

# Paramespri Naidoo

## List of Publications by Year in Descending Order

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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.

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	Review on CH <sub>4</sub> -CO <sub>2</sub> replacement for CO <sub>2</sub> sequestration and CH <sub>4</sub> /CO <sub>2</sub> hydrate formation in porous media. <i>Fuel</i> , <b>2022</b> , 320, 123795	7.1	3
126	Experimental measurements of CO <sub>2</sub> 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> , <b>2022</b> , 113475	2.5	
125	A new high pressure phase equilibrium cell featuring the static-combined method: Equipment commissioning and data measurement. <i>Journal of Supercritical Fluids</i> , <b>2021</b> , 176, 105291	4.2	0
124	Application of Gas Hydrate for the Treatment of Vinasse: Phase Equilibrium and Kinetic Investigations. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2021</b> , 66, 504-514	2.8	2
123	Investigation of Mixed MEA-Based Solvents Featuring Ionic Liquids and NMP for CO <sub>2</sub> Capture: Experimental Measurement of CO <sub>2</sub> Solubility and Thermophysical Properties. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2021</b> , 66, 899-914	2.8	2
122	Sugar cane juice concentration via CO <sub>2</sub> gas hydrate formation. <i>AIChE Journal</i> , <b>2021</b> , 67, e17237	3.6	1
121	Thermodynamic measurement and modeling of hydrate dissociation for CO <sub>2</sub> /refrigerant + sucrose/fructose/glucose solutions. <i>AIChE Journal</i> , <b>2021</b> , 67, e17379	3.6	2
120	A review of the treatment options for marine plastic waste in South Africa. <i>Marine Pollution Bulletin</i> , <b>2020</b> , 161, 111785	6.7	9
119	Gas hydrate concentration measurements on sucrose solutions using a new pilot test rig. <i>AIChE Journal</i> , <b>2020</b> , 66, e16281	3.6	4
118	Effect of temperature on molecular interactions between tri(butyl)methylphosphonium methylsulfate and furfural. <i>Journal of Chemical Thermodynamics</i> , <b>2020</b> , 149, 106150	2.9	3
117	Separation of thiophene from octane/hexadecane with ionic liquids in ternary liquid-liquid phase equilibrium. <i>Fluid Phase Equilibria</i> , <b>2020</b> , 509, 112467	2.5	8
116	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 &amp; Engineering Data</i> , <b>2020</b> , 65, 647-654	2.8	1
115	Isothermal Vapor-Liquid Equilibrium (PVT) Measurements and Modeling of n-Hexane + Pentan-2-one/4-Methylpentan-2-one. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2020</b> , 65, 5567-5580	2.8	1
114	Measurement and Modeling of the Solubility of Tetrafluoromethane in Either Perfluoroheptane or Perfluorodecalin. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2020</b> , 65, 4862-4868	2.8	1
113	Experimental measurements and thermodynamic modelling of hydrate phase equilibrium conditions for CF <sub>4</sub> +TBAB aqueous solutions. <i>Chemical Engineering Communications</i> , <b>2020</b> , 207, 185-193	2.2	1
112	The distribution coefficients of Y <sup>3+</sup> and Eu <sup>3+</sup> between HNO <sub>3</sub> and HDEHP. <i>Minerals Engineering</i> , <b>2020</b> , 153, 106285	4.9	
111	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 &amp; Engineering Data</i> , <b>2019</b> , 64, 5232-5237	2.8	0

