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List of Publications by Year in descending order

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48 papers	1,060 citations	393982 19 h-index	454577 30 g-index
50 all docs	50 docs citations	50 times ranked	761 citing authors

#	Article	IF	Citations
1	Density, Speed of Sound, Viscosity, and Excess Properties of Binary Mixtures Formed by Ethanol and Bis(trifluorosulfonyl)imide-Based Ionic Liquids. Journal of Chemical & Engineering Data, 2015, 60, 525-540.	1.0	88
2	Separation of di-n-propyl ether and n-propyl alcohol by extractive distillation and pressure-swing distillation: Computer simulation and economic optimization. Chemical Engineering and Processing: Process Intensification, 2011, 50, 1266-1274.	1.8	60
3	Effect of Aqueous Two-Phase System Constituents in Different Poly(ethylene glycol)â€“Salt Phase Diagrams. Journal of Chemical & Engineering Data, 2012, 57, 1203-1208.	1.0	53
4	Azeotropic distillation for 1-propanol dehydration with diisopropyl ether as entrainer: Equilibrium data and process simulation. Separation and Purification Technology, 2019, 212, 692-698.	3.9	48
5	Isobaric vapourâ€“liquid equilibria for binary systems of 2-butanone with ethanol, 1-propanol, and 2-propanol at 20 and 101.3kPa. Fluid Phase Equilibria, 2008, 270, 62-68.	1.4	40
6	Liquidâ€“liquid equilibria of 4-methyl-2-pentanone+1-propanol or 2-propanol+water ternary systems: Measurements and correlation at different temperatures. Fluid Phase Equilibria, 2014, 361, 23-29.	1.4	40
7	Liquidâ€“Liquid Equilibria of Water + Ethanol + 1-Butyl-3-methylimidazolium Bis(trifluoromethanesulfonyl)imide Ternary System: Measurements and Correlation at Different Temperatures. Journal of Chemical & Engineering Data, 2015, 60, 2426-2433.	1.0	40
8	Thermodynamic Analysis and Process Simulation of Ethanol Dehydration via Heterogeneous Azeotropic Distillation. Industrial & Engineering Chemistry Research, 2014, 53, 6084-6093.	1.8	38
9	Study of liquidâ€“liquid equilibrium of the systems isobutyl acetate+acetic acid+water and isobutyl alcohol+acetic acid+water at different temperatures. Fluid Phase Equilibria, 2008, 271, 76-81.	1.4	36
10	Effect of pressure and the capability of 2-methoxyethanol as a solvent in the behaviour of a diisopropyl etherâ€“isopropyl alcohol azeotropic mixture. Fluid Phase Equilibria, 2007, 262, 271-279.	1.4	34
11	Phase Equilibrium for the Esterification Reaction of Acetic Acid + Butan-1-ol at 101.3 kPa. Journal of Chemical & Engineering Data, 2008, 53, 108-115.	1.0	34
12	(Liquid+liquid) equilibria of polymer-salt aqueous two-phase systems for laccase partitioning: UCON 50-HB-5100 with potassium citrate and (sodium or potassium) formate at 23Â°C. Journal of Chemical Thermodynamics, 2012, 55, 166-171.	1.0	32
13	Measurements and correlation of liquidâ€“liquid equilibria of 4-methyl-2-pentanone+ethanol+water and 4-methyl-2-pentanone+n-butanol+water ternary systems between 283.2 and 323.2K. Fluid Phase Equilibria, 2012, 317, 89-95.	1.4	30
14	Study of liquidâ€“liquid equilibria at different temperatures of waterÂ+ÂethanolÂ+Â1-butyl-1-methylpyrrolidinium bis(trifluoromethylsulfonyl)imide ternary system. Fluid Phase Equilibria, 2016, 426, 3-9.	1.4	30
15	Phase equilibria for the ternary systems ethanol, water+ethylene glycol or+glycerol at 101.3kPa. Fluid Phase Equilibria, 2013, 341, 54-60.	1.4	28
