

Deresh Ramjugernath

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8831341/publications.pdf>

Version: 2024-02-01

314
papers

6,638
citations

101384

36
h-index

110170

64
g-index

317
all docs

317
docs citations

317
times ranked

4716
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of gas hydrate formation in separation processes: A review of experimental studies. <i>Journal of Chemical Thermodynamics</i> , 2012, 46, 62-71.	1.0	469
2	Estimation of pure component properties. <i>Fluid Phase Equilibria</i> , 2008, 269, 117-133.	1.4	249
3	Estimation of pure component properties. <i>Fluid Phase Equilibria</i> , 2004, 226, 45-63.	1.4	233
4	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.	1.0	138
5	Estimation of pure component properties. <i>Fluid Phase Equilibria</i> , 2007, 252, 1-27.	1.4	137
6	Activity Coefficients at Infinite Dilution of Organic Solutes in 1-Hexyl-3-methylimidazolium Hexafluorophosphate from Gas-Liquid Chromatography. <i>Journal of Chemical & Engineering Data</i> , 2003, 48, 708-711.	1.0	127
7	Estimation of the vapour pressure of non-electrolyte organic compounds via group contributions and group interactions. <i>Journal of Molecular Liquids</i> , 2008, 143, 52-63.	2.3	107
8	Liquid-Liquid Equilibria for Ternary Mixtures (an Ionic Liquid + Benzene + Heptane or Hexadecane) at T = 298.2 K and Atmospheric Pressure. <i>Journal of Chemical & Engineering Data</i> , 2006, 51, 988-991.	1.0	103
9	Assessment of Carbon Dioxide Dissociation as a New Route for Syngas Production: A Comparative Review and Potential of Plasma-Based Technologies. <i>Energy & Fuels</i> , 2013, 27, 2712-2722.	2.5	103
10	Valorisation of chicken feathers: Characterisation of chemical properties. <i>Waste Management</i> , 2017, 68, 626-635.	3.7	102
11	Activity coefficients of hydrocarbon solutes at infinite dilution in the ionic liquid, 1-methyl-3-octyl-imidazolium chloride from gas-liquid chromatography. <i>Journal of Chemical Thermodynamics</i> , 2003, 35, 1335-1341.	1.0	99
12	Phase equilibrium measurements for semi-clathrate hydrates of the (CO ₂ +N ₂ +tetra-n-butylammonium) Tj ETQq0 0,0rgBT /Overlock 10	1.0	96
13	Ternary Liquid-Liquid Equilibria for Mixtures of 1-Methyl-3-octylimidazolium Chloride + an Alkanol + an Alkane at 298.2 K and 1 bar. <i>Journal of Chemical & Engineering Data</i> , 2003, 48, 904-907.	1.0	95
14	Excess molar volumes of binary mixtures (an ionic liquid+water): A review. <i>Journal of Chemical Thermodynamics</i> , 2015, 82, 34-46.	1.0	92
15	Valorisation of chicken feathers: a review on recycling and recovery route—current status and future prospects. <i>Clean Technologies and Environmental Policy</i> , 2017, 19, 2363-2378.	2.1	89
16	Membrane distillation of concentrated brines—Role of water activities in the evaluation of driving force. <i>Journal of Membrane Science</i> , 2006, 280, 937-947.	4.1	84
17	Phosphonium Salts in Asymmetric Catalysis: A Journey in a Decade's Extensive Research Work. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 3676-3706.	2.1	77
18	Measurements of activity coefficients at infinite dilution of organic compounds and water in isoquinolinium-based ionic liquid [C ₈ Quin][NTf ₂] using GLC. <i>Journal of Chemical Thermodynamics</i> , 2011, 43, 499-504.	1.0	75

#	ARTICLE	IF	CITATIONS
19	Valorisation of chicken feathers: Characterisation of physical properties and morphological structure. Journal of Cleaner Production, 2017, 149, 349-365.	4.6	74
20	Liquid-liquid phase equilibrium of (piperidinium-based ionic liquid + an alcohol) binary systems and modelling with NRHB and PCP-SAFT. Fluid Phase Equilibria, 2011, 305, 43-52.	1.4	70
21	Development of a group contribution method for determination of viscosity of ionic liquids at atmospheric pressure. Chemical Engineering Science, 2012, 80, 326-333.	1.9	68
22	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
23	Density, speed of sound, and refractive index measurements for the binary systems (butanoic) Tj ETQq1 1 0.784314 rgBT /Overlock 107 Thermodynamics, 2013, 57, 203-211.	1.0	55
24	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 ETQq00 0 rgBT /Overlock 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
25	Determination of critical properties of pure and multi-component mixtures using a "dynamic" synthetic apparatus. Journal of Supercritical Fluids, 2010, 55, 545-553.	1.6	50
26	Development of a group contribution method for the estimation of heat capacities of ionic liquids. Journal of Thermal Analysis and Calorimetry, 2014, 115, 1863-1882.	2.0	47
27	Valorisation of chicken feathers: Characterisation of thermal, mechanical and electrical properties. Sustainable Chemistry and Pharmacy, 2018, 9, 27-34.	1.6	46
28	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene. Journal of Chemical & Engineering Data, 2010, 55, 2093-2099.	1.0	44
29	Experimental measurements and thermodynamic modeling of refrigerant hydrates dissociation conditions. Journal of Chemical Thermodynamics, 2015, 80, 30-40.	1.0	42
30	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 ETQq1.0 0.784314 rgBT 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
31	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
32	Activity coefficients at infinite dilution for solutes in the trioctylmethylammonium bis(trifluoromethylsulfonyl)imide ionic liquid using gas-liquid chromatography. Journal of Chemical Thermodynamics, 2010, 42, 256-261.	1.0	41
33	Phase equilibria of methane clathrate hydrates from Grand Canonical Monte Carlo simulations. Fluid Phase Equilibria, 2014, 369, 47-54.	1.4	41
34	The 3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyl tetrazolium bromide (MTT) assay is a rapid, cheap, screening test for the in vitro anti-tuberculous activity of chalcones. Journal of Microbiological Methods, 2014, 104, 72-78.	0.7	40