110	Hydrate Dissociation Data for the Systems (CO <sub>2</sub> /CH <sub>4</sub> /Ar) + Water with (TBAF/TBAA/TBPB/TBANO <sub>3</sub> and Cyclopentane). <i>Journal of Chemical &amp; Engineering Data</i> , <b>2019</b> , 64, 2542-2549	2.8	1
109	Phase Stability Conditions for Clathrate Hydrates Formation in CO <sub>2</sub> + (NaCl or CaCl <sub>2</sub> or MgCl <sub>2</sub> ) + Cyclopentane + Water Systems: Experimental Measurements and Thermodynamic Modeling. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2019</b> , 64, 4638-4646	2.8	7
108	Experimental study of carbon dioxide gas hydrate formation in the presence of zwitterionic compounds. <i>Journal of Chemical Thermodynamics</i> , <b>2019</b> , 137, 94-100	2.9	3
107	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> , <b>2019</b> , 291, 110987	6	3
106	Vapor Liquid Equilibrium Data for 2,3-Pentanedione + (Acetaldehyde or Acetone) at (100, 150, and 200) kPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2019</b> , 64, 2388-2394	2.8	2
105	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> , <b>2019</b> , 136, 59-76	2.9	10
104	Isothermal Vapor-Liquid Equilibrium Measurements for Alcohol + Water/n-Hexane Azeotropic Systems Using Both Dynamic and Automated Static-Synthetic Methods. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2019</b> , 64, 2657-2670	2.8	2
103	Ternary liquid-liquid phase equilibria of {ionic liquid + thiophene + (octane/hexadecane)}. <i>Journal of Chemical Thermodynamics</i> , <b>2019</b> , 134, 157-163	2.9	8
102	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> , <b>2019</b> , 37, 506-512	1.4	2
101	Investigation into the use of gas hydrate technology for the treatment of vinasse. <i>Fluid Phase Equilibria</i> , <b>2019</b> , 492, 67-77	2.5	5
100	State of the art and kinetics of refrigerant hydrate formation. <i>International Journal of Refrigeration</i> , <b>2019</b> , 98, 410-427	3.8	17
99	VLE measurements and modelling for the binary systems of (CF <sub>4</sub> + C <sub>6</sub> F <sub>14</sub> ) and (CF <sub>4</sub> + C <sub>8</sub> F <sub>18</sub> ). <i>Fluid Phase Equilibria</i> , <b>2019</b> , 485, 146-152	2.5	2
98	Isothermal vapour-liquid equilibrium data for the binary systems of CHF <sub>3</sub> with (n-nonane, n-decane, or n-undecane) and C <sub>2</sub> F <sub>6</sub> with (n-nonane or n-decane). <i>Fluid Phase Equilibria</i> , <b>2018</b> , 464, 64-78	2.5	2
97	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 &amp; Engineering Data</i> , <b>2018</b> , 63, 732-740	2.8	1
96	Isothermal vapour-liquid equilibrium data for binary systems of (CHF <sub>3</sub> or C <sub>2</sub> F <sub>6</sub> ) with (1-hexene or 3-methylpentane). <i>Journal of Chemical Thermodynamics</i> , <b>2018</b> , 121, 79-90	2.9	2
95	Kinetic study of hydrate formation for argon + TBAB + SDS aqueous solution system. <i>Journal of Chemical Thermodynamics</i> , <b>2018</b> , 116, 121-129	2.9	13
94	Modeling of Trifluoromethane (R-23) or Hexafluoroethane (R-116) and Alkane Binary Mixtures using the Group-Contribution with Association Equation of State. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 10640-10648	3.9	0
93	Isothermal Vapor-Liquid Equilibrium Data for Binary Systems of CHF <sub>3</sub> or C <sub>2</sub> F <sub>6</sub> with Methylcyclohexane or Toluene. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2018</b> , 63, 2114-2126	2.8	1

