

Paramespri Naidoo

List of Publications by Year in descending order

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131
papers

2,681
citations

201385

27
h-index

233125

45
g-index

132
all docs

132
docs citations

132
times ranked

1571
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of gas hydrate formation in separation processes: A review of experimental studies. Journal of Chemical Thermodynamics, 2012, 46, 62-71.	1.0	469
2	Phase Equilibria of Methane and Carbon Dioxide Clathrate Hydrates in the Presence of Aqueous Solutions of Tributylmethylphosphonium Methylsulfate Ionic Liquid. Journal of Chemical & Engineering Data, 2011, 56, 3620-3629.	1.0	138
3	Phase equilibrium measurements for semi-clathrate hydrates of the (CO ₂ +N ₂ +tetra-n-butylammonium) Tj ETQq1 1 0.784314 rgBT /Overlock 101	1.0	96
4	Experimental Measurements and Thermodynamic Modeling of the Dissociation Conditions of Clathrate Hydrates for (Refrigerant + NaCl + Water) Systems. Journal of Chemical & Engineering Data, 2014, 59, 466-475.	1.0	62
5	Density, speed of sound, and refractive index measurements for the binary systems (butanoic) Tj ETQq1 1 0.784314 rgBT /Overlock 101 Thermodynamics, 2013, 57, 203-211.	1.0	55
6	Activity coefficients at infinite dilution of organic solutes in the ionic liquid 1-ethyl-3-methylimidazolium trifluoromethanesulfonate using gas-liquid chromatography at T=(313.15,) Tj ETQq1 1 0.784314 rgBT /Overlock 101	1.0	54
7	Solubilities of Carbon Dioxide and Oxygen in the Ionic Liquids Methyl Trioctyl Ammonium Bis(trifluoromethylsulfonyl)imide, 1-Butyl-3-Methyl Imidazolium Bis(trifluoromethylsulfonyl)imide, and 1-Butyl-3-Methyl Imidazolium Methyl Sulfate. Journal of Physical Chemistry B, 2015, 119, 1503-1514.	1.2	52
8	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene. Journal of Chemical & Engineering Data, 2010, 55, 2093-2099.	1.0	44
9	Experimental measurements and thermodynamic modeling of refrigerant hydrates dissociation conditions. Journal of Chemical Thermodynamics, 2015, 80, 30-40.	1.0	42
10	Review on CH ₄ -CO ₂ replacement for CO ₂ sequestration and CH ₄ /CO ₂ hydrate formation in porous media. Fuel, 2022, 320, 123795.	3.4	42
11	Activity coefficients at infinite dilution measurements for organic solutes in the ionic liquid trihexyltetradecylphosphonium-bis-(2,4,4-trimethylpentyl)-phosphinate using g.l.c. at T= (303.15, 308.15,) Tj ETQq1 1 0.784314 rgBT /Overlock 101	1.0	41
12	Determination of Activity Coefficients at Infinite Dilution of Solutes in the Ionic Liquid, Trihexyltetradecylphosphonium Bis(trifluoromethylsulfonyl) Imide, Using Gas-Liquid Chromatography at $T = (303.15, 308.15, 313.15, \text{ and } 318.15) \text{ K}$. Journal of Chemical & Engineering Data, 2008, 53, 2044-2049.	1.0	41
13	Activity coefficients at infinite dilution measurements for organic solutes in the ionic liquid N-butyl-4-methylpyridinium tosylate using GLC at T= (328.15, 333.15, 338.15, and 343.15) K. Fluid Phase Equilibria, 2009, 276, 31-36.	1.4	41
14	Effect of the alkyl side chain of the 1-alkylpiperidinium-based ionic liquids on desulfurization of fuels. Journal of Chemical Thermodynamics, 2014, 72, 31-36.	1.0	38
15	Application of 1-butyl-3-methylimidazolium bis(trifluoromethylsulfonyl) imide ionic liquid for the different types of separations problem: Activity coefficients at infinite dilution measurements using gas-liquid chromatography technique. Journal of Molecular Liquids, 2016, 220, 33-40.	2.3	37
16	A new high-pressure vapour-liquid equilibrium apparatus. Fluid Phase Equilibria, 2008, 269, 104-112.	1.4	36
17	Measurement of activity coefficients at infinite dilution of organic solutes in the ionic liquid 1-ethyl-3-methylimidazolium 2-(2-methoxyethoxy) ethylsulfate at T=(308.15, 313.15, 323.15 and 333.15)K using gas+liquid chromatography. Journal of Chemical Thermodynamics, 2014, 70, 245-252.	1.0	36
18	Effects of alkyl group and temperature on the interactions between furfural and alcohol: Insight from density and sound velocity studies. Thermochemica Acta, 2015, 599, 13-22.	1.2	35

