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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

85 papers	2,042 citations	25 h-index	40 g-index
89 ext. papers	2,149 ext. citations	3.3 avg, IF	4.51 L-index

#	Paper	IF	Citations
85	Hydrocracking of Vacuum Gasoil on the Novel Mesoporous MCM-41 Aluminosilicate Catalyst. <i>Journal of Catalysis</i> , <b>1995</b> , 153, 25-31	7.3	334
84	Separation of isobutyl alcohol and isobutyl acetate by extractive distillation and pressure-swing distillation: Simulation and optimization. <i>Separation and Purification Technology</i> , <b>2006</b> , 50, 175-183	8.3	87
83	Catalytic activity of large-pore high Si/Al zeolites: Cracking of heptane on H-Beta and dealuminated HY zeolites. <i>Journal of Catalysis</i> , <b>1987</b> , 107, 288-295	7.3	69
82	High-pressure solubility data of system ethanol (1)+catechin (2)+CO <sub>2</sub> (3). <i>Journal of Supercritical Fluids</i> , <b>2001</b> , 20, 157-162	4.2	67
81	Separation of di-n-propyl ether and n-propyl alcohol by extractive distillation and pressure-swing distillation: Computer simulation and economic optimization. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2011</b> , 50, 1266-1274	3.7	53
80	Densities, Viscosities, and Refractive Indices of the Binary Systems Methyl tert-Butyl Ether + 2-Methylpentane, + 3-Methylpentane, + 2,3-Dimethylpentane, and + 2,2,4-Trimethylpentane at 298.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2000</b> , 45, 331-333	2.8	51
79	High-pressure solubility data of system ethanol (1)+epicatechin (2)+CO <sub>2</sub> (3). <i>Journal of Supercritical Fluids</i> , <b>2002</b> , 24, 103-109	4.2	46
78	On the Compensation Effect in Acid-Base Catalyzed Reactions on Zeolites. <i>Journal of Catalysis</i> , <b>1993</b> , 142, 97-109	7.3	44
77	Isobaric Vapor-Liquid Equilibria of the Water + 2-Propanol System at 30, 60, and 100 kPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1996</b> , 41, 608-611	2.8	39
76	Influence of the Structural Parameters of Y Zeolite on the Transalkylation of Alkylaromatics. <i>Journal of Catalysis</i> , <b>1993</b> , 140, 384-394	7.3	39
75	High-pressure solubility data of the system resveratrol (3)+ethanol (2)+CO <sub>2</sub> (1). <i>Journal of Supercritical Fluids</i> , <b>2001</b> , 19, 133-139	4.2	38
74	Liquid-Liquid equilibria of 4-methyl-2-pentanone+1-propanol or 2-propanol+water ternary systems: Measurements and correlation at different temperatures. <i>Fluid Phase Equilibria</i> , <b>2014</b> , 361, 23-29	2.5	37
73	Isobaric vapour-Liquid equilibria for binary systems of 2-butanone with ethanol, 1-propanol, and 2-propanol at 20 and 101.3 kPa. <i>Fluid Phase Equilibria</i> , <b>2008</b> , 270, 62-68	2.5	34
72	Effect of pressure and the capability of 2-methoxyethanol as a solvent in the behaviour of a diisopropyl ether-isopropyl alcohol azeotropic mixture. <i>Fluid Phase Equilibria</i> , <b>2007</b> , 262, 271-279	2.5	32
71	Isobaric vapor-Liquid equilibria for the binary systems isobutyl alcohol+isobutyl acetate and tert-butyl alcohol+tert-butyl acetate at 20 and 101.3kPa. <i>Fluid Phase Equilibria</i> , <b>2005</b> , 227, 19-25	2.5	32
70	Polyazeotropy in Associating Systems: The 2-Methylpropyl Ethanoate + Ethanoic Acid System. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1996</b> , 41, 1191-1195	2.8	32
69	Cracking of n-heptane on a hzsm-5 zeolite. The influence of acidity and pore structure. <i>Applied Catalysis</i> , <b>1985</b> , 16, 59-74		32

68	Azeotropic distillation for 1-propanol dehydration with diisopropyl ether as entrainer: Equilibrium data and process simulation. <i>Separation and Purification Technology</i> , <b>2019</b> , 212, 692-698	8.3	32
