

Deresh Ramjugernath

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.

312
papers

5,356
citations

35
h-index

59
g-index

317
ext. papers

6,057
ext. citations

3.2
avg, IF

5.93
L-index

#	Paper	IF	Citations
312	Purification of Nitrogen Trifluoride by Physical Separation. <i>Fluid Phase Equilibria</i> , 2022 , 113405	2.5	
311	Experimental measurements of CO ₂ solubility, viscosity, density, sound velocity and evaporation rate for 2-(2-aminoethoxy)ethanol (DGA) + 1-methylpyrrolidin-2-one (NMP) / water + ionic liquid systems. <i>Fluid Phase Equilibria</i> , 2022 , 113475	2.5	
310	The Effect of Cobalt Catalyst Loading at Very High Pressure Plasma-Catalysis in Fischer-Tropsch Synthesis. <i>Catalysts</i> , 2021 , 11, 1324	4	0
309	Investigation of Mixed MEA-Based Solvents Featuring Ionic Liquids and NMP for CO ₂ Capture: Experimental Measurement of CO ₂ Solubility and Thermophysical Properties. <i>Journal of Chemical & Engineering Data</i> , 2021 , 66, 899-914	2.8	2
308	Plasma-Catalytic Fischer-Tropsch Synthesis at Very High Pressure. <i>Catalysts</i> , 2021 , 11, 297	4	2
307	Thermodynamic measurement and modeling of hydrate dissociation for CO ₂ /refrigerant + sucrose/fructose/glucose solutions. <i>AIChE Journal</i> , 2021 , 67, e17379	3.6	2
306	Gas hydrate concentration measurements on sucrose solutions using a new pilot test rig. <i>AIChE Journal</i> , 2020 , 66, e16281	3.6	4
305	Effect of temperature on molecular interactions between tri(butyl)methylphosphonium methylsulfate and furfural. <i>Journal of Chemical Thermodynamics</i> , 2020 , 149, 106150	2.9	3
304	Separation of thiophene from octane/hexadecane with ionic liquids in ternary liquid-liquid phase equilibrium. <i>Fluid Phase Equilibria</i> , 2020 , 509, 112467	2.5	8
303	Estimation of Pure Component Properties, Part 5: Estimation of the Thermal Conductivity of Nonelectrolyte Organic Liquids via Group Contributions. <i>Journal of Chemical & Engineering Data</i> , 2020 , 65, 1300-1312	2.8	4
302	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	2.1	
301	Measurement and Modeling of the Solubility of Tetrafluoromethane in Either Perfluoroheptane or Perfluorodecalin. <i>Journal of Chemical & Engineering Data</i> , 2020 , 65, 4862-4868	2.8	1
300	Experimental measurements and thermodynamic modelling of hydrate phase equilibrium conditions for CF ₄ +TBAB aqueous solutions. <i>Chemical Engineering Communications</i> , 2020 , 207, 185-193	2.2	1
299	The distribution coefficients of Y ³⁺ and Eu ³⁺ between HNO ₃ and HDEHP. <i>Minerals Engineering</i> , 2020 , 153, 106285	4.9	
298	Solubility Data for Roflumilast and Maraviroc in Various Solvents between T = (278.2-323.2) K. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 4599-4604	2.8	1
297	Isothermal Vapor-Liquid Equilibrium Data for the Binary Systems Consisting of 1,1,2,3,3,3-Hexafluoro-1-propene and Either Methylcyclohexane, Cyclohexane, n-Hexane, 2-Methyltetrahydrofuran, or 2,2,3,3,4,4,4-Heptafluoro-1-butanol. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 5232-5237	2.8	0
296	Hydrate Dissociation Data for the Systems (CO ₂ /CH ₄ /Ar) + Water with (TBAF/TBAA/TBPB/TBANO ₃ and Cyclopentane). <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 2542-2549	2.8	1

