

Paramespri Naidoo

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3700179/paramespri-naidoo-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

127
papers

2,155
citations

24
h-index

41
g-index

132
ext. papers

2,445
ext. citations

2.9
avg, IF

5.02
L-index

#	Paper	IF	Citations
127	Application of gas hydrate formation in separation processes: A review of experimental studies. <i>Journal of Chemical Thermodynamics</i> , 2012 , 46, 62-71	2.9	403
126	Phase Equilibria of Methane and Carbon Dioxide Clathrate Hydrates in the Presence of Aqueous Solutions of Tributylmethylphosphonium Methylsulfate Ionic Liquid. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 3620-3629	2.8	115
125	Phase equilibrium measurements for semi-clathrate hydrates of the (CO ₂ +N ₂ +tetra-n-butylammonium bromide) aqueous solution system. <i>Journal of Chemical Thermodynamics</i> , 2012 , 46, 57-61	2.9	91
124	Experimental Measurements and Thermodynamic Modeling of the Dissociation Conditions of Clathrate Hydrates for (Refrigerant + NaCl + Water) Systems. <i>Journal of Chemical & Engineering Data</i> , 2014 , 59, 466-475	2.8	54
123	Density, speed of sound, and refractive index measurements for the binary systems (butanoic acid+propanoic acid, or 2-methyl-propanoic acid) at T=(293.15 to 313.15)K. <i>Journal of Chemical Thermodynamics</i> , 2013 , 57, 203-211	2.9	50
122	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, 323.15, and 333.15)K. <i>Journal of Chemical Thermodynamics</i> , 2010 , 42, 78-83	2.9	48
121	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. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 1503-14	3.4	42
120	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 2093-2099	2.8	41
119	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, 313.15, and 318.15)K. <i>Journal of Chemical Thermodynamics</i> , 2008 , 40, 1243-1247	2.9	40
118	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. <i>Fluid Phase Equilibria</i> , 2009 , 276, 31-36	2.5	39
117	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, and 318.15) K. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 2044-2049	2.8	39
116	Effect of the alkyl side chain of the 1-alkylpiperidinium-based ionic liquids on desulfurization of fuels. <i>Journal of Chemical Thermodynamics</i> , 2014 , 72, 31-36	2.9	35
115	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. <i>Journal of Chemical Thermodynamics</i> , 2014 , 70, 245-252	2.9	31
114	Experimental measurements and thermodynamic modeling of refrigerant hydrates dissociation conditions. <i>Journal of Chemical Thermodynamics</i> , 2015 , 80, 30-40	2.9	30
113	Effects of alkyl group and temperature on the interactions between furfural and alcohol: Insight from density and sound velocity studies. <i>Thermochimica Acta</i> , 2015 , 599, 13-22	2.9	29
112	Experimental study and modeling of the kinetics of refrigerant hydrate formation. <i>Journal of Chemical Thermodynamics</i> , 2015 , 82, 47-52	2.9	29
111	Isothermal Vapor-Liquid Equilibrium Data for the Perfluorobutane (R610) + Ethane System at Temperatures from (263 to 353) K. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 1918-1924	2.8	29

