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A modified UNIFAC model. 2. Present parameter matrix and results for different thermodynamic properties

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462	Experimental and theoretical excess molar enthalpies of ternary and binary mixtures containing 2-Methoxy-2-Methylpropane, 1-propanol, heptane. <b>2013</b> , 66, 95-101	4
461	Vaporliquid equilibrium of isoamyl alcohol + isoamyl propionate and propionic acid + isoamyl propionate systems at 50.00, 101.33 and 150.00 kPa. <b>2013</b> , 356, 56-62	10
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308	Kinetic study of 1-butanol dehydration to di-n-butyl ether over Amberlyst 70. <b>2016</b> , 62, 180-194	3
307	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. <b>2016</b> , 425, 114-119	2
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305	Measurement and prediction of solid[Iquid phase equilibria for systems containing biphenyl in binary solution with long-chain n-alkanes. <b>2016</b> , 125, 793-801	10
304	Thermodynamics of aromatic polar compound (alkanone, alkanal or alkanoate) + hydrocarbon mixtures. <b>2016</b> , 421, 49-58	7
303	Further Development of Modified UNIFAC (Dortmund): Revision and Extension 6. <b>2016</b> , 61, 2738-2748	65

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302	Modeling phase equilibria of ternary systems (water´+´formic acid´+´ester or alcohol) through UNIFAC-original, SERLAS, NRTL, NRTL-modified, and three-suffix Margules: Parameter estimation using genetic algorithm. <b>2016</b> , 429, 254-265	23
301	Review of pre-combustion capture and ionic liquid in carbon capture and storage. <b>2016</b> , 183, 1633-1663	154
300	A novel characterization of furfural-extract oil from vacuum gas oil and its application in solvent extraction process. <b>2016</b> , 152, 356-366	5
299	Application of the UNIFAC models for prediction and description of excess molar enthalpies for binary mixtures of n-propanol, acetic acid, n-propyl acetate, and water. <b>2016</b> , 427, 202-208	4
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297	Solubility modelling for phytochemicals of Misai Kucing in different solvents. <b>2016</b> , 427, 246-258	2
296	Determination of the phase diagram and main thermophysical properties of the erythritolUrea eutectic mixture for its use as a phase change material. <b>2016</b> , 157, 894-906	15
295	Activity coefficients and excess Gibbs energy functions of acetophenone with 1,2-dichloroethane and 1,1,2,2-tetrachloroethane binary mixtures by using NRTL, UNIQUAC, UNIFAC and VAN LAAR models at a local atmospheric pressure of 95.3 kPa. <b>2016</b> , 2, 211-218	2
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274	Flash point prediction of tailor-made green diesel blends containing B5 palm oil biodiesel and alcohol. <b>2016</b> , 175, 287-293		19
273	Solubility Prediction of Active Pharmaceutical Compounds with the UNIFAC Model. <b>2016</b> , 37, 1		8
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270	Vapor�liquid Equilibria, Excess Enthalpy, and Density of Aqueous ₽Valerolactone Solutions <b>2016</b> , 61, 881-890		30
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250	Isobaric VaporDiquid Equilibrium for the Binary Systems Dimethyl Disulfide + C1©4 n-Alkanol at 40.000 and 101.325 kPa. <b>2017</b> , 62, 2037-2043	1
249	Orientational effects in mixtures of organic carbonates with alkanes or 1-alkanols. <b>2017</b> , 449, 91-103	3

