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## Equation of state for saturated liquids

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543	On the possibility of complete condensation shock waves in retrograde fluids. <b>1975</b> , 70, 639-649		40
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538	Densities and dielectric constants for some LPG components and mixtures at cryogenic and standard temperatures. <b>1981</b> , 21, 85-93		26
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402	Influence of temperature on excess molar volumes for butyl acetate + aromatic hydrocarbons. <b>2004</b> , 42, 493-520		16

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385	Vapor-Liquid Equilibrium for Binary System of Thiophene + n-Hexane at (338.15 and 323.15) K and Thiophene + 1-Hexene at (333.15 and 323.15) K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2006</b> , 51, 2203-2208	2.8	44
384	Isobaric Vapor-Liquid Equilibria for the Binary Mixtures of Styrene with Ethylbenzene, o-Xylene, m-Xylene, and p-Xylene. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2006</b> , 51, 1051-1055	2.8	23

383	Vapor-liquid equilibria in the ternary system dipropyl ether+1-propanol+1-pentanol and the binary systems dipropyl ether+1-pentanol, 1-propanol+1-pentanol at 101.3kPa. <i>Fluid Phase Equilibria</i> , <b>2006</b> , 247, 175-181	2.5	16
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381	COMPARISON OF PREDICTIVE CORRELATIONS FOR THE NORMAL BOILING DENSITY OF NONPOLAR FLUIDS. <b>2006</b> , 193, 1445-1456		6
380	Measuring and modelling experimental densities and ultrasonic velocities of aromatic and halogenated environmental pollutants. <b>2007</b> , 67, 384-95		13
379	Isothermal Vapor-liquid Equilibria of Binary Mixtures of Nitrogen with Dimethyl Sulfoxide, N-Methyl-2-pyrrolidone, and Diethylene Glycol Monobutyl Ether at Elevated Pressures. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2007</b> , 52, 511-516	2.8	5
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372	A new predictive thermodynamic model in the wax formation phenomena at high pressure condition. <i>Fluid Phase Equilibria</i> , <b>2007</b> , 254, 126-137	2.5	30
371	Vapour-liquid equilibrium for the systems butane+methanol, +2-propanol, +1-butanol, +2-butanol, +2-methyl-2-propanol at 364.5K. <i>Fluid Phase Equilibria</i> , <b>2007</b> , 254, 49-59	2.5	18
370	Vapor-liquid equilibrium, densities, and interfacial tensions for the system ethyl 1,1-dimethylethyl ether (ETBE)+propan-1-ol. <i>Fluid Phase Equilibria</i> , <b>2007</b> , 255, 121-130	2.5	18
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368	Vapor-liquid equilibrium for binary system of diethyl sulfide+cyclohexane at 353.15 and 343.15K and diethyl sulfide+2-ethoxy-2-methylpropane at 343.15 and 333.15K. <i>Fluid Phase Equilibria</i> , <b>2007</b> , 252, 130-136	2.5	12
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364	Unlike Lennard-Jones parameters for vapor-liquid equilibria. <b>2007</b> , 135, 170-178		87
363	Isothermal (vapour+liquid) equilibria and excess Gibbs free energies in some binary (cyclopentanone+chloroalkane) mixtures at temperatures from 298.15K to 318.15K. <b>2007</b> , 39, 1452-1457		29
362	Effect of Temperature on Thermophysical Properties of Ethanol + Aliphatic Alcohols (C4-C5) Mixtures. <b>2007</b> , 138, 403-436		26
361	Computer-aided Measurement of Vapour-Liquid Equilibria in a Dynamic Still at Sub-Atmospheric Pressures. <b>2008</b> , 10, 615-637		11
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353	Vapor-liquid Equilibrium for the cis-2-Butene + Methanol, + 2-Propanol, + 2-Butanol, + 2-Methyl-2-propanol Systems at 364.5 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2008</b> , 53, 1539-1544	2.8	5
352	Phase Equilibria of Acrylonitrile and p-Bromobenzaldehyde in Carbon Dioxide. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2008</b> , 53, 1080-1084	2.8	20
351	Density and Speed of Sound Measurements of Methyl- and Propylcyclohexane <b>2008</b> , 22, 2629-2636		32
350	Vapor-liquid Equilibrium for the Systems trans-2-Butene + Methanol, + 1-Propanol, + 2-Propanol, + 2-Butanol, and + 2-Methyl-2-propanol at 364.5 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2008</b> , 53, 607-612	2.8	6
349	Isobaric Vapor-liquid Equilibria for Binary Systems of Acetone + Isopropenyl Acetate, 2-Butanone + Isopropenyl Acetate, and Isopropenyl Acetate + Acetylacetone at 101.3 kPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2008</b> , 53, 503-507	2.8	
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345	Vapor-Liquid equilibrium, densities, and interfacial tensions for the system benzene + propan-1-ol. <b>2008</b> , 46, 175-190		8
344	Vapor-Liquid Equilibrium for the Systems 2-Methylpropane + Methanol, + 2-Propanol, + 2-Butanol, and + 2-Methyl-2-propanol at 364.5 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2008</b> , 53, 913-918	2.8	3
343	Phase equilibria on four binary systems containing 3-methylthiophene. <i>Fluid Phase Equilibria</i> , <b>2009</b> , 279, 81-86	2.5	20
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341	A simple and generalized model for predicting the density of ionic liquids. <i>Fluid Phase Equilibria</i> , <b>2009</b> , 275, 145-151	2.5	77
340	Isobaric vapor-Liquid equilibrium for binary mixtures of 1-hexene+n-hexane and cyclohexane+cyclohexene at 30, 60 and 101.3kPa. <i>Fluid Phase Equilibria</i> , <b>2009</b> , 279, 11-16	2.5	24
339	Upward extrapolation of saturated liquid densities. <i>Fluid Phase Equilibria</i> , <b>2009</b> , 280, 30-34	2.5	6
338	(Vapour+liquid) equilibria and excess Gibbs free energies of (cyclohexanone+1-chlorobutane and+1,1,1-trichloroethane) binary mixtures at temperatures from (298.15 to 318.15)K. <b>2009</b> , 41, 1025-1029		5
337	Isobaric Vapor-Liquid Equilibria for the Binary Systems of Acetic Acid + Isopropenyl Acetate, Acetic Acid + Acetylacetone, and Water + Acetylacetone <i>Journal of Chemical &amp; Engineering Data</i> , <b>2009</b> , 54, 318-322	2.8	9
336	1 Introduction. <b>2009</b> , 1-24		
335	Simulation Comparison of PEMFC Micro-Cogeneration Units With Conventional and Innovative Fuel Processing. <b>2010</b> ,		3
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333	Phase equilibrium measurements for systems containing propanenitrile with tert-butyl ethyl ether and C4-hydrocarbons. <i>Fluid Phase Equilibria</i> , <b>2010</b> , 299, 148-160	2.5	5
332	Group combustion of staggeringly arranged heptane droplets at various Reynolds numbers, oxygen mole-fractions, and separation distances. <i>Fuel</i> , <b>2010</b> , 89, 1447-1460	7.1	8
331	Vapour-Liquid equilibrium for the systems diethyl sulphide+1-butene, +cis-2-butene, +2-methylpropane, +2-methylpropene, +n-butane, +trans-2-butene. <i>Fluid Phase Equilibria</i> , <b>2010</b> , 291, 180-187	2.5	6
330	Phase equilibria on five binary systems containing 1-butanethiol and 3-methylthiophene in hydrocarbons. <i>Fluid Phase Equilibria</i> , <b>2010</b> , 293, 157-163	2.5	7