#	ARTICLE	IF	CITATIONS
37	Reliable method for the determination of surfactant retention in porous media during chemical flooding oil recovery. <i>Fuel</i> , 2015, 158, 122-128.	3.4	39
38	Isobaric Vapor-Liquid Equilibria for the Systems Propionic Acid + Butyric Acid, Isobutyric Acid + Butyric Acid, Butyric Acid + Isovaleric Acid, and Butyric Acid + Hexanoic Acid at 14 kPa. <i>Journal of Chemical & Engineering Data</i> , 2002, 47, 603-607.	1.0	38
39	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.	1.0	38
40	Effect of temperature on density, sound velocity, and their derived properties for the binary systems glycerol with water or alcohols. <i>Journal of Chemical Thermodynamics</i> , 2017, 109, 124-136.	1.0	37
41	A new high-pressure vapour-liquid equilibrium apparatus. <i>Fluid Phase Equilibria</i> , 2008, 269, 104-112.	1.4	36
42	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.	1.0	36
43	Fluid-phase-equilibrium prediction of fluorocompound-containing binary systems with the predictive E-PPR78 model. <i>International Journal of Refrigeration</i> , 2017, 73, 65-90.	1.8	36
44	Quantitative structure-property relationship for thermal decomposition temperature of ionic liquids. <i>Chemical Engineering Science</i> , 2012, 84, 557-563.	1.9	35
45	Experimental study and modeling of the kinetics of refrigerant hydrate formation. <i>Journal of Chemical Thermodynamics</i> , 2015, 82, 47-52.	1.0	35
46	Estimation of pure component properties. Part 4: Estimation of the saturated liquid viscosity of non-electrolyte organic compounds via group contributions and group interactions. <i>Fluid Phase Equilibria</i> , 2009, 281, 97-119.	1.4	32
47	Kinetic and thermodynamic behaviour of CF ₄ clathrate hydrates. <i>Journal of Chemical Thermodynamics</i> , 2015, 81, 52-59.	1.0	32
48	Dissociation Data and Thermodynamic Modeling of Clathrate Hydrates of Ethene, Ethyne, and Propene. <i>Journal of Chemical & Engineering Data</i> , 2013, 58, 3259-3264.	1.0	31
49	State of the art and kinetics of refrigerant hydrate formation. <i>International Journal of Refrigeration</i> , 2019, 98, 410-427.	1.8	31
50	Isothermal Vapor-Liquid Equilibrium Data for the Hexafluoroethane (R116) + Propane System at Temperatures from (263 to 323) K. <i>Journal of Chemical & Engineering Data</i> , 2009, 54, 1292-1296.	1.0	30
51	A novel static analytical apparatus for phase equilibrium measurements. <i>Fluid Phase Equilibria</i> , 2013, 338, 188-196.	1.4	30
52	Development of a LSSVM-GC model for estimating the electrical conductivity of ionic liquids. <i>Chemical Engineering Research and Design</i> , 2014, 92, 66-79.	2.7	30
53	Gas-liquid mass transfer in a falling film microreactor: Effect of reactor orientation on liquid-side mass transfer coefficient. <i>Chemical Engineering Science</i> , 2016, 155, 38-44.	1.9	30
54	Subatmospheric Vapor Pressure Curves for Propionic Acid, Butyric Acid, Isobutyric Acid, Valeric Acid, Isovaleric Acid, Hexanoic Acid, and Heptanoic Acid. <i>Journal of Chemical & Engineering Data</i> , 2004, 49, 1189-1192.	1.0	29

#	ARTICLE	IF	CITATIONS
55	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
56	Isothermal vapor-liquid equilibrium data for the carbon dioxide (R744)+decafluorobutane (R610) system at temperatures from 263 to 353K. Fluid Phase Equilibria, 2011, 304, 44-51.	1.4	29
57	Valorisation of chicken feathers: Application in paper production. Journal of Cleaner Production, 2017, 164, 1324-1331.	4.6	29
58	Phase Equilibria of Clathrate Hydrates of Ethane + Ethene. Journal of Chemical & Engineering Data, 2013, 58, 896-901.	1.0	28
59	Effects of temperature and concentration on interactions in methanol + ethyl acetate and ethanol + methyl acetate or ethyl acetate systems: Insights from apparent molar volume and apparent molar isentropic compressibility study. Thermochimica Acta, 2014, 577, 87-94.	1.2	28
60	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
61	Valorisation of avocado seeds: extraction and characterisation of starch for textile applications. Clean Technologies and Environmental Policy, 2018, 20, 2135-2154.	2.1	28
62	Phase Equilibria and Modeling of Pyridinium-Based Ionic Liquid Solutions. Journal of Physical Chemistry B, 2010, 114, 15011-15017.	1.2	27
63	A non-linear quantitative structure-property relationship for the prediction of electrical conductivity of ionic liquids. Chemical Engineering Science, 2013, 101, 478-485.	1.9	27
64	Vapor-liquid equilibrium of carboxylic acid systems: Propionic acid+valeric acid and isobutyric acid+valeric acid. Fluid Phase Equilibria, 2005, 237, 89-99.	1.4	26
65	Vapor-liquid equilibrium in the n-butane+methanol system, measurement and modeling from 323.2 to 443.2K. Fluid Phase Equilibria, 2009, 277, 152-161.	1.4	26
66	Development of a general model for determination of thermal conductivity of liquid chemical compounds at atmospheric pressure. AIChE Journal, 2013, 59, 1702-1708.	1.8	26
67	A corresponding states-based method for the estimation of natural gas compressibility factors. Journal of Molecular Liquids, 2016, 216, 25-34.	2.3	26
68	Rapid method for the estimation of dew point pressures in gas condensate reservoirs. Journal of the Taiwan Institute of Chemical Engineers, 2016, 60, 258-266.	2.7	26
69	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) ETQq1 1 0.784314 25 BT /Over	1.0	26
70	Vapor-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
71	Prediction of refractive indices of ionic liquids - A quantitative structure-property relationship based model. Journal of the Taiwan Institute of Chemical Engineers, 2015, 52, 165-180.	2.7	25
72	Estimation of the Heat Capacity of Ionic Liquids: A Quantitative Structure-Property Relationship Approach. Industrial & Engineering Chemistry Research, 2013, 52, 13217-13221.	1.8	24