92	Can 2-methyl-2-butene and isoprene form clathrate hydrates?. <i>Petroleum Science and Technology</i> , <b>2018</b> , 36, 1696-1702	1.4	
91	P $\pi$ 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 &amp; Engineering Data</i> , <b>2018</b> , 63, 4136-4156	2.8	6
90	Experimental measurement of carbon dioxide solubility in 1-methylpyrrolidin-2-one (NMP) $\pi$ -1-butyl-3-methyl-1H-imidazol-3-ium tetrafluoroborate ([bmim][BF <sub>4</sub> ]) mixtures using a new static-synthetic cell. <i>Fluid Phase Equilibria</i> , <b>2018</b> , 477, 62-77	2.5	3
89	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> , <b>2017</b> , 108, 84-96	2.9	7
88	Assessment of certain ionic liquids for separation of binary mixtures based on gamma infinity data measurements. <i>RSC Advances</i> , <b>2017</b> , 7, 7092-7107	3.7	28
87	Binary Vapor-Liquid Equilibrium Data for Perfluorooctane with Light Gases (Oxygen, Nitrogen, and Methane). <i>Journal of Chemical &amp; Engineering Data</i> , <b>2017</b> , 62, 4301-4309	2.8	1
86	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> , <b>2017</b> , 109, 71-81	2.9	20
85	Isothermal vapour-liquid equilibrium data for the binary systems 2-propanone + (2-butanol or propanoic acid). <i>Fluid Phase Equilibria</i> , <b>2017</b> , 433, 119-125	2.5	5
84	Isothermal (vapour + liquid) equilibrium data for binary systems of (n-hexane + CO <sub>2</sub> or CHF <sub>3</sub> ). <i>Journal of Chemical Thermodynamics</i> , <b>2016</b> , 94, 31-42	2.9	11
83	Experimental measurement and thermodynamic modelling of hydrate phase equilibrium conditions for krypton + n-butyl ammonium bromide aqueous solution. <i>Journal of Supercritical Fluids</i> , <b>2016</b> , 107, 676-681	4.2	8
82	Phase Equilibria for Perfluoroethane + (n-Perfluorohexane or n-Perfluorooctane) Binary Systems: Measurement and Modeling. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2016</b> , 61, 3363-3370	2.8	5
81	Binary vapour-liquid equilibrium data for C <sub>7</sub> and C <sub>9</sub> straight-chain perfluorocarbons with ethylene. <i>Fluid Phase Equilibria</i> , <b>2016</b> , 429, 37-44	2.5	3
80	Extraction of 2-phenylethanol (PEA) from aqueous phases using tetracyanoborate-based ionic liquids. <i>Journal of Molecular Liquids</i> , <b>2016</b> , 224, 1124-1130	6	10
79	Experimental Clathrate Hydrate Dissociation Data for Systems Comprising Refrigerant + CaCl <sub>2</sub> Aqueous Solutions. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2016</b> , 61, 827-836	2.8	13
78	Thermodynamic stability conditions of clathrate hydrates for refrigerant (R134a or R410a or R507) with MgCl <sub>2</sub> aqueous solution. <i>Fluid Phase Equilibria</i> , <b>2016</b> , 413, 92-98	2.5	17
77	Hydrate phase equilibria for CO <sub>2</sub> , CH <sub>4</sub> , or N <sub>2</sub> $\pi$ -tetrabutylphosphonium bromide (TBPB) aqueous solution. <i>Fluid Phase Equilibria</i> , <b>2016</b> , 411, 88-92	2.5	15
76	Clathrate hydrate dissociation conditions for refrigerant $\pi$ -sucrose aqueous solution: Experimental measurement and thermodynamic modelling. <i>Fluid Phase Equilibria</i> , <b>2016</b> , 413, 99-109	2.5	7
75	High-pressure phase equilibria data for mixtures involving ethene and perfluoro-n-octane from 293 to 353 K. <i>Fluid Phase Equilibria</i> , <b>2016</b> , 408, 33-37	2.5	7

74	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> , <b>2016</b> , 35, 1405-1415	4.6	5
73	Thermodynamic stability conditions for semi-clathrate hydrates of CO <sub>2</sub> , CH <sub>4</sub> , or N <sub>2</sub> with tetrabutyl ammonium nitrate (TBANO <sub>3</sub> ) aqueous solution. <i>Journal of Chemical Thermodynamics</i> , <b>2016</b> , 96, 52-56	2.9	4
72	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> , <b>2016</b> , 220, 33-40	6	23
71	Isothermal vapour-liquid equilibrium data for the binary systems of (CHF <sub>3</sub> or C <sub>2</sub> F <sub>6</sub> ) and n-heptane. <i>Journal of Chemical Thermodynamics</i> , <b>2016</b> , 102, 237-247	2.9	5
70	Equilibrium data and GC-PC SAFT predictions for furanic extraction. <i>Fluid Phase Equilibria</i> , <b>2016</b> , 430, 57-66	2.5	7
69	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> , <b>2015</b> , 394, 88-92	2.5	1
68	Liquid-Liquid Equilibria for Mixtures of Hexadecane and Ethanol with Imidazolium-Based Ionic Liquids. <i>Journal of Solution Chemistry</i> , <b>2015</b> , 44, 593-605	1.8	9
67	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> , <b>2015</b> , 90, 100-105	2.9	3
66	Clathrate hydrate dissociation conditions of refrigerants R404A, R406A, R408A and R427A: Experimental measurements and thermodynamic modeling. <i>Journal of Chemical Thermodynamics</i> , <b>2015</b> , 90, 193-198	2.9	11
65	Experimental Measurements and Thermodynamic Modeling of Hydrate Dissociation Conditions for the Xenon + TBAB + Water System. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2015</b> , 60, 1324-1330	2.8	8
64	Phase equilibria study of binary systems comprising an (ionic liquid+hydrocarbon). <i>Journal of Chemical Thermodynamics</i> , <b>2015</b> , 83, 90-96	2.9	7
63	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> , <b>2015</b> , 119, 1503-14	3.4	42
62	Effects of alkyl group and temperature on the interactions between furfural and alcohol: Insight from density and sound velocity studies. <i>Thermochimica Acta</i> , <b>2015</b> , 599, 13-22	2.9	29
61	Experimental study and modeling of the kinetics of refrigerant hydrate formation. <i>Journal of Chemical Thermodynamics</i> , <b>2015</b> , 82, 47-52	2.9	29
60	(Liquid + liquid) equilibria for mixtures of dodecane and ethanol with alkylsulfate-based ionic liquids. <i>Journal of Chemical Thermodynamics</i> , <b>2015</b> , 81, 95-100	2.9	12
59	Experimental measurements and thermodynamic modeling of refrigerant hydrates dissociation conditions. <i>Journal of Chemical Thermodynamics</i> , <b>2015</b> , 80, 30-40	2.9	30
58	Kinetic and thermodynamic behaviour of CF <sub>4</sub> clathrate hydrates. <i>Journal of Chemical Thermodynamics</i> , <b>2015</b> , 81, 52-59	2.9	26
57	Phase equilibrium data for potentially hazardous binary mixtures involving dichlorosilane, trichlorosilane and silicon-tetrachloride. <i>Journal of Chemical Thermodynamics</i> , <b>2015</b> , 91, 420-426	2.9	4

