering the trophic chain. <i>AIMS Environmental Science</i> , <b>2018</b> , 5, 229-243	1.9	5
9	Phase Equilibrium of Binary Mixtures of n-Hexane + Branched Chlorobutanes: Experimental Results and Group Contribution Predictions. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2014</b> , 59, 3017-3024	2.8	4
8	Optical and diffractive studies of pyridinium-based ionic liquids. <i>Physics and Chemistry of Liquids</i> , <b>2011</b> , 49, 192-205	1.5	4
7	Green Chemistry and Environmental Management Systems: Relationships, Synergies, Advantages and Barriers of Joint Implementation at Universities. <i>Environmental Management</i> , <b>2019</b> , 64, 783-793	3.1	4
6	Densities at high pressures and derived properties of thiophenes. <i>Journal of Chemical Thermodynamics</i> , <b>2017</b> , 109, 16-22	2.9	3
5	Ionic Liquids in Agrochemistry. <i>Current Organic Chemistry</i> , <b>2020</b> , 24, 1181-1195	1.7	3
4	Ecotoxicity interspecies study of ionic liquids based on phosphonium and ammonium cations. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 65374-65384	5.1	3
3	Applications of Deep Eutectic Solvents Related to Health, Synthesis, and Extraction of Natural Based Chemicals. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 10156	2.6	2
2	Synthesis and Ecotoxicological Studies of Ionic Compounds Based on Tolperisone, Diphenhydramine and Trimecaine. <i>ChemistrySelect</i> , <b>2020</b> , 5, 12823-12828	1.8	1
1	Thermophysical characterization of choline chloride: Resorcinol and its mixtures with water. <i>Fluid Phase Equilibria</i> , <b>2022</b> , 557, 113435	2.5	0