#	ARTICLE	IF	CITATIONS
73	Activity coefficients at infinite dilution of organic solutes in the ionic liquid PEG-5 cocomonium methylsulfate at T=(313.15, 323.15, 333.15, and 343.15)K: Experimental results and COSMO-RS predictions. <i>Journal of Chemical Thermodynamics</i> , 2013, 58, 322-329.	1.0	24
74	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.	1.0	24
75	Valorisation of chicken feather barbs: Utilisation in yarn production and technical textile applications. <i>Sustainable Chemistry and Pharmacy</i> , 2018, 8, 38-49.	1.6	24
76	Monte Carlo Simulation of Carboxylic Acid Phase Equilibria. <i>Journal of Physical Chemistry B</i> , 2006, 110, 21938-21943.	1.2	23
77	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.	1.0	23
78	A group contribution model for determining the sublimation enthalpy of organic compounds at the standard reference temperature of 298K. <i>Fluid Phase Equilibria</i> , 2013, 354, 265-285.	1.4	23
79	Determination of the normal boiling point of chemical compounds using a quantitative structure-property relationship strategy: Application to a very large dataset. <i>Fluid Phase Equilibria</i> , 2013, 354, 250-258.	1.4	23
80	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.	1.4	23
81	Hydrate phase equilibria for CO ₂ , CH ₄ , or N ₂ +Tetrabutylphosphonium bromide (TBPB) aqueous solution. <i>Fluid Phase Equilibria</i> , 2016, 411, 88-92.	1.4	23
82	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.	1.8	22
83	Phase Equilibria Study of {N-Hexylisoquinolinium bis{(trifluoromethyl)sulfonyl}imide + Aromatic Hydrocarbons or an Alcohol} Binary Systems. <i>Journal of Physical Chemistry B</i> , 2011, 115, 4003-4010.	1.2	22
84	Development of a group contribution method for estimating the thermal decomposition temperature of ionic liquids. <i>Fluid Phase Equilibria</i> , 2013, 355, 81-86.	1.4	22
85	Application of the bio-inspired Krill Herd optimization technique to phase equilibrium calculations. <i>Computers and Chemical Engineering</i> , 2015, 74, 75-88.	2.0	22
86	Synthesis, in vitro antimicrobial, antioxidant, and antidiabetic activities of thiazolidine-quinoxaline derivatives with amino acid side chains. <i>Medicinal Chemistry Research</i> , 2017, 26, 2141-2151.	1.1	22
87	Valorisation of mango seed via extraction of starch: preliminary techno-economic analysis. <i>Clean Technologies and Environmental Policy</i> , 2018, 20, 81-94.	2.1	22
88	Kinetic study of hydrate formation for argon + TBAB + SDS aqueous solution system. <i>Journal of Chemical Thermodynamics</i> , 2018, 116, 121-129.	1.0	22
89	Phase equilibria study of {N-butylquinolinium bis{(trifluoromethyl)sulfonyl}imide + aromatic hydrocarbons, or an alcohol} binary systems. <i>Journal of Chemical Thermodynamics</i> , 2010, 42, 1180-1186.	1.0	21
90	(Solid + liquid) and (liquid + liquid) phase equilibria study and correlation of the binary systems {N-butyl-3-methylpyridinium tosylate + water, or + an alcohol, or + a hydrocarbon}. <i>Fluid Phase Equilibria</i> , 2010, 294, 89-97.	1.4	21

#	ARTICLE	IF	CITATIONS
91	Hydrocarbons synthesis from syngas by very high pressure plasma. Chemical Engineering Journal, 2014, 241, 1-8.	6.6	21
92	Experimental Measurements and Thermodynamic Modeling of Clathrate Hydrate Dissociation Conditions for Refrigerants R116, R23, and Their Mixture R508B. Journal of Chemical & Engineering Data, 2014, 59, 3907-3911.	1.0	21
93	Phase Equilibria of Clathrate Hydrates of Ethyne + Propane. Journal of Chemical & Engineering Data, 2014, 59, 2914-2919.	1.0	21
94	A group contribution model for prediction of the viscosity with temperature dependency for fluorine-containing ionic liquids. Journal of Fluorine Chemistry, 2016, 186, 19-27.	0.9	21
95	A group contribution method for determination of the standard molar chemical exergy of organic compounds. Energy, 2014, 70, 288-297.	4.5	20
96	Phase stability conditions of carbon dioxide and methane clathrate hydrates in the presence of KBr, CaBr ₂ , MgCl ₂ , HCOONa, and HCOOK aqueous solutions: Experimental measurements and thermodynamic modelling. Journal of Chemical Thermodynamics, 2017, 115, 307-317.	1.0	20
97	Valorisation of waste chicken feathers: Optimisation of decontamination and pre-treatment with bleaching agents using response surface methodology. Sustainable Chemistry and Pharmacy, 2018, 8, 21-37.	1.6	20
98	Beneficiation of pulp and paper mill sludge: production and characterisation of functionalised crystalline nanocellulose. Clean Technologies and Environmental Policy, 2018, 20, 1835-1845.	2.1	20
99	Separation of an Alcohol and a Tetrahydrofuran, Methyl <i>tert</i> -Butyl Ether, or Ethyl <i>tert</i> -Butyl Ether by Solvent Extraction with a Hyperbranched Polymer at $T = 298.15$ K. Journal of Chemical & Engineering Data, 2010, 55, 2879-2885.	1.0	19
100	Activity coefficients at infinite dilution of organic solutes in the ionic liquid 1-butyl-3-methylimidazolium hexafluoroantimonate using gas-liquid chromatography at $T = (313.15, T_j) \pm 0.01$ K. Journal of Chemical & Engineering Data, 2010, 55, 2879-2885.	1.0	19
101	A group contribution model for determining the vaporization enthalpy of organic compounds at the standard reference temperature of 298K. Fluid Phase Equilibria, 2013, 360, 279-292.	1.4	19
102	A group contribution method for estimating the refractive indices of ionic liquids. Journal of Molecular Liquids, 2014, 200, 410-415.	2.3	19
103	On the prediction of critical temperatures of ionic liquids: Model development and evaluation. Fluid Phase Equilibria, 2016, 411, 24-32.	1.4	19
104	Pure Component and Binary Vapor-Liquid Equilibrium + Modeling for Hexafluoropropylene and Hexafluoropropylene Oxide with Toluene and Hexafluoroethane. Journal of Chemical & Engineering Data, 2010, 55, 411-418.	1.0	18
105	Liquid-Liquid Equilibria of Methanol, Ethanol, and Propan-2-ol with Water and Dodecane. Journal of Chemical & Engineering Data, 2011, 56, 4139-4146.	1.0	18
106	Activity coefficients at infinite dilution of organic solutes in the ionic liquid trihexyl(tetradecyl)phosphonium tetrafluoroborate using gas-liquid chromatography at $T = (313.15, T_j) \pm 0.01$ K. Journal of Chemical & Engineering Data, 2010, 55, 2879-2885.	1.0	18
107	Activity coefficients at infinite dilution of organic solutes in the ionic liquid trihexyltetradecylphosphonium hexafluorophosphate using gas-liquid chromatography at $T = (313.15, T_j) \pm 0.01$ K. Journal of Chemical & Engineering Data, 2010, 55, 2879-2885.	1.0	18
108	An assessment test for phase equilibrium data of water soluble and insoluble clathrate hydrate formers. Fluid Phase Equilibria, 2013, 360, 68-76.	1.4	18