67	Thermodynamic Analysis and Process Simulation of Ethanol Dehydration via Heterogeneous Azeotropic Distillation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 6084-6093	3.9	31
66	Phase Equilibrium for the Esterification Reaction of Acetic Acid + Butan-1-ol at 101.3 kPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2008</b> , 53, 108-115	2.8	29
65	Catalytic cracking of alkanes on large pore, high SiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> zeolites in the presence of basic nitrogen compounds. Influence of catalyst structure and composition in the activity and selectivity. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>1987</b> , 26, 882-886	3.9	29
64	Measurements and correlation of liquid-liquid equilibria of 4-methyl-2-pentanone + ethanol + water and 4-methyl-2-pentanone + n-butanol + water ternary systems between 283.2 and 323.2 K. <i>Fluid Phase Equilibria</i> , <b>2012</b> , 317, 89-95	2.5	27
63	Isobaric Vapor-Liquid Equilibria of the Water + 1-Propanol System at 30, 60, and 100 kPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1996</b> , 41, 1176-1180	2.8	27
62	Phase equilibria for the ternary systems ethanol, water + ethylene glycol or + glycerol at 101.3 kPa. <i>Fluid Phase Equilibria</i> , <b>2013</b> , 341, 54-60	2.5	26
61	Densities, refractive indices, and derived excess properties of the binary systems tert-butyl alcohol+toluene, +methylcyclohexane, and +isooctane and toluene+methylcyclohexane, and the ternary system tert-butyl alcohol+toluene+methylcyclohexane at 298.15 K. <i>Fluid Phase Equilibria</i> , <b>1999</b> , 166, 53-65	2.5	26
60	Double Azeotropy in the Benzene + Hexafluorobenzene System. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1996</b> , 41, 21-24	2.8	25
59	Isobaric vapor-liquid equilibria for the binary systems 1-propyl alcohol+dipropyl ether and 1-butyl alcohol+dibutyl ether at 20 and 101.3kPa. <i>Fluid Phase Equilibria</i> , <b>2006</b> , 247, 47-53	2.5	24
58	Comparison of models in heterogeneous catalysis for ideal and non-ideal surfaces. <i>Chemical Engineering Science</i> , <b>1988</b> , 43, 785-792	4.4	23
57	Solubilities of Essential Oil Components of Orange in Supercritical Carbon Dioxide. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2000</b> , 45, 724-727	2.8	22
56	Structural and cracking properties of REHY zeolites. Activity, selectivity, and catalyst-decay optimization for n-heptane cracking. <i>Industrial &amp; Engineering Chemistry Product Research and Development</i> , <b>1986</b> , 25, 231-238		22
55	Isobaric (vapour + liquid + liquid) equilibrium data for (di-n-propyl ether + n-propyl alcohol + water) and (diisopropyl ether + isopropyl alcohol + water) systems at 100 kPa. <i>Journal of Chemical Thermodynamics</i> , <b>2008</b> , 40, 867-873	2.9	21
54	Isobaric vapour-liquid equilibria for the binary systems 4-methyl-2-pentanone + 1-butanol and + 2-butanol at 20 and 101.3 kPa. <i>Fluid Phase Equilibria</i> , <b>2009</b> , 277, 49-54	2.5	19
53	Phase equilibria involved in extractive distillation of dipropyl ether+1-propyl alcohol using 2-ethoxyethanol as entrainer. <i>Fluid Phase Equilibria</i> , <b>2007</b> , 255, 62-69	2.5	19
52	Measurement and correlation of liquid-liquid equilibria at different temperatures in water-1-propanol-1-ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide or 1-hexyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide ternary systems. <i>Fluid Phase Equilibria</i> , <b>2016</b> , 429, 76-83	2.5	19