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19	Experimental study and modeling of the kinetics of refrigerant hydrate formation. Journal of Chemical Thermodynamics, 2015, 82, 47-52.	1.0	35
20	Kinetic and thermodynamic behaviour of CF 4 clathrate hydrates. Journal of Chemical Thermodynamics, 2015, 81, 52-59.	1.0	32
21	Assessment of certain ionic liquids for separation of binary mixtures based on gamma infinity data measurements. RSC Advances, 2017, 7, 7092-7107.	1.7	32
22	Dissociation Data and Thermodynamic Modeling of Clathrate Hydrates of Ethene, Ethyne, and Propene. Journal of Chemical & Engineering Data, 2013, 58, 3259-3264.	1.0	31
23	State of the art and kinetics of refrigerant hydrate formation. International Journal of Refrigeration, 2019, 98, 410-427.	1.8	31
24	A novel static analytical apparatus for phase equilibrium measurements. Fluid Phase Equilibria, 2013, 338, 188-196.	1.4	30
25	Isothermal Vapor-Liquid Equilibrium Data for the Perfluorobutane (R610) + Ethane System at Temperatures from (263 to 353) K. Journal of Chemical & Engineering Data, 2011, 56, 1918-1924.	1.0	29
26	Phase Equilibria of Clathrate Hydrates of Ethane + Ethene. Journal of Chemical & Engineering Data, 2013, 58, 896-901.	1.0	28
27	Effect of temperature on density, sound velocity, refractive index and their derived properties for the binary systems (heptanoic acid+propanoic or butanoic acids). Journal of Chemical Thermodynamics, 2014, 78, 7-15.	1.0	28
28	Activity coefficients at infinite dilution of organic solutes in the ionic liquid 1-octyl-3-methylimidazolium hexafluorophosphate using gas-liquid chromatography at T= (313.15, Tj) ETQq0 0 0.0 BT /Overlock 10 T	1.0	25
29	Vapour-liquid equilibrium (VLE) for the systems furan+n-hexane and furan+toluene. Measurements, data treatment and modeling using molecular models. Fluid Phase Equilibria, 2013, 337, 234-245.	1.4	25
30	Influence of alkyl group and temperature on thermophysical properties of carboxylic acid and their binary mixtures. Thermochimica Acta, 2014, 590, 151-159.	1.2	24
31	The influence of temperature and composition on the density, viscosity and excess properties of aqueous mixtures of carboxylic-based ionic liquids. Journal of Chemical Thermodynamics, 2017, 109, 71-81.	1.0	24
32	Isothermal Vapor-Liquid Equilibrium Data for the Hexafluoropropylene (R1216) + Propylene System at Temperatures from (263.17 to 353.14) K. Journal of Chemical & Engineering Data, 2010, 55, 1636-1639.	1.0	23
33	Thermodynamic stability conditions of clathrate hydrates for refrigerant (R134a or R410a or R507) with MgCl 2 aqueous solution. Fluid Phase Equilibria, 2016, 413, 92-98.	1.4	23
34	Hydrate phase equilibria for CO2, CH4, or N2 + tetrabutylphosphonium bromide (TBPB) aqueous solution. Fluid Phase Equilibria, 2016, 411, 88-92.	1.4	23
35	Experimental Measurement of Vapor Pressures and Densities at Saturation of Pure Hexafluoropropylene Oxide: Modeling Using a Crossover Equation of State. Industrial & Engineering Chemistry Research, 2011, 50, 4761-4768.	1.8	22
36	Kinetic study of hydrate formation for argon + TBAB + SDS aqueous solution system. Journal of Chemical Thermodynamics, 2018, 116, 121-129.	1.0	22

