

Deresh Ramjugernath

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312
papers

5,356
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317
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6,057
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
312	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
311	Estimation of pure component properties: Part 3. Estimation of the vapor pressure of non-electrolyte organic compounds via group contributions and group interactions. <i>Fluid Phase Equilibria</i> , 2008 , 269, 117-133	2.5	200
310	Estimation of pure component properties: Part 1. Estimation of the normal boiling point of non-electrolyte organic compounds via group contributions and group interactions. <i>Fluid Phase Equilibria</i> , 2004 , 226, 45-63	2.5	192
309	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	2.8	123
308	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
307	Estimation of pure component properties. <i>Fluid Phase Equilibria</i> , 2007 , 252, 1-27	2.5	111
306	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	2.8	100
305	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	2.9	94
304	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
303	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	2.8	89
302	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	4.1	88
301	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	6	85
300	Excess molar volumes of binary mixtures (an ionic liquid + water): A review. <i>Journal of Chemical Thermodynamics</i> , 2015 , 82, 34-46	2.9	82
299	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	2.9	69
298	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	9.6	68
297	Liquid-Liquid phase equilibrium of (piperidinium-based ionic liquid+an alcohol) binary systems and modelling with NRHB and PCP-SAFT. <i>Fluid Phase Equilibria</i> , 2011 , 305, 43-52	2.5	64
296	Valorisation of chicken feathers: Characterisation of chemical properties. <i>Waste Management</i> , 2017 , 68, 626-635	8.6	60

295	Phosphonium Salts in Asymmetric Catalysis: A Journey in a Decade's Extensive Research Work. <i>Advanced Synthesis and Catalysis</i> , 2017 , 359, 3676-3706	5.6	58
294	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	4.3	55
293	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
292	Development of a group contribution method for determination of viscosity of ionic liquids at atmospheric pressure. <i>Chemical Engineering Science</i> , 2012 , 80, 326-333	4.4	53
291	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
290	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
289	Valorisation of chicken feathers: Characterisation of physical properties and morphological structure. <i>Journal of Cleaner Production</i> , 2017 , 149, 349-365	10.3	44
288	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
287	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 2093-2099	2.8	41
286	Determination of critical properties of pure and multi-component mixtures using a Dynamic Synthetic Apparatus. <i>Journal of Supercritical Fluids</i> , 2010 , 55, 545-553	4.2	41
285	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
284	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
283	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
282	Development of a group contribution method for the estimation of heat capacities of ionic liquids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014 , 115, 1863-1882	4.1	36
281	Activity coefficients at infinite dilution for solutes in the trioctylmethylammonium bis(trifluoromethylsulfonyl)imide ionic liquid using gas-liquid chromatography. <i>Journal of Chemical Thermodynamics</i> , 2010 , 42, 256-261	2.9	36
280	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	2.8	36
279	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
278	Phase equilibria of methane clathrate hydrates from Grand Canonical Monte Carlo simulations. <i>Fluid Phase Equilibria</i> , 2014 , 369, 47-54	2.5	35

277	Reliable method for the determination of surfactant retention in porous media during chemical flooding oil recovery. <i>Fuel</i> , 2015 , 158, 122-128	7.1	32
276	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
275	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. <i>Journal of Microbiological Methods</i> , 2014 , 104, 72-8	2.8	31
274	Quantitative structure-property relationship for thermal decomposition temperature of ionic liquids. <i>Chemical Engineering Science</i> , 2012 , 84, 557-563	4.4	31
273	Experimental measurements and thermodynamic modeling of refrigerant hydrates dissociation conditions. <i>Journal of Chemical Thermodynamics</i> , 2015 , 80, 30-40	2.9	30
272	Experimental study and modeling of the kinetics of refrigerant hydrate formation. <i>Journal of Chemical Thermodynamics</i> , 2015 , 82, 47-52	2.9	29
271	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
270	A new high-pressure vapour-liquid equilibrium apparatus. <i>Fluid Phase Equilibria</i> , 2008 , 269, 104-112	2.5	29
269	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
268	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	2.8	28
267	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
266	A novel static analytical apparatus for phase equilibrium measurements. <i>Fluid Phase Equilibria</i> , 2013 , 338, 188-196	2.5	27
265	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	2.5	27
264	Kinetic and thermodynamic behaviour of CF ₄ clathrate hydrates. <i>Journal of Chemical Thermodynamics</i> , 2015 , 81, 52-59	2.9	26
263	Phase equilibria and modeling of pyridinium-based ionic liquid solutions. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 15011-7	3.4	26
262	Phase Equilibria of Clathrate Hydrates of Ethane + Ethene. <i>Journal of Chemical & Engineering Data</i> , 2013 , 58, 896-901	2.8	25
261	Isothermal vapor-liquid equilibrium data for the carbon dioxide (R744)+decafluorobutane (R610) system at temperatures from 263 to 353K. <i>Fluid Phase Equilibria</i> , 2011 , 304, 44-51	2.5	25
260	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	2.8	25