#	ARTICLE	IF	CITATIONS
109	Experimental Clathrate Hydrate Dissociation Data for Systems Comprising Refrigerant + CaCl ₂ Aqueous Solutions. Journal of Chemical & Engineering Data, 2016, 61, 827-836.	1.0	18
110	Screening of environmental friendly ionic liquid as a solvent for the different types of separations problem: Insight from activity coefficients at infinite dilution measurement using (gas + liquid) chromatography technique. Journal of Chemical Thermodynamics, 2016, 92, 35-42.	1.0	18
111	Vapor-Liquid equilibrium measurements and modeling of the n-butane+ethanol system from 323 to 423K. Fluid Phase Equilibria, 2009, 286, 79-87.	1.4	17
112	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. Journal of Chemical Thermodynamics, 2013, 65, 159-167.	1.0	17
113	Development of a quantitative structure-liquid thermal conductivity relationship for pure chemical compounds. Fluid Phase Equilibria, 2013, 355, 52-80.	1.4	17
114	Influence of unlike dispersion interactions in modeling methane clathrate hydrates. Fluid Phase Equilibria, 2014, 381, 108-115.	1.4	17
115	Separation of thiophene from octane/hexadecane with ionic liquids in ternary liquid-liquid phase equilibrium. Fluid Phase Equilibria, 2020, 509, 112467.	1.4	17
116	Activity coefficients at infinite dilution of organic solutes in the ionic liquid, methyl(trioctyl)ammonium thiosalicylate, [N1888][TS] by gas-liquid chromatography at T=(303.15,) Tj ETQqO OjOrgBT /Overlock 10	1.0	16
117	Vapor-Liquid Equilibrium Measurements and Modeling for the Ethane (R-170) + 1,1,2,3,3,3-Hexafluoro-1-propene (R-1216) Binary System. Journal of Chemical & Engineering Data, 2012, 57, 2947-2955.	1.0	16
118	Determination of the speed of sound in ionic liquids using a least squares support vector machine group contribution method. Fluid Phase Equilibria, 2014, 367, 188-193.	1.4	16
119	Experimental Measurement and Thermodynamic Modeling of Hydrate Dissociation Conditions for the Argon + TBAB + Water System. Journal of Chemical & Engineering Data, 2014, 59, 3900-3906.	1.0	16
120	Group Contribution Model for the Prediction of Refractive Indices of Organic Compounds. Journal of Chemical & Engineering Data, 2014, 59, 1930-1943.	1.0	16
121	Solubility of ionic liquids in 2-phenylethanol (PEA) and water. Fluid Phase Equilibria, 2014, 376, 55-63.	1.4	16
122	Clathrate hydrate dissociation conditions for refrigerant+sucrose aqueous solution: Experimental measurement and thermodynamic modelling. Fluid Phase Equilibria, 2016, 413, 99-109.	1.4	16
123	Vapor-Liquid Equilibrium for Binary Systems of 2,3-Pentanedione with Diacetyl and Acetone. Journal of Chemical & Engineering Data, 2008, 53, 745-749.	1.0	15
124	Experimental Study of Hydrocarbons Synthesis from Syngas by a Tip Electrical Discharge at Very High Pressure. Plasma Chemistry and Plasma Processing, 2011, 31, 663-679.	1.1	15
125	Ternary Liquid-Liquid Equilibrium Data for the Water + Acetonitrile + {Butan-1-ol or 2-Methylpropan-1-ol} Systems at (303.2, 323.2, 343.2) K and 1 atm. Journal of Chemical & Engineering Data, 2014, 59, 3820-3824.	1.0	15
126	Isothermal (vapour + liquid) equilibrium data for binary systems of (n-hexane + CO ₂ or CHF ₃). Journal of Chemical Thermodynamics, 2016, 94, 31-42.	1.0	15

#	ARTICLE	IF	CITATIONS
127	Model evaluation for the prediction of solubility of active pharmaceutical ingredients (APIs) to guide solid-liquid separator design. Asian Journal of Pharmaceutical Sciences, 2018, 13, 265-278.	4.3	15
128	Thermodynamics and activity coefficients at infinite dilution for organic solutes in the ionic liquid 1-butyl-1-methylpyrrolidinium dicyanamide. Fluid Phase Equilibria, 2018, 473, 175-182.	1.4	15
129	A novel dynamic recirculating apparatus for vapour-liquid equilibrium measurements at moderate pressures and temperatures. Fluid Phase Equilibria, 2013, 358, 121-130.	1.4	14
130	Solid-liquid equilibria measurements for binary systems comprising (butyric acid+propionic or) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 Chemical Thermodynamics, 2013, 57, 485-492.	1.0	14
131	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
132	CO ₂ Solubility in Hybrid Solvents Containing 1-Butyl-3-methylimidazolium Tetrafluoroborate and Mixtures of Alkanolamines. Journal of Chemical & Engineering Data, 2015, 60, 2380-2391.	1.0	14
133	Equilibrium data and GC-PC SAFT predictions for furanic extraction. Fluid Phase Equilibria, 2016, 430, 57-66.	1.4	14
134	Vapor-liquid equilibria, density and sound velocity measurements of (water or methanol or ethanol +) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	1.2	14
135	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. Journal of Chemical & Engineering Data, 2012, 57, 2053-2058.	1.0	13
136	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
137	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
138	Dry reforming of methane in a tip-arc discharge reactor at very high pressure. International Journal of Hydrogen Energy, 2015, 40, 3388-3401.	3.8	13
139	Experimental solubility for betulin and estrone in various solvents within the temperature range T=(293.2 to 328.2) K. Journal of Chemical Thermodynamics, 2016, 98, 42-50.	1.0	13
140	Phase stability conditions for clathrate hydrate formation in (fluorinated refrigerant+water+single) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 modelling. Journal of Chemical Thermodynamics, 2019, 136, 59-76.	1.0	13
141	Ternary liquid-liquid phase equilibria of {ionic liquid+thiophene+ (octane/hexadecane)}. Journal of Chemical Thermodynamics, 2019, 134, 157-163.	1.0	13
142	Determination of activity coefficients at infinite dilution of water and organic solutes (polar and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 Thermodynamics, 2011, 43, 1178-1184.	1.0	12
143	Absorption Data and Modeling of Carbon Dioxide in Aqueous Blends of Bis(2-hydroxyethyl)methylamine (MDEA) and 2,2-Iminodiethanol (DEA): 25 % MDEA + 25 % DEA and 30 % MDEA + 20 % DEA. Journal of Chemical & Engineering Data, 2012, 57, 1607-1620.	1.0	12
144	Copper-catalysed cross-coupling affected by the Smiles rearrangement: a new chapter on diversifying the synthesis of chiral fluorinated 1,4-benzoxazine derivatives. RSC Advances, 2015, 5, 83576-83580.	1.7	12