295	Phase Stability Conditions for Clathrate Hydrates Formation in CO ₂ + (NaCl or CaCl ₂ or MgCl ₂) + Cyclopentane + Water Systems: Experimental Measurements and Thermodynamic Modeling. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 4638-4646	2.8	7
294	Experimental study of carbon dioxide gas hydrate formation in the presence of zwitterionic compounds. <i>Journal of Chemical Thermodynamics</i> , 2019 , 137, 94-100	2.9	3
293	Investigation of temperature and composition dependence of molecular interactions between phosphonium-based ionic liquid + N, N-dimethylformamide: A study of thermophysical properties. <i>Journal of Molecular Liquids</i> , 2019 , 291, 110987	6	3
292	Vapor Liquid Equilibrium Data for 2,3-Pentanedione + (Acetaldehyde or Acetone) at (100, 150, and 200) kPa. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 2388-2394	2.8	2
291	Phase stability conditions for clathrate hydrate formation in (fluorinated refrigerant + water + single and mixed electrolytes + cyclopentane) systems: Experimental measurements and thermodynamic modelling. <i>Journal of Chemical Thermodynamics</i> , 2019 , 136, 59-76	2.9	10
290	Isothermal Vapor-Liquid Equilibrium Measurements for Alcohol + Water/n-Hexane Azeotropic Systems Using Both Dynamic and Automated Static-Synthetic Methods. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 2657-2670	2.8	2
289	Ternary liquid-liquid phase equilibria of {ionic liquid + thiophene + (octane/hexadecane)}. <i>Journal of Chemical Thermodynamics</i> , 2019 , 134, 157-163	2.9	8
288	Characterization of C ₇ + fraction properties of crude oils and gas-condensates using data driven models. <i>Petroleum Science and Technology</i> , 2019 , 37, 1516-1522	1.4	3
287	Evaluation of wax disappearance temperatures in hydrocarbon fluids using soft computing approaches. <i>Petroleum Science and Technology</i> , 2019 , 37, 829-836	1.4	3
286	Experimental study and modeling of the kinetics of gas hydrate formation for acetylene, ethylene, propane and propylene in the presence and absence of SDS. <i>Petroleum Science and Technology</i> , 2019 , 37, 506-512	1.4	2
285	Investigation into the use of gas hydrate technology for the treatment of vinasse. <i>Fluid Phase Equilibria</i> , 2019 , 492, 67-77	2.5	5
284	State of the art and kinetics of refrigerant hydrate formation. <i>International Journal of Refrigeration</i> , 2019 , 98, 410-427	3.8	17
283	Solid-Liquid Equilibrium Measurements for Posaconazole and Voriconazole in Several Solvents between T = 278.2 and 323.2 K Using Differential Thermal Analysis/Thermal Gravimetric Analysis. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 3367-3374	2.8	5
282	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	8.3	7
281	An insight into thermodynamic consistency of hydrogen sulfide sulfur content data at isobaric conditions. <i>Petroleum Science and Technology</i> , 2019 , 37, 763-769	1.4	1
280	Fabrication, physical and optical properties of functionalized cellulose based polymethylmethacrylate nanocomposites. <i>Microsystem Technologies</i> , 2019 , 1	1.7	
279	VLE measurements and modelling for the binary systems of (CF ₄ - C6F14) and (CF ₄ + C8F18). <i>Fluid Phase Equilibria</i> , 2019 , 485, 146-152	2.5	2
278	Vapor-Liquid Equilibrium Measurements of Ether Alcohol Blends for Investigation on Reformulated Gas. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 115-123	2.8	2