259	Valorisation of chicken feathers: Characterisation of thermal, mechanical and electrical properties. <i>Sustainable Chemistry and Pharmacy</i> , 2018 , 9, 27-34	3.9	25
258	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	5.5	24
257	Vapor-liquid equilibrium in the n-butane+methanol system, measurement and modeling from 323.2 to 443.2K. <i>Fluid Phase Equilibria</i> , 2009 , 277, 152-161	2.5	24
256	Vapour-liquid equilibrium of carboxylic acid systems: Propionic acid+valeric acid and isobutyric acid+valeric acid. <i>Fluid Phase Equilibria</i> , 2005 , 237, 89-99	2.5	24
255	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	2.9	23
254	Rapid method for the estimation of dew point pressures in gas condensate reservoirs. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 60, 258-266	5.3	22
253	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	3.8	22
252	Valorisation of chicken feathers: Application in paper production. <i>Journal of Cleaner Production</i> , 2017 , 164, 1324-1331	10.3	21
251	Development of a general model for determination of thermal conductivity of liquid chemical compounds at atmospheric pressure. <i>AIChE Journal</i> , 2013 , 59, 1702-1708	3.6	21
250	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, 4003-10	3.4	21
249	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
248	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
247	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
246	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	2.9	21
245	Monte carlo simulation of carboxylic acid phase equilibria. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 21938-43	3.4	21
244	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
243	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
242	(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	2.5	20

241	Prediction of refractive indices of ionic liquids: A quantitative structure-property relationship based model. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015 , 52, 165-180	5.3	19
240	Phase Equilibria of Clathrate Hydrates of Ethyne + Propane. <i>Journal of Chemical & Engineering Data</i> , 2014 , 59, 2914-2919	2.8	19
239	Estimation of the Heat Capacity of Ionic Liquids: A Quantitative Structure-Property Relationship Approach. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 13217-13221	3.9	19
238	Development of a group contribution method for estimating the thermal decomposition temperature of ionic liquids. <i>Fluid Phase Equilibria</i> , 2013 , 355, 81-86	2.5	19
237	Valorisation of waste chicken feathers: Optimisation of decontamination and pre-treatment with bleaching agents using response surface methodology. <i>Sustainable Chemistry and Pharmacy</i> , 2018 , 8, 21-37	3.9	18
236	A group contribution method for determination of the standard molar chemical exergy of organic compounds. <i>Energy</i> , 2014 , 70, 288-297	7.9	18
235	Application of the bio-inspired Krill Herd optimization technique to phase equilibrium calculations. <i>Computers and Chemical Engineering</i> , 2015 , 74, 75-88	4	18
234	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
233	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	4.4	18
232	Valorisation of chicken feather barbs: Utilisation in yarn production and technical textile applications. <i>Sustainable Chemistry and Pharmacy</i> , 2018 , 8, 38-49	3.9	17
231	A corresponding states-based method for the estimation of natural gas compressibility factors. <i>Journal of Molecular Liquids</i> , 2016 , 216, 25-34	6	17
230	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
229	State of the art and kinetics of refrigerant hydrate formation. <i>International Journal of Refrigeration</i> , 2019 , 98, 410-427	3.8	17
228	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	2.5	17
227	A Non-linear Quantitative structure-property relationship for the prediction of electrical conductivity of ionic liquids. <i>Chemical Engineering Science</i> , 2013 , 101, 478-485	4.4	17
226	An assessment test for phase equilibrium data of water soluble and insoluble clathrate hydrate formers. <i>Fluid Phase Equilibria</i> , 2013 , 360, 68-76	2.5	17
225	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	2.9	17
224	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. <i>Thermochimica Acta</i> , 2014 , 577, 87-94	2.9	17