#	ARTICLE	IF	CITATIONS
145	(Liquid + liquid) equilibria for mixtures of dodecane and ethanol with alkylsulfate-based ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2015, 81, 95-100.	1.0	12
146	Experimental measurements and thermodynamic modeling of the cloud point pressure for solubility of copolymers of vinyl acetate and dibutyl maleate in supercritical CO ₂ . <i>Fluid Phase Equilibria</i> , 2016, 425, 136-142.	1.4	12
147	Optimisation of surfactant decontamination and pre-treatment of waste chicken feathers by using response surface methodology. <i>Waste Management</i> , 2018, 72, 371-388.	3.7	12
148	Phase Stability Conditions for Clathrate Hydrates Formation in CO ₂ + (NaCl or Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 632 T Measurements and Thermodynamic Modeling. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 4638-4646.	1.0	12
149	Ternary Liquid-Liquid Equilibria for Pseudoternary Mixtures Containing an Alkane + an Aromatic Hydrocarbon + {N-Methyl-2-pyrrolidinone + a Solvent} at 298.2 K and 1 atm. <i>Journal of Chemical & Engineering Data</i> , 2001, 46, 1375-1380.	1.0	11
150	High pressure vapor-liquid equilibrium measurements of carbon dioxide with naphthalene and benzoic acid. <i>Fluid Phase Equilibria</i> , 2007, 260, 60-64.	1.4	11
151	Vapor-liquid equilibria of ethylene (C ₂ H ₄)+decafluorobutane (C ₄ F ₁₀) at 268-298K from experiment, molecular simulation and the Peng-Robinson equation of state. <i>Fluid Phase Equilibria</i> , 2012, 336, 104-112.	1.4	11
152	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.	1.0	11
153	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.	1.0	11
154	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.	1.0	11
155	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.	1.0	11
156	Review of carbon dioxide capture and storage with relevance to the South African power sector. <i>South African Journal of Science</i> , 2014, 110, 12.	0.3	11
157	Phase Equilibria of Clathrate Hydrates of Ethyne + Propene. <i>Journal of Chemical & Engineering Data</i> , 2015, 60, 217-221.	1.0	11
158	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.	1.0	11
159	Extraction of 2-phenylethanol (PEA) from aqueous phases using tetracyanoborate-based ionic liquids. <i>Journal of Molecular Liquids</i> , 2016, 224, 1124-1130.	2.3	11
160	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
161	<i>P</i> -Data and Modeling for Propan-1-ol + <i>n</i> -Octane or <i>n</i> -Nonane or <i>n</i> -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
162	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

#	ARTICLE	IF	CITATIONS
163	Rigorous characterization of static and dynamic apparatus for measuring limiting activity coefficients. <i>Fluid Phase Equilibria</i> , 2001, 187-188, 473-487.	1.4	10
164	New developments in differential ebulliometry: Experimental and theoretical. <i>Journal of Molecular Liquids</i> , 2006, 125, 45-57.	2.3	10
165	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
166	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
167	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
168	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
169	Monoethanolamine as an Extractive Solvent for then-Hexane + Benzene, Cyclohexane + Ethanol, and Acetone + Methanol Binary Systems. <i>Journal of Chemical & Engineering Data</i> , 2002, 47, 781-787.	1.0	9
170	Vapor-Liquid Equilibrium for Binary Systems of Diacetyl with Methanol and Acetone. <i>Journal of Chemical & Engineering Data</i> , 2006, 51, 2083-2087.	1.0	9
171	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
172	A chemical structure based model for the determination of speed of sound in ionic liquids. <i>Journal of Molecular Liquids</i> , 2014, 196, 7-13.	2.3	9
173	Isothermal Vapor-Liquid Equilibrium Data for the 1,1,2,2-Tetrafluoroethene + 1,1,2,3,3,3-Hexafluoroprop-1-ene Binary System: Measurement and Modeling from (248 to 283) K. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 82-88.	1.0	9
174	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
175	Phase equilibrium and critical point data for ethylene and chlorodifluoromethane binary mixtures using a new static-analytic apparatus. <i>Fluid Phase Equilibria</i> , 2017, 451, 106-113.	1.4	9
176	Ligand Free Heterogeneous Sonogashira Cross-Coupling Reaction over an in Situ Organoiodine Capsulized Palladium Anchored to a Perovskite Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 12697-12706.	3.2	9
177	Effect of temperature on intermolecular interactions between the organic solvents: Insights from density and excess volume. <i>Journal of Chemical Thermodynamics</i> , 2019, 132, 461-469.	1.0	9
178	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
179	Gas hydrate phase equilibrium in porous media: An assessment test for experimental data. <i>Fluid Phase Equilibria</i> , 2013, 360, 161-168.	1.4	8
180	Isothermal vapor-liquid equilibrium of R170+n-perfluorooctane at 308-338K: Measurement, equation of state modelling, and molecular simulation. <i>Fluid Phase Equilibria</i> , 2013, 344, 84-91.	1.4	8