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244	Solubility behavior of mixtures containing refined soybean oil and low-toxic solvents at different temperatures. <b>2017</b> , 442, 87-95	8
243	Model-Based Formulation of Biofuel Blends by Simultaneous Product and Pathway Design. <b>2017</b> , 31, 4096-4121	39
242	Calculation and prediction of binary mixture flash point using correlative and predictive local composition models. <b>2017</b> , 440, 95-102	8
241	A Review of Biorefinery Separations for Bioproduct Production via Thermocatalytic Processing. <b>2017</b> , 8, 115-137	15
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226	Prediction of vapor-liquid equilibria for the alcohol + glycerol systems using UNIFAC and modified UNIFAC (Dortmund). <b>2017</b> ,	1
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224	Terpenes solubility in water and their environmental distribution. <b>2017</b> , 241, 996-1002	36
223	The correlation and prediction of infinite dilution activity coefficients of compounds in water at 298.15 K. <b>2017</b> , 449, 117-129	9
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221	Vaporliquid Equilibria Measurements for Di-n-Propyl Ether and Butyl Ethyl Ether with n-Heptane. <b>2017</b> , 62, 204-209	3
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217	Kinetic modeling of the simultaneous etherification of ethanol with C4 and C5 olefins over AmberlystIB5 using model averaging. <b>2017</b> , 307, 122-134	8
216	Equilibrium study for ternary mixtures of biodiesel. <b>2017</b> , 273, 012008	1
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208	Minimum flash point behavior of ternary solutions with three minimum flash point binary constituents. <b>2018</b> , 217, 626-632		5
207	Excess molar enthalpies of R-fenchone + butan-1-ol or + pentan-1-ol. Modeling with COSMO-RS and UNIFAC. <b>2018</b> , 120, 13-20		2
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203	Experimental data and thermodynamic modeling of solid-liquid equilibrium of binary systems containing representative compounds of biodiesel and fossil fuels: Ethyl esters and n-hexadecane. <b>2018</b> , 220, 303-317		7
202	Measurement and Prediction of Vaporlliquid Equilibria in Ternary Systems Containing an Organic Component, Cyclohexylamine, and Cyclohexanol. <b>2018</b> , 63, 119-126		3
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196	The correlation and prediction of the temperature variation of infinite dilution activity coefficients of compounds in water. <b>2018</b> , 455, 1-5		4
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188	VAPOR-LIQUID EQUILIBRIUM CALCULATION FOR SIMULATION OF BIOETHANOL CONCENTRATION FROM SUGARCANE. <b>2018</b> , 35, 341-352	2
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183	Experimental study and modeling of citric acid solubility in alcohol mixtures. <b>2018</b> , 237, 96-102	11
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181	Experimental Binary VLE Data of Morpholine with 1-Butanol and 3-Methyl-1-butanol Systems. <b>2018</b> , 63, 3215-3226	1
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176	Solid Liquid Equilibrium of Binary Systems Containing Fatty Acids and Fatty Alcohols Using Differential Scanning Calorimetry. <b>2019</b> , 64, 5017-5027		4
175	Differential Scanning Calorimetric Study of Solidification Behavior of Monoacylglycerols to Investigate the Cold-Flow Properties of Biodiesel. <b>2019</b> , 96, 979-987		3
174	Vapor-liquid equilibrium and excess properties of the binary mixtures formed by ethyl isobutyrate and n-alkanols. <b>2019</b> , 139, 105884		О
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170	Interactions of Oil Drops Induced by the Lateral Capillary Force and Surface Tension Gradients. <b>2019</b> , 35, 14967-14973		O
169	Further Advance to a Practical Methodology To Assess Vaporlliquid Equilibrium Data: Influence on Binaries Rectification. <b>2019</b> , 64, 3933-3944		O
168	Experimental Measurements and Thermodynamic Modeling of Melting Temperature of the Binary Systems n-C11H24B-C14H30, n-C12H26B-C13H28, n-C12H26B-C14H30, and n-C13H28B-C15H32 for Cryogenic Thermal Energy Storage. <i>Industrial &amp; Discourse Engineering Chemistry Research</i> , <b>2019</b> , 58, 1502	3.9 <b>5-150</b> 3	6 <b>35</b>
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165	Characterization of Aqueous 1-Ethyl-3-Methylimidazolium Ionic Liquids for Calculation of Ion Dissociation. <b>2019</b> , 123, 1348-1358		11
164	Experimental Data of Fluid Phase Equilibria- Correlation and Prediction Models: A Review. <b>2019</b> , 7, 277		12
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161	Selecting Excipients Forming Therapeutic Deep Eutectic Systems-A Mechanistic Approach. <b>2019</b> , 16, 3091-3099		14
160	Liquid II quid equilibria of systems containing linseed oil biodiesel + methanol + glycerol: Experimental data and thermodynamic modeling. <b>2019</b> , 253, 460-473		9
159	Liquid-liquid equilibria for (2-hydroxy benzaldehyde + n-alkane) mixtures. Intermolecular and proximity effects in systems containing hydroxyl and aldehyde groups. <b>2019</b> , 135, 359-368		О

158	Conceptual design of production of eco-friendly polyoxymethylene dimethyl ethers catalyzed by acid functionalized ionic liquids. <b>2019</b> , 206, 10-21		10
157	Partial solvation parameters in conservation science for works of art. <b>2019</b> , 39, 1-12		3
156	CASE STUDIES ON THE USE OF DISTILLATION IN THE PHARMACEUTICAL INDUSTRY. <b>2019</b> , 787-797		1
155	New phase equilibrium data at ambient and high pressure for strongly asymmetric mixtures containing menthol. <b>2019</b> , 286, 110819		1
154	Model Performances Evaluated for Infinite Dilution Activity Coefficients Prediction at 298.15 K. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> ,	3.9	11
153	Isobaric Vapor Liquid Equilibria for Binary Mixtures of Isoamyl Acetate + Ethyl Acetate at 50 and 100 kPa. <b>2019</b> , 64, 2110-2115		1
152	Modelling and experimental validation of dimethyl carbonate solvent recovery from an aroma mixture by batch distillation. <b>2019</b> , 147, 1-17		1
151	Phase Diagrams of Fatty Acids as Biosourced Phase Change Materials for Thermal Energy Storage. <b>2019</b> , 9, 1067		8
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