277	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	2.9	5
276	Isothermal vapour-liquid equilibrium data for the binary systems of CHF ₃ with (n-nonane, n-decane, or n-undecane) and C ₂ F ₆ with (n-nonane or n-decane). <i>Fluid Phase Equilibria</i> , 2018 , 464, 64-78	3.5	2
275	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
274	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
273	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
272	Recent Advances in Chitosan-Based Films for Novel Biosensor 2018 , 137-161		3
271	Experimental Phase Equilibrium for the Binary System of n-Pentane + 2-Propanol Using a New Equilibrium Cell and the Static Total Pressure Method. <i>Journal of Chemical & Engineering Data</i> , 2018 , 63, 732-740	2.8	1
270	Application of Decafluorobiphenyl (DFBP) Moiety as a Linker in Bioconjugation. <i>Bioconjugate Chemistry</i> , 2018 , 29, 225-233	6.3	5
269	Development of a Computational Tool for the Analysis and Synthesis of Crystallization Processes. <i>Organic Process Research and Development</i> , 2018 , 22, 219-227	3.9	1
268	Isothermal vapour-liquid equilibrium data for binary systems of (CHF ₃ or C ₂ F ₆) with (1-hexene or 3-methylpentane). <i>Journal of Chemical Thermodynamics</i> , 2018 , 121, 79-90	2.9	2
267	Data-driven modeling for determination of asphaltene stability condition in oil system. <i>Petroleum Science and Technology</i> , 2018 , 36, 726-731	1.4	0
266	Isothermal Vapor-Liquid Equilibrium Data for Binary Mixtures of Hexafluoroethane (R116) + n-Pentane or n-Hexane at Two Temperatures, 288 and 296 K. <i>Journal of Chemical & Engineering Data</i> , 2018 , 63, 1228-1233	2.8	2
265	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
264	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
263	Modeling of Trifluoromethane (R-23) or Hexafluoroethane (R-116) and Alkane Binary Mixtures using the Group-Contribution with Association Equation of State. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 10640-10648	3.9	0
262	Isothermal Vapor-Liquid Equilibrium Data for Binary Systems of CHF ₃ or C ₂ F ₆ with Methylcyclohexane or Toluene. <i>Journal of Chemical & Engineering Data</i> , 2018 , 63, 2114-2126	2.8	1
261	Model evaluation for the prediction of solubility of active pharmaceutical ingredients (APIs) to guide solid-liquid separator design. <i>Asian Journal of Pharmaceutical Sciences</i> , 2018 , 13, 265-278	9	6
260	Optimisation of surfactant decontamination and pre-treatment of waste chicken feathers by using response surface methodology. <i>Waste Management</i> , 2018 , 72, 371-388	8.6	9

259	Can 2-methyl-2-butene and isoprene form clathrate hydrates?. <i>Petroleum Science and Technology</i> , 2018 , 36, 1696-1702	1.4	
258	Perfluorophenyl Derivatives as Unsymmetrical Linkers for Solid Phase Conjugation. <i>Frontiers in Chemistry</i> , 2018 , 6, 589	5	2
257	PVT Data and Modeling for Propan-1-ol + n-Octane or n-Nonane or n-Decane from 313.15 K to 363.15 K and 1 MPa to 20 MPa. <i>Journal of Chemical & Engineering Data</i> , 2018 , 63, 4136-4156	2.8	6
256	Isothermal Vapor-Liquid Equilibrium for the 2-Pentanone (MPK) + 2-Methyl Propan-1-ol Binary Mixture. <i>Journal of Chemical & Engineering Data</i> , 2018 , 63, 4076-4084	2.8	2
255	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
254	Experimental measurement of carbon dioxide solubility in 1-methylpyrrolidin-2-one (NMP)-1-butyl-3-methyl-1H-imidazol-3-ium tetrafluoroborate ([bmim][BF4]) mixtures using a new static-synthetic cell. <i>Fluid Phase Equilibria</i> , 2018 , 477, 62-77	2.5	3
253	Valorisation of chicken feathers: Characterisation of thermal, mechanical and electrical properties. <i>Sustainable Chemistry and Pharmacy</i> , 2018 , 9, 27-34	3.9	25
252	Crystal structure of (S)-tert-butyl-(1-hydroxypropan-2-yl)carbamate, C ₈ H ₁₇ NO ₃ . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2018 , 233, 49-50	0.2	
251	Thermodynamics and activity coefficients at infinite dilution for organic solutes in the ionic liquid 1-butyl-1-methylpyrrolidinium dicyanamide. <i>Fluid Phase Equilibria</i> , 2018 , 473, 175-182	2.5	9
250	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
249	Experimental determination of the critical loci for R-23 + (n-propane or n-hexane) and R-116 + n-propane binary mixtures. <i>Journal of Chemical Thermodynamics</i> , 2017 , 108, 84-96	2.9	7
248	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	2.2	5
247	Design of a continuous gas-phase process for the production of hexafluoropropene oxide. <i>Chemical Engineering Research and Design</i> , 2017 , 119, 93-100	5.5	
246	Valorisation of chicken feathers: Characterisation of physical properties and morphological structure. <i>Journal of Cleaner Production</i> , 2017 , 149, 349-365	10.3	44
245	Influence of gravitational potential on the thermodynamic stability of pure and mixed clathrate hydrates. <i>European Physical Journal B</i> , 2017 , 90, 1	1.2	1
244	Experimental solubility data for prednisolone and hydrocortisone in various solvents between (293.2 and 328.2) K by employing combined DTA/TGA. <i>Journal of Molecular Liquids</i> , 2017 , 240, 303-312	6	4
243	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	2.8	4
242	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	2.2	10