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37	Experimental Measurements and Thermodynamic Modeling of Clathrate Hydrate Dissociation Conditions for Refrigerants R116, R23, and Their Mixture R508B. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 3907-3911.	1.0	21
38	Phase Equilibria of Clathrate Hydrates of Ethyne + Propane. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 2914-2919.	1.0	21
39	Activity coefficients at infinite dilution of organic solutes in the ionic liquid 1-butyl-3-methylimidazolium hexafluoroantimonate using gas-liquid chromatography at T= (313.15,) Tj ETQq1 1.0.784314 BT / O	1.0	18
40	Volumetric, Acoustic and Refractive Index for the Binary System (Butyric acid+Hexanoic acid) at Different Temperatures. <i>Journal of Solution Chemistry</i> , 2014, 43, 787-803.	0.6	19
41	A review of the treatment options for marine plastic waste in South Africa. <i>Marine Pollution Bulletin</i> , 2020, 161, 111785.	2.3	19
42	Pure Component and Binary Vapor-Liquid Equilibrium + Modeling for Hexafluoropropylene and Hexafluoropropylene Oxide with Toluene and Hexafluoroethane. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 411-418.	1.0	18
43	Liquid-Liquid Equilibria of Methanol, Ethanol, and Propan-2-ol with Water and Dodecane. <i>Journal of Chemical & Engineering Data</i> , 2011, 56, 4139-4146.	1.0	18
44	Activity coefficients at infinite dilution of organic solutes in the ionic liquid trihexyl(tetradecyl)phosphonium tetrafluoroborate using gas-liquid chromatography at T=(313.15,) Tj ETQq0 0.0 BT / O	1.0	18
45	Activity coefficients at infinite dilution of organic solutes in the ionic liquid trihexyltetradecylphosphonium hexafluorophosphate using gas-liquid chromatography at T=(313.15,) Tj ETQq1 1.0.784314 BT / O	1.0	18
46	Experimental Clathrate Hydrate Dissociation Data for Systems Comprising Refrigerant + CaCl ₂ Aqueous Solutions. <i>Journal of Chemical & Engineering Data</i> , 2016, 61, 827-836.	1.0	18
47	Ternary Liquid-Liquid Equilibria of Acetonitrile and Water with Heptanoic Acid and Nonanol at 323.15 K and 1 atm. <i>Journal of Chemical & Engineering Data</i> , 2009, 54, 735-738.	1.0	17
48	Activity coefficients at infinite dilution of organic solutes in the ionic liquid trihexyltetradecylphosphonium bis (trifluoromethylsulfonyl) imide using gas-liquid chromatography at T=(313.15, 333.15, 353.15 and 373.15)K. <i>Journal of Chemical Thermodynamics</i> , 2013, 65, 159-167.	1.0	17
49	Separation of thiophene from octane/hexadecane with ionic liquids in ternary liquid-liquid phase equilibrium. <i>Fluid Phase Equilibria</i> , 2020, 509, 112467.	1.4	17
50	Vapor-Liquid Equilibrium Measurements and Modeling for the Ethane (R-170) + 1,1,2,3,3,3-Hexafluoro-1-propene (R-1216) Binary System. <i>Journal of Chemical & Engineering Data</i> , 2012, 57, 2947-2955.	1.0	16
51	Experimental Measurement and Thermodynamic Modeling of Hydrate Dissociation Conditions for the Argon + TBAB + Water System. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 3900-3906.	1.0	16
52	Solubility of ionic liquids in 2-phenylethanol (PEA) and water. <i>Fluid Phase Equilibria</i> , 2014, 376, 55-63.	1.4	16
53	Clathrate hydrate dissociation conditions for refrigerant+sucrose aqueous solution: Experimental measurement and thermodynamic modelling. <i>Fluid Phase Equilibria</i> , 2016, 413, 99-109.	1.4	16
54	Isothermal (vapour + liquid) equilibrium data for binary systems of (n-hexane + CO ₂ or CHF ₃). <i>Journal of Chemical Thermodynamics</i> , 2016, 94, 31-42.	1.0	15