51	Approach to the 1-propanol dehydration using an extractive distillation process with ethylene glycol. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2015</b> , 91, 121-129	3.7	18

50	Vapor-Liquid Equilibria for the Binary Systems tert-Butyl Alcohol + Toluene, + Isooctane, and + Methylcyclohexane at 101.3 kPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1999</b> , 44, 148-151	2.8	18
49	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> , <b>1995</b> , 40, 332-335	2.8	18
48	Vapor-Liquid Equilibria for the Binary Systems of Methylcyclohexane with 1-Propanol, 2-Propanol, 1-Butanol, and 2-Butanol at 101.3 kPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1997</b> , 42, 914-918	2.8	17
47	Phase equilibria in the systems isobutyl alcohol+N,N-dimethylformamide, isobutyl acetate+N,N-dimethylformamide and isobutyl alcohol+isobutyl acetate+N,N-dimethylformamide at 101.3kPa. <i>Fluid Phase Equilibria</i> , <b>2005</b> , 232, 62-69	2.5	17
46	Vapor-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. <i>Fluid Phase Equilibria</i> , <b>2006</b> , 247, 175-181	2.5	16
45	Densities, Refractive Indices, and Derived Excess Properties of the Binary Systems Toluene + Isooctane and Methylcyclohexane + Isooctane and the Ternary Systems tert-Butyl Alcohol + Toluene + Isooctane and tert-Butyl Alcohol + Methylcyclohexane + Isooctane at 298.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2000</b> , 45, 518-522	2.8	16
44	High Pressure Solubility Data of the System Limonene + Linalool + CO <sub>2</sub> . <i>Journal of Chemical &amp; Engineering Data</i> , <b>2001</b> , 46, 1145-1148	2.8	16
43	Phase Equilibria for 1,1,1,2,3,4,4,5,5,5-Decafluoropentane + 2-Methylfuran, 2-Methylfuran + Oxolane, and 1,1,1,2,3,4,4,5,5,5-Decafluoropentane + 2-Methylfuran + Oxolane at 35 kPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2002</b> , 47, 1256-1262	2.8	15
42	Polyazeotropy in Binary Systems. 2. Association Effects. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>1996</b> , 35, 4194-4202	3.9	15
41	Vapor-Liquid Equilibria for Systems of 1-Butanol with 2-Methyl-1-butanol, 3-Methyl-1-butanol, 2-Methyl-2-butanol, and 3-Methyl-2-butanol at 30 and 100 kPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1994</b> , 39, 271-274	2.8	15
40	Influence of acid strength distribution on the cracking selectivity of zeolite Y catalysts. <i>Industrial &amp; Engineering Chemistry Product Research and Development</i> , <b>1984</b> , 23, 404-409		15
39	Isobaric Vapor-Liquid-Liquid Equilibria for the Ternary Systems Ethanol + Water + Propyl Acetate and 1-Propanol + Water + Propyl acetate. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2014</b> , 59, 2054-2064	2.8	14
38	Liquid-Liquid and Vapor-Liquid-Liquid Equilibrium of the 4-Methyl-2-pentanone + 2-Butanol + Water System. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2011</b> , 56, 1925-1932	2.8	13
37	Isobaric Vapor-Liquid Equilibria for the Binary System 3-Methylpentane + Ethanol and for the Ternary System 2-Methyl-2-propanol + Ethanol + 3-Methylpentane at 101.3 kPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2000</b> , 45, 882-886	2.8	13
36	Vapor-Liquid Equilibria for the Binary Systems Isobutanol with m-Xylene, o-Xylene and p-Xylene at 101.3 kPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1999</b> , 44, 869-872	2.8	13
35	Isobaric Vapor-Liquid Equilibria for Binary and Ternary Mixtures of Diisopropyl Ether, 2-Propyl Alcohol, and 3-Methyl-1-Butanol. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2008</b> , 53, 1897-1902	2.8	12
