

# Petri K Uusi-Kyyny

## List of Publications by Citations

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110  
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118  
ext. papers

1,307  
ext. citations

2.9  
avg, IF

4.29  
L-index

#	Paper	IF	Citations
110	The Henry's law constant of N <sub>2</sub> O and CO <sub>2</sub> in aqueous binary and ternary amine solutions (MEA, DEA, DIPA, MDEA, and AMP). <i>Fluid Phase Equilibria</i> , <b>2011</b> , 311, 59-66	2.5	51
109	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
108	Vapor liquid equilibrium for the binary systems 2-methylpentane + 2-butanol at 329.2 K and n-hexane + 2-butanol at 329.2 and 363.2 K with a static apparatus. <i>Fluid Phase Equilibria</i> , <b>2002</b> , 201, 343-358	2.5	43
107	Vapor-Liquid Equilibrium for the Binary Systems of 3-Methylpentane + 2-Methyl-2-propanol at 331 K and + 2-Butanol at 331 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2001</b> , 46, 754-758	2.8	35
106	Novel micro-distillation column for process development. <i>Chemical Engineering Research and Design</i> , <b>2009</b> , 87, 705-710	5.5	32
105	Vapour-Liquid equilibrium for the 1-butene + methanol, + ethanol, + 2-propanol, + 2-butanol and + 2-methyl-2-propanol systems at 326 K. <i>Fluid Phase Equilibria</i> , <b>2003</b> , 206, 237-252	2.5	32
104	Hydrogen solubility in heavy oil systems: Experiments and modeling. <i>Fuel</i> , <b>2014</b> , 137, 393-404	7.1	27
103	Solubility of carbon dioxide in aqueous solutions of diisopropanolamine and methyldiethanolamine. <i>Fluid Phase Equilibria</i> , <b>2010</b> , 293, 101-109	2.5	27
102	Vapor-Liquid equilibrium for binary system of thiophene+2,2,4-trimethylpentane at 343.15 and 353.15K and thiophene+2-ethoxy-2-methylpropane at 333.15 and 343.15K. <i>Fluid Phase Equilibria</i> , <b>2007</b> , 261, 115-121	2.5	27
101	Vapor-Liquid Equilibrium for Binary System of 1-Propanethiol, Thiophene, and Diethyl Sulfide with Toluene at 90.03 kPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2006</b> , 51, 1372-1376	2.8	27
100	Measurements and modeling of CO <sub>2</sub> solubility in 1,8-diazabicyclo-[5.4.0]-undec-7-ene-glycerol solutions. <i>Fluid Phase Equilibria</i> , <b>2014</b> , 374, 25-36	2.5	25
99	Experimental and Theoretical Thermodynamic Study of Distillable Ionic Liquid 1,5-Diazabicyclo[4.3.0]non-5-enium Acetate. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 10445-10454	3.9	24
98	Isothermal Vapor Liquid Equilibrium for 2-Methylpropene + Methanol, + 1-Propanol, + 2-Propanol, + 2-Butanol, and + 2-Methyl-2-propanol Binary Systems at 364.5 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2006</b> , 51, 562-568	2.8	24
97	Phase equilibria on four binary systems containing 3-methylthiophene. <i>Fluid Phase Equilibria</i> , <b>2009</b> , 279, 81-86	2.5	20
96	Isothermal Vapor Liquid Equilibrium for Binary 2-Methylpropene + Methanol to Butanol Systems. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2004</b> , 49, 787-794	2.8	20
95	Chemical Recovery of $\gamma$ -Valerolactone/Water Biorefinery. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 15147-15158	3.9	20
94	Hydrogen solubility in furfural and 2-propanol: Experiments and modeling. <i>Journal of Chemical Thermodynamics</i> , <b>2017</b> , 112, 1-6	2.9	19