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55	Vapor-Liquid Equilibrium Data for Binary Systems Consisting of Either Hexafluoropropene (HFP) or 2,2,3-Trifluoro-3-(trifluoromethyl)oxirane (HFPO) with Carbon Dioxide (R-744) or 2,2-Dichloro-1,1,1-trifluoroethane (R-123). Journal of Chemical & Engineering Data, 2011, 56, 74-78.	1.0	14
56	Solid-liquid equilibria measurements for binary systems comprising (butyric acid+propionic or Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7 Chemical Thermodynamics, 2013, 57, 485-492.	1.0	14
57	Clathrate hydrate dissociation conditions of refrigerants R404A, R406A, R408A and R427A: Experimental measurements and thermodynamic modeling. Journal of Chemical Thermodynamics, 2015, 90, 193-198.	1.0	14
58	Equilibrium data and GC-PC SAFT predictions for furanic extraction. Fluid Phase Equilibria, 2016, 430, 57-66.	1.4	14
59	Vapor-Liquid Equilibrium Data for Binary Systems of 1-Methyl-4-(1-methylethenyl)-cyclohexene + {Ethanol, Propan-1-ol, Propan-2-ol, Butan-1-ol, or Hexan-1-ol} at 40 kPa. Journal of Chemical & Engineering Data, 2012, 57, 2053-2058.	1.0	13
60	Isothermal vapor-liquid equilibrium data for the ethylene+1,1,2,3,3,3-hexafluoro-1-propene binary system between 258 and 308K at pressures up to 4.56MPa. Fluid Phase Equilibria, 2013, 353, 7-14.	1.4	13
61	Experimental (vapour+liquid) equilibrium data and modelling for binary mixtures of decafluorobutane with propane and 1-butene. Journal of Chemical Thermodynamics, 2013, 67, 134-142.	1.0	13
62	Phase stability conditions for clathrate hydrate formation in (fluorinated refrigerant+water+single) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7 modelling. Journal of Chemical Thermodynamics, 2019, 136, 59-76.	1.0	13
63	Ternary liquid-liquid phase equilibria of {ionic liquid+thiophene+octane/hexadecane}. Journal of Chemical Thermodynamics, 2019, 134, 157-163.	1.0	13
64	(Liquid + liquid) equilibria for mixtures of dodecane and ethanol with alkylsulfate-based ionic liquids. Journal of Chemical Thermodynamics, 2015, 81, 95-100.	1.0	12
65	Phase Stability Conditions for Clathrate Hydrates Formation in CO ₂ + (NaCl or Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 7 Measurements and Thermodynamic Modeling. Journal of Chemical & Engineering Data, 2019, 64, 4638-4646.	1.0	12
66	Experimental vapour-liquid equilibrium data and modeling for binary mixtures of 1-butene with 1,1,2,3,3,3-hexafluoro-1-propene, 2,2,3-trifluoro-3-(trifluoromethyl)oxirane, or difluoromethane. Journal of Chemical Thermodynamics, 2013, 61, 18-26.	1.0	11
67	Activity coefficients at infinite dilution of organic solutes in diethylene glycol and triethylene glycol from gas-liquid chromatography. Journal of Chemical Thermodynamics, 2013, 65, 120-130.	1.0	11
68	Isothermal Vapor-Liquid Equilibrium Data for the Butan-2-one + Methanol or Ethanol Systems Using a Static-Analytic Microcell. Journal of Chemical & Engineering Data, 2013, 58, 1280-1287.	1.0	11
69	Isothermal Vapor-Liquid Equilibrium Data and Modeling for the Ethane (R170) + Perfluoropropane (R218) System at Temperatures from (264 to 308) K. Journal of Chemical & Engineering Data, 2013, 58, 1316-1320.	1.0	11
70	Phase Equilibria of Clathrate Hydrates of Ethyne + Propene. Journal of Chemical & Engineering Data, 2015, 60, 217-221.	1.0	11
71	Experimental Measurements and Thermodynamic Modeling of Hydrate Dissociation Conditions for the Xenon + TBAB + Water System. Journal of Chemical & Engineering Data, 2015, 60, 1324-1330.	1.0	11
72	Extraction of 2-phenylethanol (PEA) from aqueous phases using tetracyanoborate-based ionic liquids. Journal of Molecular Liquids, 2016, 224, 1124-1130.	2.3	11