34	Vapor-Liquid equilibria in the ternary system isobutyl alcohol + isobutyl acetate + butyl propionate and the binary systems isobutyl alcohol + butyl propionate, isobutyl acetate + butyl propionate at 101.3 kPa. <i>Fluid Phase Equilibria</i> , <b>2005</b> , 238, 65-71	2.5	12
33	Polyazeotropic Behavior in the Binary System 1,1,1,2,3,4,4,5,5,5-Decafluoropentane + Oxolane. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2001</b> , 46, 1351-1356	2.8	12

32	Vapor-Liquid Equilibria for the Binary Systems Isobutyl Alcohol + Toluene, + Isooctane, and + Methylcyclohexane at 101.3 kPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1999</b> , 44, 608-612	2.8	12
31	Isothermal Vapor-Liquid Equilibria of 1-Pentanol with 2-Methyl-1-butanol, 2-Methyl-2-butanol, and 3-Methyl-2-butanol. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1994</b> , 39, 578-580	2.8	12
30	Influence of the process variables on the product distribution and catalyst decay during cracking of paraffins. <i>Applied Catalysis</i> , <b>1986</b> , 23, 255-269		12
29	Evaluation of the 2-Methoxyethanol as Entrainer in Ethanol-Water and 1-Propanol-Water Mixtures. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2013</b> , 58, 3504-3512	2.8	11
28	Isobaric Vapor-Liquid Equilibria for Binary and Ternary Mixtures of Ethanol and 2-Propanol with 2-Butanone and Butyl Propionate at 101.3 kPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2010</b> , 55, 798-803	2.8	11
27	Liquid-Liquid and Vapor-Liquid-Liquid Equilibrium of the 2-Butanone + 2-Butanol + Water System. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2011</b> , 56, 1755-1761	2.8	11
26	Nonazeotropy in the System Methyl Ethanoate + 1,2-Epoxybutane. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1997</b> , 42, 1195-1200	2.8	11
25	Liquid-Liquid equilibria of the systems dipropyl ether+n-propanol+water and dipropyl ether+n-propanol+ethylene glycol at different temperatures. <i>Fluid Phase Equilibria</i> , <b>2007</b> , 262, 76-81	2.5	11
24	Liquid-Liquid equilibria of the systems isobutyl acetate+isobutyl alcohol+water and isobutyl acetate+isobutyl alcohol+glycerol at different temperatures. <i>Fluid Phase Equilibria</i> , <b>2008</b> , 265, 122-128	2.5	11
23	Isobaric Vapor-Liquid Equilibria for Binary and Ternary Mixtures of Dipropyl Ether, 1-Propyl Alcohol, and Butyl Propionate. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2006</b> , 51, 2233-2238	2.8	11
22	Phase equilibria in the ternary system isobutyl alcohol+isobutyl acetate+1-hexanol and the binary systems isobutyl alcohol+1-hexanol, isobutyl acetate+1-hexanol at 101.3kPa. <i>Fluid Phase Equilibria</i> , <b>2005</b> , 235, 64-71	2.5	11
21	Isobaric vapor-liquid equilibria of ethylbenzene + m-xylene and ethylbenzene + o-xylene systems at 6.66 and 26.66 kPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1994</b> , 39, 50-52	2.8	11
20	Comparison of the activity, selectivity and decay properties of lay and hyultrastable zeolites during the cracking of alkanes. <i>Applied Catalysis</i> , <b>1984</b> , 12, 105-116		11
19	On the Mechanism of Xylene Isomerization and its Limitations as Reaction Test for Solid Acid Catalysts. <i>Studies in Surface Science and Catalysis</i> , <b>1993</b> , 75, 1145-1157	1.8	10
18	Experimental Determination and Correlation of Liquid-Liquid Equilibria Data for a System of Water + Ethanol + 1-Butyl-3-methylimidazolium Hexafluorophosphate at Different Temperatures. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2017</b> , 62, 773-779	2.8	9
17	Phase Equilibria Involved in Extractive Distillation of Dipropyl Ether + 1-Propyl Alcohol Using N,N-Dimethylformamide as Entrainer. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2007</b> , 52, 532-537	2.8	9