241	Carbon Dioxide to Energy: Killing Two Birds with One Stone 2017 , 93-103		0
240	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
239	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	2.8	4
238	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	1.4	4
237	Valorisation of chicken feathers: a review on recycling and recovery routes—current status and future prospects. <i>Clean Technologies and Environmental Policy</i> , 2017 , 19, 2363-2378	4.3	55
236	Quality of Component- and Group-Interaction-Based Regression of Binary Vapor-Liquid Equilibrium Data. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 10500-10505	3.9	
235	Isothermal Vapor-Liquid Equilibrium Data for the Hexafluoroethane (R116) +n-Butane System at Temperatures from 273 to 323 K. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 3483-3487	2.8	3
234	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
233	Phase equilibrium and critical point data for ethylene and chlorodifluoromethane binary mixtures using a new static-analytical apparatus. <i>Fluid Phase Equilibria</i> , 2017 , 451, 106-113	2.5	6
232	Binary Vapor-Liquid Equilibrium Data for Perfluorooctane with Light Gases (Oxygen, Nitrogen, and Methane). <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 4301-4309	2.8	1
231	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	6	6
230	Valorisation of chicken feathers: Characterisation of chemical properties. <i>Waste Management</i> , 2017 , 68, 626-635	8.6	60
229	Valorisation of chicken feathers: Application in paper production. <i>Journal of Cleaner Production</i> , 2017 , 164, 1324-1331	10.3	21
228	Influence of fluorination on barrier properties of polymers: Insights from Monte Carlo simulations of eicosanes + methane. <i>European Physical Journal E</i> , 2017 , 40, 12	1.5	1
227	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
226	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
225	Activity coefficients at infinite dilution of hydrocarbons in glycols: Experimental data and thermodynamic modeling with the GCA-EoS. <i>Journal of Chemical Thermodynamics</i> , 2017 , 105, 226-237	2.9	5
224	Experimental solubility of diosgenin and estriol in various solvents between T=(293.2±0.2)K. <i>Journal of Chemical Thermodynamics</i> , 2017 , 106, 199-207	2.9	6