#	ARTICLE	IF	CITATIONS
181	Isothermal (vapour+liquid) equilibria for binary mixtures of diisopropyl ether with (methanol, or) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Thermodynamics, 2013, 58, 330-339.	1.0	8
182	Assessment of Potential of <i>Croton gratissimus</i> Oil for Macroscale Production of Biodiesel Based on Thermophysical Properties. Energy & Fuels, 2014, 28, 7576-7581.	2.5	8
183	Vapor-Liquid Equilibrium Data for 1-Methyl-2-Pyrrolidone + (1-Butanol or 1-Hexene or Water) Binary Mixtures. Journal of Chemical & Engineering Data, 2014, 59, 1643-1650.	1.0	8
184	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. Fluid Phase Equilibria, 2015, 406, 156-162.	1.4	8
185	Influence of unlike dispersive interactions on methane adsorption in graphite: a grand canonical Monte Carlo simulation and classical density functional theory study. European Physical Journal B, 2015, 88, 1.	0.6	8
186	Isothermal Vapor-Liquid Equilibrium Data for the Binary System 1,1,2,3,3,3-Hexafluoro-1-propene (R1216) + 2,2,3-Trifluoro-3-(trifluoromethyl)oxirane from (268.13 to 308.19) K. Journal of Chemical & Engineering Data, 2015, 60, 568-573.	1.0	8
187	Phase equilibria study of binary systems comprising an (ionic liquid+hydrocarbon). Journal of Chemical Thermodynamics, 2015, 83, 90-96.	1.0	8
188	Isothermal Vapor-Liquid Equilibrium Data for the Hexafluoroethane (R116) + <i>n</i> -Butane System at Temperatures from 273 to 323 K. Journal of Chemical & Engineering Data, 2017, 62, 3483-3487.	1.0	8
189	Activity coefficients at infinite dilution of hydrocarbons in glycols: Experimental data and thermodynamic modeling with the GCA-EoS. Journal of Chemical Thermodynamics, 2017, 105, 226-237.	1.0	8
190	Experimental solubility of diosgenin and estriol in various solvents between T=(293.2-328.2)K. Journal of Chemical Thermodynamics, 2017, 106, 199-207.	1.0	8
191	Estimation of Pure Component Properties, Part 5: Estimation of the Thermal Conductivity of Nonelectrolyte Organic Liquids via Group Contributions. Journal of Chemical & Engineering Data, 2020, 65, 1300-1312.	1.0	8
192	Vapor-Liquid Equilibrium Measurements of MTBE and TAME with Toluene. Journal of Chemical & Engineering Data, 2005, 50, 56-59.	1.0	7
193	3-(3-Methoxybenzylidene)chroman-4-one. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o1006-o1006.	0.2	7
194	(E)-3-(4-Cyclohexyl-3-fluorobenzylidene)chroman-4-one. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o1972-o1972.	0.2	7
195	Isothermal Vapor-Liquid Equilibrium Data for the 1,1,2,2-Tetrafluoroethene + 1,1,2,2,3,3,4,4-Octafluorocyclobutane Binary System: Measurement and Modeling from (248 to 283) K. Journal of Chemical & Engineering Data, 2012, 57, 1978-1983.	1.0	7
196	Prediction of the solubility of selected pharmaceuticals in water and alcohols with a group contribution method. Journal of Chemical Thermodynamics, 2013, 62, 118-129.	1.0	7
197	Assessing the ability of force-fields to predict liquid-liquid equilibria of ternary systems of light alcohols+water+dodecane by Monte Carlo simulation. Fluid Phase Equilibria, 2014, 368, 65-71.	1.4	7
198	Extrapolation/interpolation of infinite dilution, activity coefficient as well as liquid and solid solubility between solvents: Part 1. Alkane solvents. Fluid Phase Equilibria, 2014, 361, 69-82.	1.4	7

#	ARTICLE	IF	CITATIONS
199	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
200	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
201	Clathrate hydrates modelled with classical density functional theory coupled with a simple lattice gas and van der Waals-Platteeuw theory. <i>Philosophical Magazine</i> , 2016, 96, 2853-2867.	0.7	7
202	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
203	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
204	Influence of temperature on thermophysical properties of tri(butyl)methylphosphonium methyl sulfate + N-methyl-2-pyrrolidone. <i>Journal of Molecular Liquids</i> , 2017, 242, 375-381.	2.3	7
205	Application of Decafluorobiphenyl (DFBP) Moiety as a Linker in Bioconjugation. <i>Bioconjugate Chemistry</i> , 2018, 29, 225-233.	1.8	7
206	Phase-dependent energy cross-parameters in a monatomic binary fluid system. <i>Molecular Simulation</i> , 2012, 38, 838-849.	0.9	6
207	A chemical structure based model for the estimation of refractive indices of organic compounds. <i>Fluid Phase Equilibria</i> , 2014, 384, 1-13.	1.4	6
208	On the application of binary correction factors in lattice distortion calculations for methane clathrate hydrates. <i>Philosophical Magazine</i> , 2014, 94, 974-990.	0.7	6
209	A group contribution model for the prediction of the freezing point of organic compounds. <i>Fluid Phase Equilibria</i> , 2014, 382, 21-30.	1.4	6
210	A group contribution method for determination of thermal conductivity of liquid chemicals at atmospheric pressure. <i>Journal of Molecular Liquids</i> , 2014, 190, 223-230.	2.3	6
211	Solubility data and modeling for sugar alcohols in ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2014, 77, 23-30.	1.0	6
212	Phase equilibrium data for potentially hazardous binary mixtures involving dichlorosilane, trichlorosilane and silicon-tetrachloride. <i>Journal of Chemical Thermodynamics</i> , 2015, 91, 420-426.	1.0	6
213	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.	2.1	6
214	Phase equilibrium data for binary mixtures of carbon dioxide with {1,1,2,3,3,3-hexafluoro-1-propene or 2,2,3-trifluoro-3-(trifluoromethyl)oxirane} at temperatures between (233 and 273) K. <i>Fluid Phase Equilibria</i> , 2016, 425, 114-119.	1.4	6
215	Modeling of the vaporization enthalpies of petroleum fractions. <i>Fluid Phase Equilibria</i> , 2016, 412, 228-234.	1.4	6
216	Plasma-Catalytic Fischer-Tropsch Synthesis at Very High Pressure. <i>Catalysts</i> , 2021, 11, 297.	1.6	6