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73	Experimental measurement and thermodynamic modelling of hydrate phase equilibrium conditions for krypton + n-butyl ammonium bromide aqueous solution. <i>Journal of Supercritical Fluids</i> , 2016, 107, 676-681.	1.6	11
74	$P-T$ Data and Modeling for Propan-1-ol + n-Octane or n-Nonane or n-Decane from 313.15 K to 363.15 K and 1 MPa to 20 MPa. <i>Journal of Chemical & Engineering Data</i> , 2018, 63, 4136-4156.	1.0	11
75	Experimental measurement of carbon dioxide solubility in 1-methylpyrrolidin-2-one (NMP)+ 1-butyl-3-methyl-1H-imidazol-3-ium tetrafluoroborate ([bmim][BF ₄]) mixtures using a new static-synthetic cell. <i>Fluid Phase Equilibria</i> , 2018, 477, 62-77.	1.4	11
76	Application of Gas Hydrate for the Treatment of Vinasse: Phase Equilibrium and Kinetic Investigations. <i>Journal of Chemical & Engineering Data</i> , 2021, 66, 504-514.	1.0	11
77	Vapor-Liquid Equilibrium Data for Binary Systems of 1-H-Pyrrole with Butan-1-ol, Propan-1-ol, or Pentan-1-ol. <i>Journal of Chemical & Engineering Data</i> , 2012, 57, 2520-2527.	1.0	10
78	Liquid-Liquid Equilibria for Mixtures of Hexadecane and Ethanol with Imidazolium-Based Ionic Liquids. <i>Journal of Solution Chemistry</i> , 2015, 44, 593-605.	0.6	10
79	Investigation into the use of gas hydrate technology for the treatment of vinasse. <i>Fluid Phase Equilibria</i> , 2019, 492, 67-77.	1.4	10
80	Investigation of Mixed MEA-Based Solvents Featuring Ionic Liquids and NMP for CO ₂ Capture: Experimental Measurement of CO ₂ Solubility and Thermophysical Properties. <i>Journal of Chemical & Engineering Data</i> , 2021, 66, 899-914.	1.0	10
81	Activity coefficients at infinite dilution of organic solutes in N-formylmorpholine and N-methylpyrrolidone from gas-liquid chromatography. <i>Journal of Chemical Thermodynamics</i> , 2013, 61, 154-160.	1.0	9
82	High-pressure phase equilibria data for mixtures involving ethene and perfluoro-n-octane from 293 to 353 K. <i>Fluid Phase Equilibria</i> , 2016, 408, 33-37.	1.4	9
83	Experimental Measurements and Thermodynamic Modeling of the Dissociation Conditions of Clathrate Hydrates for (Refrigerant + NaCl + Water) Systems. <i>Journal of Chemical & Engineering Data</i> , 2013, 58, 2695-2695.	1.0	8
84	Vapor-Liquid Equilibrium Data for 1-Methyl-2-Pyrrolidone + (1-Butanol or 1-Hexene or Water) Binary Mixtures. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 1643-1650.	1.0	8
85	Phase equilibrium data for mixtures involving 1,1,2,3,3,3-hexafluoro-1-propene with either propane or n-butane between 312 and 343K. <i>Fluid Phase Equilibria</i> , 2015, 406, 156-162.	1.4	8
86	Phase equilibria study of binary systems comprising an (ionic liquid+hydrocarbon). <i>Journal of Chemical Thermodynamics</i> , 2015, 83, 90-96.	1.0	8
87	Thermodynamic stability conditions for semi-clathrate hydrates of CO ₂ , CH ₄ , or N ₂ with tetrabutyl ammonium nitrate (TBANO ₃) aqueous solution. <i>Journal of Chemical Thermodynamics</i> , 2016, 96, 52-56.	1.0	7
88	Isothermal vapour-liquid equilibrium data for the binary systems of (CHF ₃ or C ₂ F ₆) and n-heptane. <i>Journal of Chemical Thermodynamics</i> , 2016, 102, 237-247.	1.0	7
89	Phase Equilibria for Perfluoroethane + n-Perfluorohexane or n-Perfluorooctane) Binary Systems: Measurement and Modeling. <i>Journal of Chemical & Engineering Data</i> , 2016, 61, 3363-3370.	1.0	7
90	Experimental determination of the critical loci for R-23+(n-propane or n-hexane) and R-116+n-propane binary mixtures. <i>Journal of Chemical Thermodynamics</i> , 2017, 108, 84-96.	1.0	7