93	Development of a unique modular distillation column using 3D printing. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2016</b> , 109, 136-148	3.7	19
92	Vapor Pressures, Densities, and PC-SAFT Parameters for 11 Bio-compounds. <i>International Journal of Thermophysics</i> , <b>2019</b> , 40, 1	2.1	19
91	Feasibility of thermal separation in recycling of the distillable ionic liquid [DBNH][OAc] in cellulose fiber production. <i>Chemical Engineering Research and Design</i> , <b>2016</b> , 114, 287-298	5.5	19
90	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
89	Vapour-liquid equilibrium for the cis-2-butene + methanol, + ethanol, + 2-propanol, + 2-butanol and + 2-methyl-2-propanol systems at 337 K. <i>Fluid Phase Equilibria</i> , <b>2003</b> , 212, 129-141	2.5	18
88	Measurements of H <sub>2</sub> S solubility in aqueous diisopropanolamine solutions and vapour pressure of diisopropanolamine. <i>Fluid Phase Equilibria</i> , <b>2013</b> , 338, 164-171	2.5	17
87	Vapor-liquid Equilibrium for the Binary Systems of Methanol + 2,4,4-Trimethyl-1-pentene at 331 K and 101 kPa and Methanol + 2-Methoxy-2,4,4-trimethylpentane at 333 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2001</b> , 46, 1244-1248	2.8	17
86	A comprehensive thermodynamic study of heat stable acetic acid salt of monoethanolamine. <i>International Journal of Greenhouse Gas Control</i> , <b>2014</b> , 22, 313-324	4.2	16
85	Thermodynamics of aqueous solutions of methyldiethanolamine and diisopropanolamine. <i>Fluid Phase Equilibria</i> , <b>2010</b> , 299, 51-59	2.5	16
84	Infinite dilution activity coefficient measurements by inert gas stripping method. <i>Fluid Phase Equilibria</i> , <b>2006</b> , 243, 126-132	2.5	16
83	Isothermal vapour-liquid equilibrium measurements for six binary systems of C <sub>4</sub> hydrocarbons + 2-propanone. <i>Fluid Phase Equilibria</i> , <b>2004</b> , 226, 173-181	2.5	16
82	Vapour-liquid equilibrium for the 2-methylpropane+methanol, +ethanol, +2-propanol, +2-butanol and +2-methyl-2-propanol systems at 313.15K. <i>Fluid Phase Equilibria</i> , <b>2005</b> , 232, 90-99	2.5	16
81	Vapor Liquid Equilibrium for Six Binary Systems of C <sub>4</sub> -Hydrocarbons + 2-Propanone. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2006</b> , 51, 554-561	2.8	15
80	Vapor-liquid Equilibrium for the trans-2-Butene + Methanol, + Ethanol, + 2-Propanol, + 2-Butanol, and + 2-Methyl-2-propanol Systems at 332 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2004</b> , 49, 1168-1174	2.8	15
79	Vapor-liquid Equilibrium, Excess Molar Enthalpies, and Excess Molar Volumes of Binary Mixtures Containing Methyl Isobutyl Ketone (MIBK) and 2-Butanol, tert-Pentanol, or 2-Ethyl-1-hexanol. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2012</b> , 57, 3092-3101	2.8	14
78	Vapor-liquid Equilibrium for 1-Propanol + 1-Butene, + cis-2-Butene, + 2-Methyl-propene, + trans-2-Butene, + n-Butane, and + 2-Methyl-propane. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2004</b> , 49, 1628-1634	2.8	14
77	Vapor-liquid Equilibrium for Butane + Methanol, + Ethanol, + 2-Propanol, + 2-Butanol, and + 2-Methyl-2-Propanol (TBA) at 323 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2008</b> , 53, 83-88	2.8	13
76	Finding a suitable thermodynamic model and phase equilibria for hydrodeoxygenation reactions of methyl heptanoate. <i>Fuel</i> , <b>2011</b> , 90, 3315-3322	7.1	12