#	ARTICLE	IF	CITATIONS
217	Gibbs ensemble Monte Carlo simulations of binary vapour-liquid-liquid equilibrium: application to <i>n</i> -hexane-water and ethane-ethanol systems. <i>Molecular Simulation</i> , 2010, 36, 758-762.	0.9	5
218	Vapor-Liquid Equilibrium (VLE) Data and Thermodynamic Modeling for Binary Systems Containing Perfluorobutane (R610) with Carbon Monoxide or Nitric Oxide at (293, 313, and 333) K. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 346-354.	1.0	5
219	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.	1.0	5
220	Stereo-selective synthesis, structural and antibacterial studies of novel glycosylated 2,3-amino acid analogues. <i>Medicinal Chemistry Research</i> , 2015, 24, 3174-3193.	1.1	5
221	Isothermal Vapor-Liquid Equilibrium (VLE) and Vapor-Liquid-Liquid Equilibrium (VLLE) Data for Two Binary Systems Containing Perfluorohexane with Carbon Monoxide or Hydrogen Sulfide at (293, 313, Tj ETQq1 1 0.084314 5gBT /Overlock 10 Tf 50 38	1.4	5
222	Binary vapour-liquid equilibrium data for C7 and C9 straight-chain perfluorocarbons with ethylene. <i>Fluid Phase Equilibria</i> , 2016, 429, 37-44.	1.4	5
223	Development of a novel approach for modeling acid gas solubility in alkanolamine aqueous solution. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 34, 112-123.	2.1	5
224	Microwave synthesis, biological evaluation and docking studies of 2-substituted methyl 1-(4-fluorophenyl)-1H-benzimidazole-5-carboxylates. <i>Medicinal Chemistry Research</i> , 2017, 26, 484-498.	1.1	5
225	Experimental Solubility Data for Binary Mixtures of Ethane and 2,2,4-Trimethylpentane at Pressures up to 6 MPa Using a New Variable-Volume Sapphire Cell. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 3915-3920.	1.0	5
226	Isothermal vapour-liquid equilibrium data for the binary systems 2-propanone-2-butanol or Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	1.4	5
227	Perfluorophenyl Derivatives as Unsymmetrical Linkers for Solid Phase Conjugation. <i>Frontiers in Chemistry</i> , 2018, 6, 589.	1.8	5
228	Solid-Liquid Equilibrium Measurements for Posaconazole and Voriconazole in Several Solvents between <i>T</i> = 278.2 and 323.2 K Using Differential Thermal Analysis/Thermal Gravimetric Analysis. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 3367-3374.	1.0	5
229	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.	2.3	5
230	Evaluation of wax disappearance temperatures in hydrocarbon fluids using soft computing approaches. <i>Petroleum Science and Technology</i> , 2019, 37, 829-836.	0.7	5
231	Gas hydrate concentration measurements on sucrose solutions using a new pilot test rig. <i>AIChE Journal</i> , 2020, 66, e16281.	1.8	5
232	Effect of temperature on molecular interactions between tri(butyl)methylphosphonium methylsulfate and furfural. <i>Journal of Chemical Thermodynamics</i> , 2020, 149, 106150.	1.0	5
233	Thermodynamic measurement and modeling of hydrate dissociation for CO ₂ /refrigerant + sucrose/fructose/glucose solutions. <i>AIChE Journal</i> , 2021, 67, e17379.	1.8	5
234	Simulation of 1-alkene and n-alkane binary vapour-liquid equilibrium using different united-atom transferable force fields. <i>Fluid Phase Equilibria</i> , 2005, 232, 136-148.	1.4	4

#	ARTICLE	IF	CITATIONS
235	Monte Carlo simulations of vapor-liquid-liquid equilibrium of some ternary petrochemical mixtures. <i>Fluid Phase Equilibria</i> , 2010, 299, 24-31.	1.4	4
236	Kinetics of the Gas-Phase Noncatalytic Oxidation of Hexafluoropropene. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 13961-13972.	1.8	4
237	Synthesis and Characterization of Imidazolium Salts Bearing Fluorinated Anions. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012, 638, 2304-2309.	0.6	4
238	Synthesis and Evaluation of Novel Fluorinated 2-Styrylchromones as Antibacterial Agents. <i>Journal of Chemistry</i> , 2013, 2013, 1-13.	0.9	4
239	Structure elucidation of a series of fluoro-2-styrylchromones and methoxy-2-styrylchromones using 1D and 2D NMR spectroscopy. <i>Magnetic Resonance in Chemistry</i> , 2014, 52, 521-529.	1.1	4
240	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.	1.4	4
241	Isothermal Vapor-Liquid Equilibrium Data and Thermodynamic Modeling for Binary Systems of Perfluorobutane (R610) + (Methane or Hydrogen Sulfide) at (293, 313, and 333) K. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 2865-2871.	1.0	4
242	GAS-PHASE NON-CATALYTIC EPOXIDATION OF HEXAFLUOROPROPENE IN A TUBULAR REACTOR: OPTIMAL REACTION CONDITIONS. <i>Chemical Engineering Communications</i> , 2014, 201, 1173-1197.	1.5	4
243	Apparent Molar Volumes of 1-Alkyl (<i>n</i> = 2, 4, 6)-3-methylimidazolium Bromides in a Mixed-Solvent Medium of Acetonitrile + Water at Temperatures of (293.15, 303.15, and 313.15) K. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 1086-1093.	1.0	4
244	Gas-phase equilibrium constants for the thermally initiated oxidation of hexafluoropropene with molecular oxygen. <i>Journal of Physical Organic Chemistry</i> , 2015, 28, 460-471.	0.9	4
245	Experimental solubility data for prednisolone and hydrocortisone in various solvents between (293.2) Tj ETQq1 1 0,784314 rgBT /Ovele 2.3 4	2.3	4
246	Vapor-Liquid Equilibrium for Methyl Isobutyl Ketone (MIBK) + (1-Propanol or 2-Propanol) Binary Mixtures. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 2014-2020.	1.0	4
247	Investigation of conventional and non-conventional hydrogen bonds: a comparison of fluorine-substituted and non-fluorine substituted compounds. <i>Monatshefte Für Chemie</i> , 2017, 148, 2061-2068.	0.9	4
248	Experimental Phase Equilibrium for the Binary System of <i>n</i> -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.	1.0	4
249	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.	1.0	4
250	Experimental study of carbon dioxide gas hydrate formation in the presence of zwitterionic compounds. <i>Journal of Chemical Thermodynamics</i> , 2019, 137, 94-100.	1.0	4
251	Isothermal Vapor-Liquid Equilibrium Measurements for Alcohol + Water/ <i>n</i> -Hexane Azeotropic Systems Using Both Dynamic and Automated Static-Synthetic Methods. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 2657-2670.	1.0	4
252	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