110	A new high-pressure vapour-liquid equilibrium apparatus. <i>Fluid Phase Equilibria</i> , 2008 , 269, 104-112	2.5	29
109	Assessment of certain ionic liquids for separation of binary mixtures based on gamma infinity data measurements. <i>RSC Advances</i> , 2017 , 7, 7092-7107	3.7	28
108	Dissociation Data and Thermodynamic Modeling of Clathrate Hydrates of Ethene, Ethyne, and Propene. <i>Journal of Chemical & Engineering Data</i> , 2013 , 58, 3259-3264	2.8	28
107	Effect of temperature on density, sound velocity, refractive index and their derived properties for the binary systems (heptanoic acid + propanoic or butanoic acids). <i>Journal of Chemical Thermodynamics</i> , 2014 , 78, 7-15	2.9	27
106	A novel static analytical apparatus for phase equilibrium measurements. <i>Fluid Phase Equilibria</i> , 2013 , 338, 188-196	2.5	27
105	Kinetic and thermodynamic behaviour of CF ₄ clathrate hydrates. <i>Journal of Chemical Thermodynamics</i> , 2015 , 81, 52-59	2.9	26
104	Phase Equilibria of Clathrate Hydrates of Ethane + Ethene. <i>Journal of Chemical & Engineering Data</i> , 2013 , 58, 896-901	2.8	25
103	Influence of alkyl group and temperature on thermophysical properties of carboxylic acid and their binary mixtures. <i>Thermochimica Acta</i> , 2014 , 590, 151-159	2.9	23
102	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. <i>Journal of Molecular Liquids</i> , 2016 , 220, 33-40	6	23
101	Isothermal Vapor-Liquid Equilibrium Data for the Hexafluoropropylene (R1216) + Propylene System at Temperatures from (263.17 to 353.14) K. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 1636-1639	2.8	21
100	Experimental Measurement of Vapor Pressures and Densities at Saturation of Pure Hexafluoropropylene Oxide: Modeling Using a Crossover Equation of State. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 4761-4768	3.9	21
99	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, 323.15, and 333.15) K. <i>Journal of Chemical Thermodynamics</i> , 2010 , 42, 646-650	2.9	21
98	Vapour-liquid equilibrium (VLE) for the systems furan+n-hexane and furan+toluene. Measurements, data treatment and modeling using molecular models. <i>Fluid Phase Equilibria</i> , 2013 , 337, 234-245	2.5	20
97	The influence of temperature and composition on the density, viscosity and excess properties of aqueous mixtures of carboxylic-based ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2017 , 109, 71-81	2.9	20
96	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	1.8	19
95	Phase Equilibria of Clathrate Hydrates of Ethyne + Propane. <i>Journal of Chemical & Engineering Data</i> , 2014 , 59, 2914-2919	2.8	19
94	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	2.8	18
93	Thermodynamic stability conditions of clathrate hydrates for refrigerant (R134a or R410a or R507) with MgCl ₂ aqueous solution. <i>Fluid Phase Equilibria</i> , 2016 , 413, 92-98	2.5	17

92	State of the art and kinetics of refrigerant hydrate formation. <i>International Journal of Refrigeration</i> , 2019 , 98, 410-427	3.8	17
91	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, 323.15, and 333.15) K. <i>Journal of Chemical Thermodynamics</i> , 2011 , 43, 829-833	2.9	17
90	Activity coefficients at infinite dilution of organic solutes in the ionic liquid trihexyl(tetradecyl)phosphonium tetrafluoroborate using gas-liquid chromatography at T = (313.15, 333.15, 353.15, and 373.15) K. <i>Journal of Chemical Thermodynamics</i> , 2011 , 43, 670-676	2.9	16
89	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	2.8	16
88	Hydrate phase equilibria for CO ₂ , CH ₄ , or N ₂ in tetrabutylphosphonium bromide (TBPB) aqueous solution. <i>Fluid Phase Equilibria</i> , 2016 , 411, 88-92	2.5	15
87	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	2.8	15
86	Activity coefficients at infinite dilution of organic solutes in the ionic liquid trihexyltetradecylphosphonium hexafluorophosphate using gas-liquid chromatography at T=(313.15, 333.15, 353.15, and 363.15)K. <i>Journal of Chemical Thermodynamics</i> , 2012 , 49, 46-53	2.9	15
85	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	2.8	15
84	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	2.8	15
83	Solubility of ionic liquids in 2-phenylethanol (PEA) and water. <i>Fluid Phase Equilibria</i> , 2014 , 376, 55-63	2.5	14
82	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	2.9	14
81	Solid-Liquid equilibria measurements for binary systems comprising (butyric acid+propionic or pentanoic acid) and (heptanoic acid+propionic or butyric or pentanoic or hexanoic acid). <i>Journal of Chemical Thermodynamics</i> , 2013 , 57, 485-492	2.9	14
80	Kinetic study of hydrate formation for argon + TBAB + SDS aqueous solution system. <i>Journal of Chemical Thermodynamics</i> , 2018 , 116, 121-129	2.9	13
79	Experimental Clathrate Hydrate Dissociation Data for Systems Comprising Refrigerant + CaCl ₂ Aqueous Solutions. <i>Journal of Chemical & Engineering Data</i> , 2016 , 61, 827-836	2.8	13
78	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	2.8	13
77	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). <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 74-78	2.8	13
76	(Liquid + liquid) equilibria for mixtures of dodecane and ethanol with alkylsulfate-based ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2015 , 81, 95-100	2.9	12
75	Isothermal vapor-liquid equilibrium data for the ethylene + 1,1,2,3,3,3-hexafluoro-1-propene binary system between 258 and 308 K at pressures up to 4.56 MPa. <i>Fluid Phase Equilibria</i> , 2013 , 353, 7-14	2.5	12