56	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> , <b>2015</b> , 406, 156-162	2.5	6
55	Phase Equilibria of Clathrate Hydrates of Ethyne + Propene. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2015</b> , 60, 217-221	2.8	10
54	Effect of the alkyl side chain of the 1-alkylpiperidinium-based ionic liquids on desulfurization of fuels. <i>Journal of Chemical Thermodynamics</i> , <b>2014</b> , 72, 31-36	2.9	35
53	Volumetric, Acoustic and Refractive Index for the Binary System (Butyric acid + Hexanoic acid) at Different Temperatures. <i>Journal of Solution Chemistry</i> , <b>2014</b> , 43, 787-803	1.8	19
52	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> , <b>2014</b> , 70, 245-252	2.9	31
51	Experimental Measurement and Thermodynamic Modeling of Hydrate Dissociation Conditions for the Argon + TBAB + Water System. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2014</b> , 59, 3900-3906	2.8	13
50	Experimental Measurements and Thermodynamic Modeling of Clathrate Hydrate Dissociation Conditions for Refrigerants R116, R23, and Their Mixture R508B. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2014</b> , 59, 3907-3911	2.8	15
49	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> , <b>2014</b> , 380, 18-27	2.5	4
48	Vapor-liquid Equilibrium Data for 1-Methyl-2-Pyrrolidone + (1-Butanol or 1-Hexene or Water) Binary Mixtures. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2014</b> , 59, 1643-1650	2.8	6
47	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> , <b>2014</b> , 78, 7-15	2.9	27
46	Influence of alkyl group and temperature on thermophysical properties of carboxylic acid and their binary mixtures. <i>Thermochimica Acta</i> , <b>2014</b> , 590, 151-159	2.9	23
45	Phase Equilibria of Clathrate Hydrates of Ethyne + Propane. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2014</b> , 59, 2914-2919	2.8	19
44	Experimental Measurements and Thermodynamic Modeling of the Dissociation Conditions of Clathrate Hydrates for (Refrigerant + NaCl + Water) Systems. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2014</b> , 59, 466-475	2.8	54
43	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> , <b>2014</b> , 375, 201-208	2.5	2
42	Solubility data and modeling for sugar alcohols in ionic liquids. <i>Journal of Chemical Thermodynamics</i> , <b>2014</b> , 77, 23-30	2.9	4
41	Solubility of ionic liquids in 2-phenylethanol (PEA) and water. <i>Fluid Phase Equilibria</i> , <b>2014</b> , 376, 55-63	2.5	14
40	Experimental Measurements and Thermodynamic Modeling of the Dissociation Conditions of Clathrate Hydrates for (Refrigerant + NaCl + Water) Systems. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2013</b> , 58, 2695-2695	2.8	4
39	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> , <b>2013</b> , 61, 18-26	2.9	9