223	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
222	Separation of an Alcohol and a Tetrahydrofuran, Methyl tert-Butyl Ether, or Ethyl tert-Butyl Ether by Solvent Extraction with a Hyperbranched Polymer at T = 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 2879-2885	2.8	17
221	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
220	Valorisation of mango seed via extraction of starch: preliminary techno-economic analysis. <i>Clean Technologies and Environmental Policy</i> , 2018 , 20, 81-94	4.3	15
219	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
218	A group contribution method for estimating the refractive indices of ionic liquids. <i>Journal of Molecular Liquids</i> , 2014 , 200, 410-415	6	15
217	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
216	Influence of unlike dispersion interactions in modeling methane clathrate hydrates. <i>Fluid Phase Equilibria</i> , 2014 , 381, 108-115	2.5	15
215	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
214	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	2.5	15
213	Hydrocarbons synthesis from syngas by very high pressure plasma. <i>Chemical Engineering Journal</i> , 2014 , 241, 1-8	14.7	15
212	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
211	Development of a quantitative structure-liquid thermal conductivity relationship for pure chemical compounds. <i>Fluid Phase Equilibria</i> , 2013 , 355, 52-80	2.5	15
210	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
209	Vapor-liquid equilibrium measurements and modeling of the n-butane + ethanol system from 323 to 423 K. <i>Fluid Phase Equilibria</i> , 2009 , 286, 79-87	2.5	15
208	Vapor-liquid Equilibrium for Binary Systems of 2,3-Pentanedione with Diacetyl and Acetone. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 745-749	2.8	15
207	On the prediction of critical temperatures of ionic liquids: Model development and evaluation. <i>Fluid Phase Equilibria</i> , 2016 , 411, 24-32	2.5	14
206	Beneficiation of pulp and paper mill sludge: production and characterisation of functionalised crystalline nanocellulose. <i>Clean Technologies and Environmental Policy</i> , 2018 , 20, 1835-1845	4.3	14

205	Solubility of ionic liquids in 2-phenylethanol (PEA) and water. <i>Fluid Phase Equilibria</i> , 2014 , 376, 55-63	2.5	14
204	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> , 2011 , 43, 754-758	2.9	14
203	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
202	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, 313.15, and 323.15)K. <i>Journal of Chemical Thermodynamics</i> , 2011 , 43, 754-758	2.9	14
201	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. <i>Journal of Chemical Thermodynamics</i> , 2016 , 92, 35-42	2.9	13
200	CO ₂ Solubility in Hybrid Solvents Containing 1-Butyl-3-methylimidazolium Tetrafluoroborate and Mixtures of Alkanolamines. <i>Journal of Chemical & Engineering Data</i> , 2015 , 60, 2380-2391	2.8	13
199	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
198	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
197	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
196	Experimental Study of Hydrocarbons Synthesis from Syngas by a Tip-Tip Electrical Discharge at Very High Pressure. <i>Plasma Chemistry and Plasma Processing</i> , 2011 , 31, 663-679	3.6	13
195	Valorisation of avocado seeds: extraction and characterisation of starch for textile applications. <i>Clean Technologies and Environmental Policy</i> , 2018 , 20, 2135-2154	4.3	13
194	(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
193	Determination of the speed of sound in ionic liquids using a least squares support vector machine group contribution method. <i>Fluid Phase Equilibria</i> , 2014 , 367, 188-193	2.5	12
192	Group Contribution Model for the Prediction of Refractive Indices of Organic Compounds. <i>Journal of Chemical & Engineering Data</i> , 2014 , 59, 1930-1943	2.8	12
191	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
190	A group contribution model for determining the vaporization enthalpy of organic compounds at the standard reference temperature of 298K. <i>Fluid Phase Equilibria</i> , 2013 , 360, 279-292	2.5	12
189	Determination of activity coefficients at infinite dilution of water and organic solutes (polar and non-polar) in the Ammoeng 100 ionic liquid at T=(308.15, 313.5, 323.15, and 333.15)K. <i>Journal of Chemical Thermodynamics</i> , 2011 , 43, 1178-1184	2.9	12
188	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

187	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
186	Experimental solubility for betulin and estrone in various solvents within the temperature range $T = (293.2 \text{ to } 328.2) \text{ K}$. <i>Journal of Chemical Thermodynamics</i> , 2016 , 98, 42-50	2.9	11
185	A novel dynamic recirculating apparatus for vapour-liquid equilibrium measurements at moderate pressures and temperatures. <i>Fluid Phase Equilibria</i> , 2013 , 358, 121-130	2.5	11
184	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. <i>Journal of Chemical Thermodynamics</i> , 2017 , 115, 307-317	2.9	11
183	Dry reforming of methane in a tip-arc discharge reactor at very high pressure. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 3388-3401	6.7	11
182	High pressure vapor-liquid equilibrium measurements of carbon dioxide with naphthalene and benzoic acid. <i>Fluid Phase Equilibria</i> , 2007 , 260, 60-64	2.5	11
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