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91	Isothermal Vapor-Liquid Equilibrium Data for the Propan-1-ol + Dodecane System at (323.0, 343.4, 353.2,) Tj ETQq1 1 0.784314 rgBT	1.0	6
92	Solubility data and modeling for sugar alcohols in ionic liquids. Journal of Chemical Thermodynamics, 2014, 77, 23-30.	1.0	6
93	Phase equilibrium data for potentially hazardous binary mixtures involving dichlorosilane, trichlorosilane and silicon-tetrachloride. Journal of Chemical Thermodynamics, 2015, 91, 420-426.	1.0	6
94	Assessing hydrate formation as a separation process for mixtures of close-boiling point compounds: A modelling study. Journal of Natural Gas Science and Engineering, 2016, 35, 1405-1415.	2.1	6
95	Isothermal phase (vapour+liquid) equilibrium data for binary mixtures of propene (R1270) with either 1,1,2,3,3,3-hexafluoro-1-propene (R1216) or 2,2,3-trifluoro-3-(trifluoromethyl)oxirane in the temperature range of (279 to 318)K. Journal of Chemical Thermodynamics, 2015, 90, 100-105.	1.0	5
96	Binary vapour-liquid equilibrium data for C7 and C9 straight-chain perfluorocarbons with ethylene. Fluid Phase Equilibria, 2016, 429, 37-44.	1.4	5
97	Isothermal vapour-liquid equilibrium data for the binary systems 2-propanone+2-butanol or Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.4	5
98	Investigation of temperature and composition dependence of molecular interactions between phosphonium-based ionic liquid+ N,N -dimethylformamide: A study of thermophysical properties. Journal of Molecular Liquids, 2019, 291, 110987.	2.3	5
99	Gas hydrate concentration measurements on sucrose solutions using a new pilot test rig. AICHE Journal, 2020, 66, e16281.	1.8	5
100	Effect of temperature on molecular interactions between tri(butyl)methylphosphonium methylsulfate and furfural. Journal of Chemical Thermodynamics, 2020, 149, 106150.	1.0	5
101	Sugar cane juice concentration via CO_2 gas hydrate formation. AICHE Journal, 2021, 67, e17237.	1.8	5
102	Thermodynamic measurement and modeling of hydrate dissociation for CO_2 /refrigerant + sucrose/fructose/glucose solutions. AICHE Journal, 2021, 67, e17379.	1.8	5
103	Vapour-liquid equilibrium of carboxylic acid-alcohol binary systems: 2-Propanol+butyric acid, 2-butanol+butyric acid and 2-methyl-1-propanol+butyric acid. Fluid Phase Equilibria, 2014, 380, 18-27.	1.4	4
104	Experimental Phase Equilibrium for the Binary System of n -Pentane +2-Propanol Using a New Equilibrium Cell and the Static Total Pressure Method. Journal of Chemical & Engineering Data, 2018, 63, 732-740.	1.0	4
105	Hydrate Dissociation Data for the Systems (CO_2 / CH_4 /Ar) + Water with (TBAF/TBAA/TBPB/TBANO ₃ and Cyclopentane). Journal of Chemical & Engineering Data, 2019, 64, 2542-2549.	1.0	4
106	Experimental study of carbon dioxide gas hydrate formation in the presence of zwitterionic compounds. Journal of Chemical Thermodynamics, 2019, 137, 94-100.	1.0	4
107	Isothermal Vapor-Liquid Equilibrium Measurements for Alcohol + Water/ n -Hexane Azeotropic Systems Using Both Dynamic and Automated Static-Synthetic Methods. Journal of Chemical & Engineering Data, 2019, 64, 2657-2670.	1.0	4
108	A new high pressure phase equilibrium cell featuring the static-combined method: Equipment commissioning and data measurement. Journal of Supercritical Fluids, 2021, 176, 105291.	1.6	4