16	Isobaric vaporâ€“liquid equilibria for the binary systems 1-propyl alcohol+dipropyl ether and 1-butyl alcohol+dibutyl ether at 20 and 101.3kPa. Fluid Phase Equilibria, 2006, 247, 47-53.	1.4	25
17	Isobaric (vapour+liquid+liquid) equilibrium data for (di-n-propyl ether+n-propyl alcohol+water) and (diisopropyl ether+isopropyl alcohol+water) systems at 100kPa. Journal of Chemical Thermodynamics, 2008, 40, 867-873.	1.0	24
18	Approach to the 1-propanol dehydration using an extractive distillation process with ethylene glycol. Chemical Engineering and Processing: Process Intensification, 2015, 91, 121-129.	1.8	22

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19	Phase equilibria involved in extractive distillation of dipropyl ether+1-propyl alcohol using 2-ethoxyethanol as entrainer. Fluid Phase Equilibria, 2007, 255, 62-69.	1.4	21
20	Isobaric vapourâ€“liquid equilibria for the binary systems 4-methyl-2-pentanone+1-butanol and+2-butanol at 20 and 101.3kPa. Fluid Phase Equilibria, 2009, 277, 49-54.	1.4	20
21	Density, Viscosity, and Sound Speed of Bis(trifluoromethylsulfonyl)imide-Based Ionic Liquids + 1-Propanol Mixtures. Journal of Chemical & Engineering Data, 2016, 61, 56-66.	1.0	19
22	Isobaric Vaporâ€“Liquidâ€“Liquid Equilibria for the Ternary Systems Ethanol + Water + Propyl Acetate and 1-Propanol + Water + Propyl acetate. Journal of Chemical & Engineering Data, 2014, 59, 2054-2064.	1.0	18
23	Liquidâ€“Liquid Equilibria of the Water + 1-Propanol + 1-Butyl-1-methylpyrrolidinium Bis(trifluoromethylsulfonyl)imide Ternary System: Study of the Ability of Ionic Liquid as a Solvent. Journal of Chemical & Engineering Data, 2016, 61, 4006-4012.	1.0	17
24	Isobaric vapor-liquid equilibria for extractive distillation of 1-propanol + water mixture using thiocyanate-based ionic liquids. Journal of Chemical Thermodynamics, 2017, 113, 219-228.	1.0	17
25	Vaporâ€“liquid equilibria in the ternary system dipropyl ether+1-propanol+1-pentanol and the binary systems dipropyl ether+1-pentanol, 1-propanol+1-pentanol at 101.3kPa. Fluid Phase Equilibria, 2006, 247, 175-181.	1.4	16
26	Effect of the reference solution in the measurement of ion activity coefficients using cells with transference at T=298.15K. Journal of Chemical Thermodynamics, 2010, 42, 244-250.	1.0	14
27	Liquidâˆ’Liquid and Vaporâˆ’Liquidâˆ’Liquid Equilibrium of the 4-Methyl-2-pentanone + 2-Butanol + Water System. Journal of Chemical & Engineering Data, 2011, 56, 1925-1932.	1.0	14
28	Evaluation of the 2-Methoxyethanol as Entrainer in Ethanolâ€“Water and 1-Propanolâ€“Water Mixtures. Journal of Chemical & Engineering Data, 2013, 58, 3504-3512.	1.0	14
29	Measurements and correlation at different temperatures of liquidâ€“liquid equilibria of 2-butanol or 2-methyl-2-butanol+1,2,3-propanetriol+water ternary systems. Fluid Phase Equilibria, 2014, 377, 38-44.	1.4	14
30	Isobaric Vaporâˆ’Liquid Equilibria for Binary and Ternary Mixtures of Diisopropyl Ether, 2-Propyl Alcohol, and 3-Methyl-1-Butanol. Journal of Chemical & Engineering Data, 2008, 53, 1897-1902.	1.0	13
31	Isobaric Vaporâˆ’Liquid Equilibria for Binary and Ternary Mixtures of Ethanol and 2-Propanol with 2-Butanone and Butyl Propionate at 101.3 kPa. Journal of Chemical & Engineering Data, 2010, 55, 798-803.	1.0	13
32	Experimental Determination and Correlation of Liquidâ€“Liquid Equilibria Data for a System of Water + Ethanol + 1-Butyl-3-methylimidazolium Hexafluorophosphate at Different Temperatures. Journal of Chemical & Engineering Data, 2017, 62, 773-779.	1.0	13