16	Isobaric Vapor-Liquid Equilibrium in the Systems 2,3-Dimethylpentane + Methyl 1,1-Dimethylethyl Ether, + Diisopropyl Ether and + Methyl 1,1-Dimethylpropyl Ether. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1999</b> , 44, 1158-1162	2.8	9
15	Isobaric Vapor-Liquid Equilibria of 1-Butanol + N,N-Dimethylformamide and 1-Pentanol + N,N-Dimethylformamide Systems at 50.00 and 100.00 kPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1995</b> , 40, 589-592	2.8	9

14	Isobaric vapor-liquid equilibria of p-xylene + o-xylene and m-xylene + o-xylene systems at 6.66 and 26.66 kPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1994</b> , 39, 53-55	2.8	9
13	Isobaric vapor-liquid equilibrium data for the cyclohexanone + N-methylacetamide system. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1993</b> , 38, 160-162	2.8	8
12	Liquid-Liquid Equilibria for the System 1-Methyl Propyl Ethanoate (1) + Acetic Acid (2) + Water (3) at (283.15 and 323.15) K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2010</b> , 55, 523-525	2.8	7
11	Phase equilibrium for the systems diisopropyl ether, isopropyl alcohol+2,2,4-trimethylpentane and +n-heptane at 101.3kPa. <i>Fluid Phase Equilibria</i> , <b>2010</b> , 289, 135-139	2.5	7
10	Isobaric Vapor-Liquid Equilibria for Binary and Ternary Systems Composed of Water, 1-Propanol, and 2-Propanol at 100 kPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1996</b> , 41, 1379-1382	2.8	7
9	Study of separation of water + 2-propanol mixture using different ionic liquids: 1-Butyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide or 1-butyl-1-methylpyrrolidinium bis(trifluoromethylsulfonyl)imide. <i>Journal of Chemical Thermodynamics</i> , <b>2018</b> , 116, 32-41	2.9	6
8	Isobaric Vapor-Liquid Equilibria for the Binary System 3-Methylpentane + 2-Methyl-2-propanol and for the Ternary System Methyl 1,1-Dimethylethyl Ether + 3-Methylpentane + 2-Methyl-2-propanol at 101.3 kPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1999</b> , 44, 1386-1390	2.8	6
7	Measurements and correlation of vapour-liquid equilibria of 2-butanone and hydrocarbons binary systems at two different pressures. <i>Fluid Phase Equilibria</i> , <b>2011</b> , 307, 24-29	2.5	5
6	Isobaric Vapor-Liquid Equilibria for Binary and Ternary Mixtures of Diisopropyl Ether, 2-Propyl Alcohol, and n-Butyl Propionate at 101.3 kPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2009</b> , 54, 2991-2995	2.8	5
5	Vapor-Liquid Equilibria of the 1-Butanol + o-Chlorophenol System. Effects of Association in the Vapor Phase. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1995</b> , 40, 190-193	2.8	5
4	Reply to "Comments on A. Corma et al., "On the Compensation Effect in Acid-Base Catalyzed-Reactions on Zeolites?". <i>Journal of Catalysis</i> , <b>1994</b> , 148, 415-416	7.3	4
3	Isobaric Vapor-Liquid Equilibria for Binary and Ternary Systems Composed of 1,4-Dimethylbenzene, 1,3-Dimethylbenzene, and 1,2-Dimethylbenzene at 6.66 and 26.66 kPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1994</b> , 39, 643-646	2.8	3
2	Proposal of Isobutyl Alcohol as Entrainer To Separate Mixtures Formed by Ethanol and Water and 1-Propanol and Water. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2017</b> , 62, 2697-2707	2.8	2
1	Answer to the Letter to the Editor by Dr. Sanjay Pralhad Shirsat concerning the article Separation of isobutyl alcohol and isobutyl acetate by extractive distillation and pressure-swing distillation: Simulation and optimization <i>Separation and Purification Technology</i> , <b>2015</b> , 154, 367	8.3	