329	Vapor-liquid equilibrium for binary system of tetrahydrothiophene+2,2,4-trimethylpentane and tetrahydrothiophene+2,4,4-trimethyl-1-pentene at 358.15 and 368.15K. <i>Fluid Phase Equilibria</i> , <b>2010</b> , 296, 159-163	2.5	
328	Thermodynamics of aqueous solutions of methyldiethanolamine and diisopropanolamine. <i>Fluid Phase Equilibria</i> , <b>2010</b> , 299, 51-59	2.5	16
327	Thermodynamic modeling of CO <sub>2</sub> solubility in aqueous solutions of NaCl and Na <sub>2</sub> SO <sub>4</sub> . <b>2010</b> , 55, 623-634		47
326	The refined e-NRTL model applied to CO <sub>2</sub> -H <sub>2</sub> O-alkanamine systems. <b>2010</b> , 65, 3638-3648		69
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324	Prediction of normalized biodiesel properties by simulation of multiple feedstock blends. <b>2010</b> , 101, 4431-9		37
323	Phase equilibria of binary systems of 3-methylthiophene with four different hydrocarbons. <i>Fluid Phase Equilibria</i> , <b>2010</b> , 288, 155-160	2.5	10
322	Phase equilibria for systems containing dimethyl disulfide and diethyl disulfide with hydrocarbons at 368.15K. <i>Fluid Phase Equilibria</i> , <b>2010</b> , 293, 175-181	2.5	5
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319	Isobaric Vapor-liquid Equilibria for Binary and Ternary Mixtures with Cyclohexane, Cyclohexene, and Methyl Isobutyl Ketone at 100 kPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2010</b> , 55, 5812-5817	2.8	8
318	Vapor-liquid Equilibria and Interfacial Tensions of the System Ethanol + 2-Methoxy-2-methylpropane. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2010</b> , 55, 428-434	2.8	16
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316	Predicting the Density of Straight and Processed Vegetable Oils from Fatty Acid Composition. <b>2010</b> , 24, 3262-3266		36
315	Isobaric Vapor-liquid Equilibria for (Acetic Acid + Cyclohexane) and (Cyclohexane + Acetylacetone) at a Pressure of 101.3 kPa and for (Acetic Acid + Acetylacetone) at a Pressure of 60.0 kPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2010</b> , 55, 1527-1531	2.8	6
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313	A Method To Estimate the Patel-Teja Equation of State Constants. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2010</b> , 55, 5094-5100	2.8	12
312	Compressibilities and viscosities of reference and vegetable oils for their use as hydraulic fluids and lubricants. <b>2011</b> , 13, 1293		45



