

# Vicenta González-Alfaro

## List of Publications by Year in descending order

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28  
papers

933  
citations

516215

16  
h-index

500791

28  
g-index

28  
all docs

28  
docs citations

28  
times ranked

834  
citing authors

#	ARTICLE	IF	CITATIONS
1	Decalin and Tetralin as Probe Molecules for Cracking and Hydrotreating the Light Cycle Oil. <i>Journal of Catalysis</i> , 2001, 200, 34-44.	3.1	171
2	Volumetric properties, viscosities and refractive indices of binary liquid mixtures of tetrafluoroborate-based ionic liquids with methanol at several temperatures. <i>Journal of Chemical Thermodynamics</i> , 2015, 90, 174-184.	1.0	77
3	Catalytic cracking of alkanes on MCM-22 zeolite. Comparison with ZSM-5 and beta zeolite and its possibility as an FCC cracking additive. <i>Applied Catalysis A: General</i> , 1995, 129, 203-215.	2.2	74
4	Density, Speed of Sound, and Refractive Index of 1-Ethyl-3-methylimidazolium Trifluoromethanesulfonate with Acetone, Methyl Acetate, and Ethyl Acetate at Temperatures from (278.15 to 328.15) K. <i>Journal of Chemical &amp; Engineering Data</i> , 2010, 55, 1377-1388.	1.0	71
5	Size-activity relationship of iridium particles supported on silica for the total oxidation of volatile organic compounds (VOCs). <i>Chemical Engineering Journal</i> , 2019, 366, 100-111.	6.6	56
6	1-Ethyl-3-methylimidazolium Dicyanamide as a Very Efficient Entrainer for the Extractive Distillation of the Acetone + Methanol System. <i>Journal of Chemical &amp; Engineering Data</i> , 2012, 57, 394-399.	1.0	49
7	Isobaric Vapor-Liquid Equilibria of 1-Propanol + Water + Trifluoromethanesulfonate-Based Ionic Liquid Ternary Systems at 100 kPa. <i>Journal of Chemical &amp; Engineering Data</i> , 2011, 56, 4454-4460.	1.0	41
8	Refractive Indices and Deviations in Refractive Indices of Trifluoromethanesulfonate-Based Ionic Liquids in Water. <i>Journal of Chemical &amp; Engineering Data</i> , 2011, 56, 4499-4504.	1.0	41
9	Isobaric Vapor-Liquid Equilibria for Binary Systems Composed of Octane, Decane, and Dodecane at 20 kPa. <i>Journal of Chemical &amp; Engineering Data</i> , 1996, 41, 93-96.	1.0	38
10	Isobaric vapor-liquid equilibria for the extractive distillation of 2-propanol + water mixtures using 1-ethyl-3-methylimidazolium dicyanamide ionic liquid. <i>Journal of Chemical Thermodynamics</i> , 2017, 110, 16-24.	1.0	37
11	Isobaric vapor-liquid equilibria for acetone+methanol+lithium nitrate at 100kPa. <i>Fluid Phase Equilibria</i> , 2006, 250, 131-137.	1.4	32
12	Ultrasonic and Volumetric Properties of 1-Ethyl-3-methylimidazolium Trifluoromethanesulfonate Ionic Liquid with 2-Propanol or Tetrahydrofuran at Several Temperatures. <i>Journal of Chemical &amp; Engineering Data</i> , 2011, 56, 4633-4642.	1.0	30
13	Volumetric properties of binary mixtures of ionic liquid 1-butyl-3-methylimidazolium octylsulfate with water or propanol in the temperature range of 278.15K to 328.15K. <i>Journal of Chemical Thermodynamics</i> , 2006, 38, 1124-1129.	1.0	27
14	Refractive Indices and Deviations in Refractive Indices for Binary Mixtures of 1-Ethyl-3-methylimidazolium Trifluoromethanesulfonate with Methanol, Ethanol, 1-Propanol, and 2-Propanol at Several Temperatures. <i>Journal of Chemical &amp; Engineering Data</i> , 2010, 55, 1430-1433.	1.0	26
15	Isobaric Vapor-Liquid Equilibria of Trichloroethylene with 1-Propanol and 2-Propanol at 20 and 100 kPa. <i>Journal of Chemical &amp; Engineering Data</i> , 1995, 40, 332-335.	1.0	21
16	Isobaric vapor-liquid equilibrium of binary mixtures of 1-propanol + chlorobenzene and 2-propanol + chlorobenzene. <i>Fluid Phase Equilibria</i> , 1997, 134, 151-161.	1.4	18
17	Isobaric Vapor-Liquid Equilibria of Tetrachloroethylene + 1-Propanol and +2-Propanol at 20 and 100 kPa. <i>Journal of Chemical &amp; Engineering Data</i> , 1996, 41, 1361-1365.	1.0	16
18	Isobaric Vapor-Liquid Equilibria of Trichloroethylene with 1-Butanol and 2-Butanol at 20 and 100 kPa. <i>Journal of Chemical &amp; Engineering Data</i> , 1996, 41, 89-92.	1.0	15

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19	Isobaric Vapor-Liquid Equilibrium of Binary Mixtures of 1-Butanol + Chlorobenzene and 2-Butanol + Chlorobenzene at 20 and 100 kPa. Journal of Chemical & Engineering Data, 1997, 42, 374-378.	1.0	14
20	Thermophysical properties of binary mixtures of 1-butyl-1-methylpyrrolidinium trifluoromethanesulfonate ionic liquid with alcohols at several temperatures. Journal of Chemical Thermodynamics, 2018, 118, 292-301.	1.0	14
21	Isobaric vapor-liquid equilibria for the 1-propanol + water + 1-ethyl-3-methylimidazolium dicyanamide system at 100 kPa. Journal of Chemical Thermodynamics, 2017, 113, 116-123.	1.0	11
22	Supported iridium catalysts for the total oxidation of short chain alkanes and their mixtures: Influence of the support. Chemical Engineering Journal, 2021, 417, 127999.	6.6	11
23	Phase equilibria and variation of the azeotropic composition with pressure for binary mixtures of 1-propanol + chlorobenzene and 1-butanol + chlorobenzene. Fluid Phase Equilibria, 1998, 145, 287-299.	1.4	10
24	Isobaric vapor-liquid equilibria for 1-propanol+water+copper(II) chloride at 100kPa. Fluid Phase Equilibria, 2005, 227, 239-244.	1.4	10
25	Vapor-liquid equilibrium of binary mixtures of trichloroethylene with 1-pentanol, 2-methyl-1-butanol and 3-methyl-1-butanol at 100 kPa. Fluid Phase Equilibria, 1999, 155, 229-239.	1.4	9
26	Isobaric vapor-liquid equilibria for the extractive distillation of tert-butyl alcohol+water mixtures using 1-ethyl-3-methylimidazolium dicyanamide ionic liquid. Journal of Chemical Thermodynamics, 2019, 139, 105866.	1.0	7
27	Vapor-liquid equilibrium of binary mixtures of chlorobenzene with 3-methyl-1-butanol, 3-methyl-2-butanol and 2-methyl-2-butanol, at 100 kPa. Fluid Phase Equilibria, 1998, 153, 265-277.	1.4	4
28	Vapor-Liquid Equilibrium of Binary Mixtures of Tetrachloroethylene with 1-Pentanol, 3-Methyl-1-butanol, and 2-Methyl-1-butanol. Journal of Chemical & Engineering Data, 1999, 44, 286-290.	1.0	3