38	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> , <b>2013</b> , 353, 7-14	2.5	12
37	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 &amp; Engineering Data</i> , <b>2013</b> , 58, 2552-2566	2.8	3
36	Activity coefficients at infinite dilution of organic solutes in diethylene glycol and triethylene glycol from gas-liquid chromatography. <i>Journal of Chemical Thermodynamics</i> , <b>2013</b> , 65, 120-130	2.9	7
35	Activity coefficients at infinite dilution of organic solutes in N-formylmorpholine and N-methylpyrrolidone from gas-liquid chromatography. <i>Journal of Chemical Thermodynamics</i> , <b>2013</b> , 61, 154-160	2.9	8
34	Dissociation Data and Thermodynamic Modeling of Clathrate Hydrates of Ethene, Ethyne, and Propene. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2013</b> , 58, 3259-3264	2.8	28
33	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> , <b>2013</b> , 337, 234-245	2.5	20
32	A novel static analytical apparatus for phase equilibrium measurements. <i>Fluid Phase Equilibria</i> , <b>2013</b> , 338, 188-196	2.5	27
31	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> , <b>2013</b> , 65, 159-167	2.9	14
30	Experimental (vapour + liquid) equilibrium data and modelling for binary mixtures of decafluorobutane with propane and 1-butene. <i>Journal of Chemical Thermodynamics</i> , <b>2013</b> , 67, 134-142	2.9	10
29	Isothermal Vapor-liquid Equilibrium Data for the Butan-2-one + Methanol or Ethanol Systems Using a Static-Analytic Microcell. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2013</b> , 58, 1280-1287	2.8	9
28	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> , <b>2013</b> , 57, 203-211	2.9	50
27	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> , <b>2013</b> , 57, 485-492	2.9	14
26	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 &amp; Engineering Data</i> , <b>2013</b> , 58, 1316-1320	2.8	7
25	Phase Equilibria of Clathrate Hydrates of Ethane + Ethene. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2013</b> , 58, 896-901	2.8	25
24	Phase equilibrium measurements for semi-clathrate hydrates of the (CO <sub>2</sub> +N <sub>2</sub> +tetra-n-butylammonium bromide) aqueous solution system. <i>Journal of Chemical Thermodynamics</i> , <b>2012</b> , 46, 57-61	2.9	91
23	Application of gas hydrate formation in separation processes: A review of experimental studies. <i>Journal of Chemical Thermodynamics</i> , <b>2012</b> , 46, 62-71	2.9	403
22	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> , <b>2012</b> , 49, 46-53	2.9	15
21	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 &amp; Engineering Data</i> , <b>2012</b> , 57, 2520-2527	2.8	8

20	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 &amp; Engineering Data</i> , <b>2012</b> , 57, 2947-2955	2.8	15
19	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 &amp; Engineering Data</i> , <b>2012</b> , 57, 862-868	2.8	5
18	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 &amp; Engineering Data</i> , <b>2012</b> , 57, 2053-2058	2.8	10
17	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 &amp; Engineering Data</i> , <b>2011</b> , 56, 74-78	2.8	13
16	Phase Equilibria of Methane and Carbon Dioxide Clathrate Hydrates in the Presence of Aqueous Solutions of Tributylmethylphosphonium Methylsulfate Ionic Liquid. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2011</b> , 56, 3620-3629	2.8	115
15	Liquid-Liquid Equilibria of Methanol, Ethanol, and Propan-2-ol with Water and Dodecane. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2011</b> , 56, 4139-4146	2.8	18
14	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> , <b>2011</b> , 43, 670-676	2.9	16
13	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> , <b>2011</b> , 43, 829-833	2.9	17
12	Isothermal Vapor-Liquid Equilibrium Data for the Perfluorobutane (R610) + Ethane System at Temperatures from (263 to 353) K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2011</b> , 56, 1918-1924	2.8	29
11	Experimental Measurement of Vapor Pressures and Densities at Saturation of Pure Hexafluoropropylene Oxide: Modeling Using a Crossover Equation of State. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 4761-4768	3.9	21
10	Pure Component and Binary Vapor-Liquid Equilibrium + Modeling for Hexafluoropropylene and Hexafluoropropylene Oxide with Toluene and Hexafluoroethane. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2010</b> , 55, 411-418	2.8	15
9	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2010</b> , 55, 2093-2099	2.8	41
8	Isothermal Vapor-Liquid Equilibrium Data for the Hexafluoropropylene (R1216) + Propylene System at Temperatures from (263.17 to 353.14) K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2010</b> , 55, 1636-1639	2.8	21
7	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> , <b>2010</b> , 42, 78-83	2.9	48
6	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> , <b>2010</b> , 42, 646-650	2.9	21
5	Ternary Liquid-Liquid Equilibria of Acetonitrile and Water with Heptanoic Acid and Nonanol at 323.15 K and 1 atm. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2009</b> , 54, 735-738	2.8	16
4	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> , <b>2009</b> , 276, 31-36	2.5	39
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- 1 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. *Journal of Chemical Thermodynamics*, **2008**, 40, 1243-1247 2.9 40