311	Kinetics Oxidation of Heavy Oil. 1. Compositional and Full Equation of State Model. <b>2011</b> , 25, 4886-4895		18
310	Vapor-Liquid Equilibrium for Dimethyl Disulfide + Butane, + trans-But-2-ene, + 2-Methylpropane, + 2-Methylpropene, + Ethanol, and 2-Ethoxy-2-methylpropane. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2011</b> , 56, 2501-2510	2.8	6
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308	Isothermal Vapor-Liquid Equilibrium Data of Propan-1-ol + 2,2,4-Trimethylpentane and Butan-1-ol + 2,2,4-Trimethylpentane at 318.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2011</b> , 56, 3346-3350	2.8	5
307	Vapor-Liquid Equilibrium in the Binary Systems 2-Butanol + tert-Amyl Methyl Ether, 2-Butanol + Heptane, and Heptane + tert-Amyl Methyl Ether. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2011</b> , 56, 2256-2265	2.8	15
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303	Phase Equilibria Involved in the Extractive Distillation of Cyclohexane + Cyclohexene Using Diethyl Carbonate as an Entrainer. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2011</b> , 56, 4790-4796	2.8	7
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298	Physicochemical properties of green solvents derived from biomass. <b>2011</b> , 13, 2062		121
297	Analysis and optimization of two-column cryogenic process for argon recovery from hydrogen-depleted ammonia purge gas. <i>Chemical Engineering Research and Design</i> , <b>2011</b> , 89, 863-878	5.5	8
296	A modified Peng-Robinson equation of state for phase equilibrium calculation of liquefied, synthetic natural gas, and gas condensate mixtures. <b>2011</b> , 89, 1376-1387		34
295	Isobaric vapor-liquid equilibrium for binary systems containing benzothiophene. <i>Fluid Phase Equilibria</i> , <b>2011</b> , 307, 180-184	2.5	7
294	Estimation of densities of ionic liquids using Patel-Deja equation of state and critical properties determined from group contribution method. <b>2011</b> , 66, 2690-2698		54

293	Solubility of carbon dioxide in aqueous solutions of N-methyldiethanolamine and piperazine: Prediction and correlation. <i>Fluid Phase Equilibria</i> , <b>2011</b> , 302, 338-346	2.5	25
292	Phase equilibria on binary systems containing diethyl sulfide. <i>Fluid Phase Equilibria</i> , <b>2011</b> , 301, 200-205	2.5	6
291	Performance of cascade cycles working with blends of CO <sub>2</sub> + natural refrigerants. <b>2011</b> , 34, 1436-1445		34
290	Prediction of deep eutectic solvents densities at different temperatures. <b>2011</b> , 515, 67-72		167
289	Isothermal vapour-liquid equilibria in cyclohexanone + dichloroalkane binary mixtures at temperatures from 298.15 to 318.15K. <b>2011</b> , 76, 305-315		3
288	A SATURATED LIQUID DENSITY CORRELATION FOR PURE REFRIGERANTS AND OTHER SUBSTANCES. <b>2012</b> , 20, 1250004		1
287	Vapor-Liquid Equilibria, Excess Enthalpy, and Excess Volume of Binary Mixtures Containing an Alcohol (1-Butanol, 2-Butanol, or 2-Methyl-2-butanol) and 2-Ethoxy-2-methylbutane. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2012</b> , 57, 3502-3509	2.8	8
286	Physical Properties of HCFO-1233zd(E). <i>Journal of Chemical &amp; Engineering Data</i> , <b>2012</b> , 57, 3581-3586.8		69
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280	Isobaric VLE at 0.6MPa for binary systems Isobutyl Acetate+Ethanol, +1-Propanol or +2-Propanol. <i>Fluid Phase Equilibria</i> , <b>2012</b> , 331, 12-17	2.5	19
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