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109	Application of Gas Hydrates in the Separation and Purification of Xenon from a Mixture of Xenon and Argon. <i>Journal of Chemical & Engineering Data</i> , 2021, 66, 3815-3825.	1.0	4
110	Experimental measurements of CO ₂ solubility, viscosity, density, sound velocity and evaporation rate for 2-(2-aminoethoxy)ethanol (DGA)-1-methylpyrrolidin-2-one (NMP) / water-ionic liquid systems. <i>Fluid Phase Equilibria</i> , 2022, 559, 113475.	1.4	4
111	Vapor-Liquid Equilibrium Data for the Morpholine-4-carbaldehyde + n-Hexane or n-Heptane Binary Systems Using a Static-Synthetic Apparatus. <i>Journal of Chemical & Engineering Data</i> , 2013, 58, 2552-2566.	1.0	3
112	Isothermal vapour-liquid equilibrium data for the binary systems of CHF ₃ with (n-nonane, n-decane,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.4	3
113	Vapor Liquid Equilibrium Data for 2,3-Pentanedione + (Acetaldehyde or Acetone) at (100, 150, and 200) kPa. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 2388-2394.	1.0	3
114	Experimental study and modeling of the kinetics of gas hydrate formation for acetylene, ethylene, propane and propylene in the presence and absence of SDS. <i>Petroleum Science and Technology</i> , 2019, 37, 506-512.	0.7	3
115	Measurement and Modeling of the Solubility of Tetrafluoromethane in Either Perfluoroheptane or Perfluorodecalin. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 4862-4868.	1.0	3
116	Measurement and Modeling of Methane or Carbon Dioxide + Methanol +2,2,2-[Ethane-1,2-diylbis(oxy)] di(ethan-1-ol) Systems from T = 298 to 323 K. <i>Journal of Chemical & Engineering Data</i> , 2022, 67, 1174-1187.	1.0	3
117	Vapour-liquid equilibrium of propionic acid+caproic acid, isobutyric acid+caproic acid, valeric acid+caproic acid and caproic acid+enanthoic acid binary mixtures. <i>Fluid Phase Equilibria</i> , 2014, 375, 201-208.	1.4	2
118	Isothermal vapor-liquid equilibrium data for the ethene+2,2,3-trifluoro-3-(trifluoromethyl)oxirane binary system between 258 and 308K at pressures up to 4.5MPa. <i>Fluid Phase Equilibria</i> , 2015, 394, 88-92.	1.4	2
119	Isothermal vapour-liquid equilibrium data for binary systems of (CHF ₃ or C ₂ F ₆) with (1-hexene or Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	1.0	2
120	Isothermal Vapor-Liquid Equilibrium Data for the Binary Systems Consisting of 1,1,2,3,3,3-Hexafluoro-1-propene and Either Methylcyclohexane, Cyclohexane, n-Hexane, 2-Methyltetrahydrofuran, or 2,2,3,3,4,4-Heptafluoro-1-butanol. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 5232-5237.	1.0	2
121	VLE measurements and modelling for the binary systems of (CF ₄ + C ₆ F ₁₄) and (CF ₄ + C ₈ F ₁₈). <i>Fluid Phase Equilibria</i> , 2019, 485, 146-152.	1.4	2
122	Isothermal Vapor-Liquid Equilibrium (P vs T) Measurements and Modeling of n-Hexane + Pentan-2-one/4-Methylpentan-2-one. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 5567-5580.	1.0	2
123	The distribution coefficients of Y ₃₊ and Eu ₃₊ between HNO ₃ and HDEHP. <i>Minerals Engineering</i> , 2020, 153, 106285.	1.8	2
124	Binary Vapor-Liquid Equilibrium Data for Perfluorooctane with Light Gases (Oxygen, Nitrogen, and Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.0	1
125	Modeling of Trifluoromethane (R-23) or Hexafluoroethane (R-116) and Alkane Binary Mixtures using the Group-Contribution with Association Equation of State. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 10640-10648.	1.8	1
126	Isothermal Vapor-Liquid Equilibrium Data for Binary Systems of CHF ₃ or C ₂ F ₆ with Methylcyclohexane or Toluene. <i>Journal of Chemical & Engineering Data</i> , 2018, 63, 2114-2126.	1.0	1

#	ARTICLE	IF	CITATIONS
127	Experimental measurements and thermodynamic modelling of hydrate phase equilibrium conditions for CF ₄ +TBAB aqueous solutions. Chemical Engineering Communications, 2020, 207, 185-193.	1.5	1
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