223	Isothermal vapour-liquid equilibrium data for the binary systems 2-propanone + (2-butanol or propanoic acid). <i>Fluid Phase Equilibria</i> , 2017 , 433, 119-125	2.5	5
222	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
221	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
220	Experimental measurement and thermodynamic modelling of hydrate phase equilibrium conditions for krypton + n-butyl ammonium bromide aqueous solution. <i>Journal of Supercritical Fluids</i> , 2016 , 107, 676-681	4.2	8
219	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	5.3	
218	Phase Equilibria for Perfluoroethane + (n-Perfluorohexane or n-Perfluorooctane) Binary Systems: Measurement and Modeling. <i>Journal of Chemical & Engineering Data</i> , 2016 , 61, 3363-3370	2.8	5
217	Binary vapour-liquid equilibrium data for C7 and C9 straight-chain perfluorocarbons with ethylene. <i>Fluid Phase Equilibria</i> , 2016 , 429, 37-44	2.5	3
216	Synthesis and structure elucidation using 2D NMR and thermal coefficient investigation on amino acid tethered quinoxalines. <i>Magnetic Resonance in Chemistry</i> , 2016 , 54, 921-929	2.1	0
215	Vapor-liquid equilibria, density and sound velocity measurements of (water or methanol or ethanol + 1,3-propanediol) binary systems at different temperatures. <i>Thermochimica Acta</i> , 2016 , 642, 111-123	2.9	10
214	Antioxidant properties, computational studies and corrosion inhibition potential of 3-hydroxy-1-(2-hydroxyphenyl)-5-(phenyl)-2,4-pentadien-1-one analogues. <i>Journal of Molecular Liquids</i> , 2016 , 223, 819-827	6	1
213	Extraction of 2-phenylethanol (PEA) from aqueous phases using tetracyanoborate-based ionic liquids. <i>Journal of Molecular Liquids</i> , 2016 , 224, 1124-1130	6	10
212	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	4.6	4
211	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
210	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
209	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
208	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
207	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	2.5	15
206	Experimental solubility for betulin and estrone in various solvents within the temperature range T = (293.2 to 328.2) K. <i>Journal of Chemical Thermodynamics</i> , 2016 , 98, 42-50	2.9	11

205	Modeling of the vaporization enthalpies of petroleum fractions. <i>Fluid Phase Equilibria</i> , 2016 , 412, 228-234.	4.5	5
204	Clathrate hydrate dissociation conditions for refrigerant-R134a-sucrose aqueous solution: Experimental measurement and thermodynamic modelling. <i>Fluid Phase Equilibria</i> , 2016 , 413, 99-109	2.5	7
203	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
202	High-pressure phase equilibria data for mixtures involving ethene and perfluoro-n-octane from 293 to 353 K. <i>Fluid Phase Equilibria</i> , 2016 , 408, 33-37	2.5	7
201	Stirred cell ultrafiltration of lignin from black liquor generated from South African kraft mills. <i>South African Journal of Science</i> , 2016 , Volume 112,	1.3	3
200	New Insights into the Kinetics of the Gas-Phase Oxidation of Hexafluoropropene. <i>Progress in Reaction Kinetics and Mechanism</i> , 2016 , 41, 418-427	0.5	1
199	Assessing hydrate formation as a separation process for mixtures of close-boiling point compounds: A modelling study. <i>Journal of Natural Gas Science and Engineering</i> , 2016 , 35, 1405-1415	4.6	5
198	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	2.5	2
197	Thermodynamic stability conditions for semi-clathrate hydrates of CO ₂ , CH ₄ , or N ₂ with tetrabutyl ammonium nitrate (TBANO ₃) aqueous solution. <i>Journal of Chemical Thermodynamics</i> , 2016 , 96, 52-56	2.9	4
196	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	2.5	10
195	A group contribution model for prediction of the viscosity with temperature dependency for fluorine-containing ionic liquids. <i>Journal of Fluorine Chemistry</i> , 2016 , 186, 19-27	2.1	10
194	Isothermal vapour-liquid equilibrium data for the binary systems of (CHF ₃ or C ₂ F ₆) and n-heptane. <i>Journal of Chemical Thermodynamics</i> , 2016 , 102, 237-247	2.9	5
193	Equilibrium data and GC-PC SAFT predictions for furanic extraction. <i>Fluid Phase Equilibria</i> , 2016 , 430, 57-66	2.5	7
192	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
191	Factors influencing clathrate hydrate stability in equilibrium with liquid water: Insights from information-based statistical analysis. <i>Journal of Molecular Liquids</i> , 2016 , 222, 8-13	6	1
190	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	1.6	6
189	Isothermal vapor-liquid equilibrium data for the ethene+2,2,3-trifluoro-3-(trifluoromethyl)oxirane binary system between 258 and 308K at pressures up to 4.5MPa. <i>Fluid Phase Equilibria</i> , 2015 , 394, 88-92	2.5	1
188	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