33	Capability study of 1-butyl-3- methylimidazolium bis(trifluoromethylsulfonyl)imide and trihexyl(tetradecyl)phosphonium bis(2,4,4-trimethylpentyl)phosphinate as solvents in the separation of 1-propanol from water. Fluid Phase Equilibria, 2018, 469, 1-8.	1.4	13
34	Liquidâˆ’Liquid and Vaporâˆ’Liquidâˆ’Liquid Equilibrium of the 2-Butanone + 2-Butanol + Water System. Journal of Chemical & Engineering Data, 2011, 56, 1755-1761.	1.0	12
35	Thermophysical Properties of Mixtures of 1-Ethyl-3-methylimidazolium Methylsulfate or 1-Ethyl-3-methylimidazolium Thiocyanate with Alcohols. Journal of Chemical & Engineering Data, 2021, 66, 968-978.	1.0	12
36	Isobaric Vaporâˆ’Liquid Equilibria for Binary and Ternary Mixtures of Dipropyl Ether, 1-Propyl Alcohol, and Butyl Propionate. Journal of Chemical & Engineering Data, 2006, 51, 2233-2238.	1.0	11

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37	Liquidâ€“liquid equilibria of the systems dipropyl ether+n-propanol+water and dipropyl ether+n-propanol+ethylene glycol at different temperatures. Fluid Phase Equilibria, 2007, 262, 76-81.	1.4	11
38	Liquidâ€“liquid equilibria of the systems isobutyl acetate+isobutyl alcohol+water and isobutyl acetate+isobutyl alcohol+glycerol at different temperatures. Fluid Phase Equilibria, 2008, 265, 122-128.	1.4	11
39	Liquidâ^'Liquid Equilibria for the System 1-Methyl Propyl Ethanoate (1) + Acetic Acid (2) + Water (3) at (283.15 and 323.15) K. Journal of Chemical & Engineering Data, 2010, 55, 523-525.	1.0	10
40	Phase Equilibria Involved in Extractive Distillation of Dipropyl Ether + 1-Propyl Alcohol UsingN,N-Dimethylformamide as Entrainer. Journal of Chemical & Engineering Data, 2007, 52, 532-537.	1.0	9
41	Phase Equilibria Involved in the Extractive Distillation of Cyclohexane + Cyclohexene Using Diethyl Carbonate as an Entrainer. Journal of Chemical & Engineering Data, 2011, 56, 4790-4796.	1.0	8
42	Optimization of rice straw pretreatment with 1-ethyl-3-methylimidazolium acetate by the response surface method. Biomass Conversion and Biorefinery, 2023, 13, 12057-12072.	2.9	8
43	Phase equilibrium for the systems diisopropyl ether, isopropyl alcohol+2,2,4-trimethylpentane and +n-heptane at 101.3kPa. Fluid Phase Equilibria, 2010, 289, 135-139.	1.4	7
44	Measurements and correlation of vapourâ€“liquid equilibria of 2-butanone and hydrocarbons binary systems at two different pressures. Fluid Phase Equilibria, 2011, 307, 24-29.	1.4	6
45	Isobaric Vaporâ^'Liquid Equilibria for Binary and Ternary Mixtures of Diisopropyl Ether, 2-Propyl Alcohol, and n-Butyl Propionate at 101.3 kPa. Journal of Chemical & Engineering Data, 2009, 54, 2991-2995.	1.0	5
46	Proposal of Isobutyl Alcohol as Entrainer To Separate Mixtures Formed by Ethanol and Water and 1-Propanol and Water. Journal of Chemical & Engineering Data, 2017, 62, 2697-2707.	1.0	5
47	Evaluation of Diethyl Carbonate and Methyl Isobutyl Ketone as Entrainers for the Separation of 1-Hexene and n-Hexane. Journal of Chemical & Engineering Data, 2017, 62, 1355-1364.	1.0	4
48	Answer to the Letter to the Editor by Dr. Sanjay Pralhad Shirsat concerning the article â€œSeparation of isobutyl alcohol and isobutyl acetate by extractive distillation and pressure-swing distillation: Simulation and optimizationâ€• Separation and Purification Technology, 2015, 154, 367.	3.9	0