74	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	2.9	11
73	Clathrate hydrate dissociation conditions of refrigerants R404A, R406A, R408A and R427A: Experimental measurements and thermodynamic modeling. <i>Journal of Chemical Thermodynamics</i> , 2015 , 90, 193-198	2.9	11
72	Phase stability conditions for clathrate hydrate formation in (fluorinated refrigerant + water + single and mixed electrolytes + cyclopentane) systems: Experimental measurements and thermodynamic modelling. <i>Journal of Chemical Thermodynamics</i> , 2019 , 136, 59-76	2.9	10
71	Extraction of 2-phenylethanol (PEA) from aqueous phases using tetracyanoborate-based ionic liquids. <i>Journal of Molecular Liquids</i> , 2016 , 224, 1124-1130	6	10
70	Experimental (vapour + liquid) equilibrium data and modelling for binary mixtures of decafluorobutane with propane and 1-butene. <i>Journal of Chemical Thermodynamics</i> , 2013 , 67, 134-142	2.9	10
69	Phase Equilibria of Clathrate Hydrates of Ethyne + Propene. <i>Journal of Chemical & Engineering Data</i> , 2015 , 60, 217-221	2.8	10
68	Vapor-Liquid Equilibrium Data for Binary Systems of 1-Methyl-4-(1-methylethenyl)-cyclohexene + {Ethanol, Propan-1-ol, Propan-2-ol, Butan-1-ol, Pentan-1-ol, or Hexan-1-ol} at 40 kPa. <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 2053-2058	2.8	10
67	Liquid-Liquid Equilibria for Mixtures of Hexadecane and Ethanol with Imidazolium-Based Ionic Liquids. <i>Journal of Solution Chemistry</i> , 2015 , 44, 593-605	1.8	9
66	A review of the treatment options for marine plastic waste in South Africa. <i>Marine Pollution Bulletin</i> , 2020 , 161, 111785	6.7	9
65	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. <i>Journal of Chemical Thermodynamics</i> , 2013 , 61, 18-26	2.9	9
64	Isothermal Vapor-Liquid Equilibrium Data for the Butan-2-one + Methanol or Ethanol Systems Using a Static-Analytic Microcell. <i>Journal of Chemical & Engineering Data</i> , 2013 , 58, 1280-1287	2.8	9
63	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	4.2	8
62	Ternary liquid-liquid phase equilibria of {ionic liquid + thiophene + (octane/hexadecane)}. <i>Journal of Chemical Thermodynamics</i> , 2019 , 134, 157-163	2.9	8
61	Experimental Measurements and Thermodynamic Modeling of Hydrate Dissociation Conditions for the Xenon + TBAB + Water System. <i>Journal of Chemical & Engineering Data</i> , 2015 , 60, 1324-1330	2.8	8
60	Separation of thiophene from octane/hexadecane with ionic liquids in ternary liquid-liquid phase equilibrium. <i>Fluid Phase Equilibria</i> , 2020 , 509, 112467	2.5	8
59	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	2.9	8
58	Vapor-Liquid Equilibrium Data for Binary Systems of 1H-Pyrrole with Butan-1-ol, Propan-1-ol, or Pentan-1-ol. <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 2520-2527	2.8	8
57	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	2.9	7