187	Liquid-Liquid Equilibria for Mixtures of Hexadecane and Ethanol with Imidazolium-Based Ionic Liquids. <i>Journal of Solution Chemistry</i> , 2015 , 44, 593-605	1.8	9
186	Synthesis and in vitro antiplatelet aggregation screening of novel fluorinated diethyl-2-(benzylthio)-2,3-dihydro-1H-imidazole-4,5-dicarboxylate derivatives. <i>Medicinal Chemistry Research</i> , 2015 , 24, 2075-2084	2.2	2
185	Isothermal phase (vapour+liquid) equilibrium data for binary mixtures of propene (R1270) with either 1,1,2,3,3,3-hexafluoro-1-propene (R1216) or 2,2,3-trifluoro-3-(trifluoromethyl)oxirane in the temperature range of (279 to 318)K. <i>Journal of Chemical Thermodynamics</i> , 2015 , 90, 100-105	2.9	3
184	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
183	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
182	Isothermal Vapor-Liquid Equilibrium Data for the 1,1,2,3,3,3-Hexafluoroprop-1-ene +1,1,2,2,3,3,4,4-Octafluorocyclobutane Binary System: Measurement and Modeling from (292 to 352) K and Pressures up to 2.6 MPa. <i>Journal of Chemical & Engineering Data</i> , 2015 , 60, 966-969	2.8	1
181	Stereo-selective synthesis, structural and antibacterial studies of novel glycosylated α , β -amino acid analogues. <i>Medicinal Chemistry Research</i> , 2015 , 24, 3174-3193	2.2	3
180	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	2.5	
179	Experimental Measurements and Thermodynamic Modeling of Hydrate Dissociation Conditions for the Xenon + TBAB + Water System. <i>Journal of Chemical & Engineering Data</i> , 2015 , 60, 1324-1330	2.8	8
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48	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
47	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
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45	[1,4-Phenyl-enebis(methyl-ene)]bis-(tri-phenyl-phospho-nium) bis-(tetra-fluoro-borate). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011 , 67, o3391		1
44	Gibbs ensemble Monte Carlo simulations of binary vapour-liquid-liquid equilibrium: application to n-hexane-water and ethane-ethanol systems. <i>Molecular Simulation</i> , 2010 , 36, 758-762	2	5

43	Phase equilibria and modeling of pyridinium-based ionic liquid solutions. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 15011-7	3.4	26
42	Pure Component and Binary Vapor-Liquid Equilibrium + Modeling for Hexafluoropropylene and Hexafluoropropylene Oxide with Toluene and Hexafluoroethane. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 411-418	2.8	15
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40	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 2093-2099	2.8	41
39	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
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35	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
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32	Monte Carlo simulations of vapor-liquid-liquid equilibrium of some ternary petrochemical mixtures. <i>Fluid Phase Equilibria</i> , 2010 , 299, 24-31	2.5	4
31	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
30	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
29	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
28	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
27	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
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25	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
24	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, 2011-2018	2.8	39
23	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
22	A new high-pressure vapour-liquid equilibrium apparatus. <i>Fluid Phase Equilibria</i> , 2008 , 269, 104-112	2.5	29
21	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
20	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
19	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
18	Estimation of pure component properties. <i>Fluid Phase Equilibria</i> , 2007 , 252, 1-27	2.5	111
17	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
16	Vapor-Liquid Equilibrium for Binary Systems of Diacetyl with Methanol and Acetone. <i>Journal of Chemical & Engineering Data</i> , 2006 , 51, 2083-2087	2.8	9
15	Monte carlo simulation of carboxylic acid phase equilibria. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 21938-43	3.4	21
14	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
13	New developments in differential ebulliometry: Experimental and theoretical. <i>Journal of Molecular Liquids</i> , 2006 , 125, 45-57	6	7
12	Vapor-Liquid Equilibrium Measurements of MTBE and TAME with Toluene. <i>Journal of Chemical & Engineering Data</i> , 2005 , 50, 56-59	2.8	6
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10	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
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