#	ARTICLE	IF	CITATIONS
271	Vapour-liquid equilibrium of propionic acid+caproic acid, isobutyric acid+caproic acid, valeric acid+caproic acid and caproic acid+enanthoic acid binary mixtures. Fluid Phase Equilibria, 2014, 375, 201-208.	1.4	2
272	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. Fluid Phase Equilibria, 2015, 394, 88-92.	1.4	2
273	New Insights into the Kinetics of the Gas-Phase Oxidation of Hexafluoropropene. Progress in Reaction Kinetics and Mechanism, 2016, 41, 418-427.	1.1	2
274	Factors influencing clathrate hydrate stability in equilibrium with liquid water: Insights from information-based statistical analysis. Journal of Molecular Liquids, 2016, 222, 8-13.	2.3	2
275	Synthesis and structure elucidation using 2D NMR and thermal coefficient investigation on amino acid tethered quinoxalines. Magnetic Resonance in Chemistry, 2016, 54, 921-929.	1.1	2
276	Antioxidant properties, computational studies and corrosion inhibition potential of 3-hydroxy-1-(2-hydroxyphenyl)-5-(phenyl)-2,4-pentadien-1-one analogues. Journal of Molecular Liquids, 2016, 223, 819-827.	2.3	2
277	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 /Overbo	1.0	2
278	Data-driven modeling for determination of asphaltene stability condition in oil system. Petroleum Science and Technology, 2018, 36, 726-731.	0.7	2
279	Isothermal Vapor-Liquid Equilibrium for the 2-Pentanone (MPK) + 2-Methyl Propan-1-ol Binary Mixture. Journal of Chemical & Engineering Data, 2018, 63, 4076-4084.	1.0	2
280	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. Journal of Chemical & Engineering Data, 2019, 64, 5232-5237.	1.0	2
281	Fabrication, physical and optical properties of functionalized cellulose based polymethylmethacrylate nanocomposites. Microsystem Technologies, 2022, 28, 255-265.	1.2	2
282	VLE measurements and modelling for the binary systems of (CF ₄ + C ₆ F ₁₄) and (CF ₄ + C ₈ F ₁₈). Fluid Phase Equilibria, 2019, 485, 146-152.	1.4	2
283	Vapor-Liquid Equilibrium Measurements of Ether Alcohol Blends for Investigation on Reformulated Gas. Journal of Chemical & Engineering Data, 2019, 64, 115-123.	1.0	2
284	The distribution coefficients of Y ³⁺ and Eu ³⁺ between HNO ₃ and HDEHP. Minerals Engineering, 2020, 153, 106285.	1.8	2
285	The Effect of Cobalt Catalyst Loading at Very High Pressure Plasma-Catalysis in Fischer-Tropsch Synthesis. Catalysts, 2021, 11, 1324.	1.6	2
286	2-Acetylphenyl (2E)-3-(4-fluorophenyl)acrylate. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o3049-o3049.	0.2	1
287	Design of a continuous gas-phase process for the production of hexafluoropropene oxide. Chemical Engineering Research and Design, 2017, 119, 93-100.	2.7	1
288	Influence of gravitational potential on the thermodynamic stability of pure and mixed clathrate hydrates. European Physical Journal B, 2017, 90, 1.	0.6	1

#	ARTICLE	IF	CITATIONS
289	Carbon Dioxide to Energy: Killing Two Birds with One Stone. , 2017, , 93-103.		1
290	Quality of Component- and Group-Interaction-Based Regression of Binary Vapor-Liquid Equilibrium Data. Industrial & Engineering Chemistry Research, 2017, 56, 10500-10505.	1.8	1
291	Binary Vapor-Liquid Equilibrium Data for Perfluorooctane with Light Gases (Oxygen, Nitrogen, and) Tj ETQq1 1 0,784314 rgBT /Ove	1.0	1
292	Influence of fluorination on barrier properties of polymers: Insights from Monte Carlo simulations of eicosanes + methane. European Physical Journal E, 2017, 40, 12.	0.7	1
293	Development of a Computational Tool for the Analysis and Synthesis of Crystallization Processes. Organic Process Research and Development, 2018, 22, 219-227.	1.3	1
294	Crystal structure of (<i>S</i>)- <i>tert</i> -butyl-(1-hydroxypropan-2-yl)carbamate, C ₈ H ₁₇ NO ₃ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2018, 233, 49-50.	0.1	1
295	Modeling of Trifluoromethane (R-23) or Hexafluoroethane (R-116) and Alkane Binary Mixtures using the Group-Contribution with Association Equation of State. Industrial & Engineering Chemistry Research, 2018, 57, 10640-10648.	1.8	1
296	Isothermal Vapor-Liquid Equilibrium Data for Binary Systems of CHF ₃ or C ₂ F ₆ with Methylcyclohexane or Toluene. Journal of Chemical & Engineering Data, 2018, 63, 2114-2126.	1.0	1
297	Solubility Data for Roflumilast and Maraviroc in Various Solvents between T= (278.2-323.2) K. Journal of Chemical & Engineering Data, 2019, 64, 4599-4604.	1.0	1
298	An insight into thermodynamic consistency of hydrogen sulfide sulfur content data at isobaric conditions. Petroleum Science and Technology, 2019, 37, 763-769.	0.7	1
299	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
300	3-(3-Nitrobenzyl)-4H-chromen-4-one. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o364-o364.	0.2	1
301	6-Hydroxy-2H-1,3-benzodioxole-5-carbaldehyde. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o2681-o2681.	0.2	0
302	2,4-Dibromo-1,3-dimethoxy-5-methylbenzene. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o2062-o2062.	0.2	0
303	3-Bromochroman-4-one. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o473-o473.	0.2	0
304	A New Method for the Analysis of Soluble and Insoluble Oxalate in Pulp and Paper Matrices. Journal of Wood Chemistry and Technology, 2014, 34, 55-66.	0.9	0
305	Vapor-Liquid Equilibrium Data for Binary Systems of n-Dodecane + {Propan-1-ol, Butan-1-ol, 2-Methylpropan-1-ol} at 40 kPa. Journal of Chemical & Engineering Data, 2014, 59, 1710-1713.	1.0	0
306	A thermodynamic consistency test for experimental isobaric data of wax solubility in gaseous systems. Fluid Phase Equilibria, 2015, 388, 182-187.	1.4	0

#	ARTICLE	IF	CITATIONS
307	A universal segment approach for the prediction of the activity coefficient of complex pharmaceuticals in non-electrolyte solvents. <i>Fluid Phase Equilibria</i> , 2015, 396, 98-110.	1.4	0
308	A kinetic study of the selective production of difluoromethoxymethane from chlorodifluoromethane. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 66, 70-79.	2.7	0
309	Total Pressure Phase Equilibrium Measurements for the Binary Systems of n-Pentane + Cyclohexane and 1-Hexene + 2-Propanol. <i>Journal of Chemical & Engineering Data</i> , 2018, , .	1.0	0
310	Can 2-methyl-2-butene and isoprene form clathrate hydrates?. <i>Petroleum Science and Technology</i> , 2018, 36, 1696-1702.	0.7	0
311	Isothermal Bubble Pressure Data for the Binary System of C ₂ F ₆ and n-Octane. <i>Journal of Chemical & Engineering Data</i> , 0, , .	1.0	0
312	Critical analysis of the effect of transport phenomena and operational parameters on the performance of an intermediate-scale surface fluorination reactor. <i>Journal of Fluorine Chemistry</i> , 2020, 237, 109617.	0.9	0
313	3-(4-Nitrobenzyl)-4H-chromen-4-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o513-o513.	0.2	0
314	Purification of Nitrogen Trifluoride by Physical Separation. <i>Fluid Phase Equilibria</i> , 2022, , 113405.	1.4	0