56	Phase Stability Conditions for Clathrate Hydrates Formation in CO ₂ + (NaCl or CaCl ₂ or MgCl ₂) + Cyclopentane + Water Systems: Experimental Measurements and Thermodynamic Modeling. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 4638-4646	2.8	7
55	Phase equilibria study of binary systems comprising an (ionic liquid+hydrocarbon). <i>Journal of Chemical Thermodynamics</i> , 2015 , 83, 90-96	2.9	7
54	Clathrate hydrate dissociation conditions for refrigerant-R134a/sucrose aqueous solution: Experimental measurement and thermodynamic modelling. <i>Fluid Phase Equilibria</i> , 2016 , 413, 99-109	2.5	7
53	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	2.5	7
52	Activity coefficients at infinite dilution of organic solutes in diethylene glycol and triethylene glycol from gas-liquid chromatography. <i>Journal of Chemical Thermodynamics</i> , 2013 , 65, 120-130	2.9	7
51	Isothermal Vapor-Liquid Equilibrium Data and Modeling for the Ethane (R170) + Perfluoropropane (R218) System at Temperatures from (264 to 308) K. <i>Journal of Chemical & Engineering Data</i> , 2013 , 58, 1316-1320	2.8	7
50	Equilibrium data and GC-PC SAFT predictions for furanic extraction. <i>Fluid Phase Equilibria</i> , 2016 , 430, 57-66	2.5	7
49	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	2.8	6
48	Phase equilibrium data for mixtures involving 1,1,2,3,3-hexafluoro-1-propene with either propane or n-butane between 312 and 343K. <i>Fluid Phase Equilibria</i> , 2015 , 406, 156-162	2.5	6
47	PVT 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	2.8	6
46	Investigation into the use of gas hydrate technology for the treatment of vinasse. <i>Fluid Phase Equilibria</i> , 2019 , 492, 67-77	2.5	5
45	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	2.8	5
44	Isothermal vapour-liquid equilibrium data for the binary systems 2-propanone + (2-butanol or propanoic acid). <i>Fluid Phase Equilibria</i> , 2017 , 433, 119-125	2.5	5
43	Isothermal Vapor-Liquid Equilibrium Data for the Propan-1-ol + Dodecane System at (323.0, 343.4, 353.2, 363.1, and 369.2) K. <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 862-868	2.8	5
42	Assessing hydrate formation as a separation process for mixtures of close-boiling point compounds: A modelling study. <i>Journal of Natural Gas Science and Engineering</i> , 2016 , 35, 1405-1415	4.6	5
41	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	2.9	5
40	Gas hydrate concentration measurements on sucrose solutions using a new pilot test rig. <i>AICHE Journal</i> , 2020 , 66, e16281	3.6	4
39	Vapour-Liquid equilibrium of carboxylic acid-alcohol binary systems: 2-Propanol+butyric acid, 2-butanol+butyric acid and 2-methyl-1-propanol+butyric acid. <i>Fluid Phase Equilibria</i> , 2014 , 380, 18-27	2.5	4

38	Solubility data and modeling for sugar alcohols in ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2014 , 77, 23-30	2.9	4
37	Phase equilibrium data for potentially hazardous binary mixtures involving dichlorosilane, trichlorosilane and silicon-tetrachloride. <i>Journal of Chemical Thermodynamics</i> , 2015 , 91, 420-426	2.9	4
36	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	2.8	4
35	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	2.9	4
34	Experimental study of carbon dioxide gas hydrate formation in the presence of zwitterionic compounds. <i>Journal of Chemical Thermodynamics</i> , 2019 , 137, 94-100	2.9	3
33	Investigation of temperature and composition dependence of molecular interactions between phosphonium-based ionic liquid + N, N-dimethylformamide: A study of thermophysical properties. <i>Journal of Molecular Liquids</i> , 2019 , 291, 110987	6	3
32	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. <i>Journal of Chemical Thermodynamics</i> , 2015 , 90, 100-105	2.9	3
31	Effect of temperature on molecular interactions between tri(butyl)methylphosphonium methylsulfate and furfural. <i>Journal of Chemical Thermodynamics</i> , 2020 , 149, 106150	2.9	3
30	Binary vapour-liquid equilibrium data for C7 and C9 straight-chain perfluorocarbons with ethylene. <i>Fluid Phase Equilibria</i> , 2016 , 429, 37-44	2.5	3
29	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	2.8	3
28	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	2.5	3
27	Review on CH ₄ -CO ₂ replacement for CO ₂ sequestration and CH ₄ /CO ₂ hydrate formation in porous media. <i>Fuel</i> , 2022 , 320, 123795	7.1	3
26	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	2.8	2
25	Isothermal Vapor-Liquid Equilibrium Measurements for Alcohol + Water/n-Hexane Azeotropic Systems Using Both Dynamic and Automated Static-Synthetic Methods. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 2657-2670	2.8	2
24	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	1.4	2
23	Isothermal vapour-liquid equilibrium data for the binary systems of CHF ₃ with (n-nonane, n-decane, or n-undecane) and C ₂ F ₆ with (n-nonane or n-decane). <i>Fluid Phase Equilibria</i> , 2018 , 464, 64-78	2.5	2
22	Isothermal vapour-liquid equilibrium data for binary systems of (CHF ₃ or C ₂ F ₆) with (1-hexene or 3-methylpentane). <i>Journal of Chemical Thermodynamics</i> , 2018 , 121, 79-90	2.9	2
21	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	2.5	2

20	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	2.5	2
19	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	2.8	2
18	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	2.8	2
17	Thermodynamic measurement and modeling of hydrate dissociation for CO ₂ /refrigerant + sucrose/fructose/glucose solutions. <i>AIChE Journal</i> , 2021 , 67, e17379	3.6	2
16	Hydrate Dissociation Data for the Systems (CO ₂ /CH ₄ /Ar) + Water with (TBAF/TBAA/TBPB/TBANO ₃ and Cyclopentane). <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 2542-2549	2.8	1
15	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	2.5	1
14	Isobaric Vapor-liquid Equilibrium Data for Water (1) + 2-Methyl-propan-1-ol (2), 2-Methyl-propan-1-ol (1) + Pyridine (2), and Water (1) + 2-Methyl-propan-1-ol (2) + Pyridine (3) Systems. <i>Journal of Chemical & Engineering Data</i> , 2020 , 65, 647-654	2.8	1
13	Experimental Phase Equilibrium for the Binary System of n-Pentane +2-Propanol Using a New Equilibrium Cell and the Static Total Pressure Method. <i>Journal of Chemical & Engineering Data</i> , 2018 , 63, 732-740	2.8	1
12	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	2.8	1
11	Binary Vapor-liquid Equilibrium Data for Perfluorooctane with Light Gases (Oxygen, Nitrogen, and Methane). <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 4301-4309	2.8	1
10	Isothermal Vapor-liquid Equilibrium (PVT) Measurements and Modeling of n-Hexane + Pentan-2-one/4-Methylpentan-2-one. <i>Journal of Chemical & Engineering Data</i> , 2020 , 65, 5567-5580	2.8	1
9	Measurement and Modeling of the Solubility of Tetrafluoromethane in Either Perfluoroheptane or Perfluorodecalin. <i>Journal of Chemical & Engineering Data</i> , 2020 , 65, 4862-4868	2.8	1
8	Experimental measurements and thermodynamic modelling of hydrate phase equilibrium conditions for CF ₄ +TBAB aqueous solutions. <i>Chemical Engineering Communications</i> , 2020 , 207, 185-193	2.2	1
7	Sugar cane juice concentration via CO ₂ gas hydrate formation. <i>AIChE Journal</i> , 2021 , 67, e17237	3.6	1
6	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 2,2,3,3,4,4,4-Heptafluoro-1-butanol. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 5232-5237	2.8	0
5	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	3.9	0
4	A new high pressure phase equilibrium cell featuring the static-combined method: Equipment commissioning and data measurement. <i>Journal of Supercritical Fluids</i> , 2021 , 176, 105291	4.2	0
3	The distribution coefficients of Y ₃₊ and Eu ₃₊ between HNO ₃ and HDEHP. <i>Minerals Engineering</i> , 2020 , 153, 106285	4.9	

- 2 Can 2-methyl-2-butene and isoprene form clathrate hydrates?. *Petroleum Science and Technology*, **2018**, 36, 1696-1702 1.4
- 1 Experimental measurements of CO₂ solubility, viscosity, density, sound velocity and evaporation rate for 2-(2-aminoethoxy)ethanol (DGA) + 1-methylpyrrolidin-2-one (NMP) / water + ionic liquid systems. *Fluid Phase Equilibria*, **2022**, 113475 2.5