75	Vapor-Liquid Equilibrium for Binary System of Diethyl Sulfide + n-Heptane and Diethyl Sulfide + 2,2,4-Trimethylpentane at (363.15 and 353.15) K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2007</b> , 52, 192-198	2.8	12
74	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
73	Solubility of hydrogen in bio-oil compounds. <i>Journal of Chemical Thermodynamics</i> , <b>2016</b> , 102, 406-412	2.9	12
72	Vapor Liquid Equilibrium for the Binary Systems of 2-Methyl-2-propanol + 2,4,4-Trimethyl-1-pentene at 333 K and 348 K and 2-Butanol + 2,4,4-Trimethyl-1-pentene at 360 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2001</b> , 46, 686-691	2.8	11
71	Dew points of pure DBN and DBU and vapor-liquid equilibria of water+DBN and water+DBU systems for cellulose solvent recycling. <i>Fluid Phase Equilibria</i> , <b>2016</b> , 408, 79-87	2.5	10
70	Physical Properties of 7-Methyl-1,5,7-triazabicyclo[4.4.0]dec-5-ene (mTBD). <i>International Journal of Thermophysics</i> , <b>2019</b> , 40, 1	2.1	10
69	Control of reflux and reboil flow rates for milli and micro distillation. <i>Chemical Engineering Research and Design</i> , <b>2013</b> , 91, 753-760	5.5	10
68	Distillable Protic Ionic Liquid 2-(Hydroxy)ethylammonium Acetate (2-HEAA): Density, Vapor Pressure, Vapor-Liquid Equilibrium, and Solid-Liquid Equilibrium. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 19322-19330	3.9	10
67	Microscale distillation. <i>Russian Journal of General Chemistry</i> , <b>2012</b> , 82, 2079-2087	0.7	10
66	Vapor-Liquid Equilibrium at 350 K, Excess Molar Enthalpies at 298 K, and Excess Molar Volumes at 298 K of Binary Mixtures Containing Ethyl Acetate, Butyl Acetate, and 2-Butanol. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2013</b> , 58, 1011-1019	2.8	10
65	Vapor-Liquid Equilibrium for Methoxymethane + Methyl Formate, Methoxymethane + Hexane, and Methyl Formate + Methanol. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2011</b> , 56, 2634-2640	2.8	10
64	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
63	Isothermal binary vapour-liquid equilibrium for butanes and butenes with dimethylsulphide. <i>Fluid Phase Equilibria</i> , <b>2008</b> , 266, 143-153	2.5	10
62	Isobaric Vapor Liquid Equilibrium for 2,3-Dimethyl-2-butene + Methanol, + Ethanol, + 2-Propanol, or + 2-Butanol at Atmospheric Pressure. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2004</b> , 49, 251-255	2.8	10
61	Isothermal vapor-liquid equilibrium and excess molar enthalpies of the binary mixtures furfural+methyl isobutyl ketone, +2-butanol and +2-methyl-2-butanol. <i>Fluid Phase Equilibria</i> , <b>2014</b> , 372, 85-99	2.5	9
60	Measurements and modeling of LLE and HE for (methanol + 2,4,4-trimethyl-1-pentene), and LLE for (water + methanol + 2,4,4-trimethyl-1-pentene). <i>Journal of Chemical Thermodynamics</i> , <b>2015</b> , 85, 120-128	2.9	9
59	Vapor-Liquid Equilibrium for Methoxymethane + Thiophene, + Diethylsulfide, + 2-Methyl-2-propanethiol and 1-Hexene, + 1-Propanethiol. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2013</b> , 58, 956-963	2.8	9
58	A modified continuous flow apparatus for gas solubility measurements at high pressure and temperature with camera system. <i>Fluid Phase Equilibria</i> , <b>2014</b> , 382, 150-157	2.5	8

57	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
56	Vapor-Liquid Equilibrium of Ionic Liquid 7-Methyl-1,5,7-triazabicyclo[4.4.0]dec-5-enium Acetate and Its Mixtures with Water. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2020</b> , 65, 2405-2421	2.8	7
55	Comparative study: Absorption enthalpy of carbon dioxide into aqueous diisopropanolamine and monoethanolamine solutions and densities of the carbonated amine solutions. <i>Fluid Phase Equilibria</i> , <b>2014</b> , 376, 85-95	2.5	7
54	Hydrogen Solubility of Shale Oil Containing Polar Phenolic Compounds. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2017</b> , 56, 8738-8747	3.9	7
53	Isobaric vapor-Liquid equilibrium for binary systems containing benzothiophene. <i>Fluid Phase Equilibria</i> , <b>2011</b> , 307, 180-184	2.5	7
52	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
51	Vapor-Liquid Equilibrium for the 2-Methylpentane + 2-Methyl-2-propanol and + 2-Butanol Systems at 329 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2002</b> , 47, 371-375	2.8	7
50	A novel continuous flow apparatus with a video camera system for high pressure phase equilibrium measurements. <i>Fluid Phase Equilibria</i> , <b>2013</b> , 356, 291-300	2.5	6
49	Hydrogen solubility measurements of analyzed tall oil fractions and a solubility model. <i>Journal of Chemical Thermodynamics</i> , <b>2017</b> , 105, 15-20	2.9	6
48	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
47	Phase equilibria on binary systems containing diethyl sulfide. <i>Fluid Phase Equilibria</i> , <b>2011</b> , 301, 200-205	2.5	6
46	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
45	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
44	Vapor-Liquid Equilibrium for 1-Butene + Methanol, + 1-Propanol, + 2-Propanol, + 2-Butanol, and 2-Methyl-2-propanol (TBA) at 364.5 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2008</b> , 53, 1829-1835	2.8	6
43	Vapour-Liquid equilibrium for the ethyl ethanoate+1-butene, +cis-2-butene, +trans-2-butene, +2-methylpropene, +n-butane and +2-methylpropane. <i>Fluid Phase Equilibria</i> , <b>2005</b> , 230, 21-28	2.5	6
42	The use of microplants in process development—Case study of etherification of 2-ethoxy-2-methylbutane. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2013</b> , 74, 75-82	3.7	5
41	Measurement of activity coefficient at infinite dilution for some bio-oil components in water and mass transfer study of bubbles in the dilutor. <i>Fluid Phase Equilibria</i> , <b>2015</b> , 392, 1-11	2.5	5
40	Vapor-Liquid Equilibrium, Excess Molar Enthalpies, and Excess Molar Volumes of Binary Mixtures Containing 2-Ethoxy-2-methylpropane or 2-Ethoxy-2-methylbutane and Acetonitrile or Propanenitrile. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2013</b> , 58, 943-950	2.8	5

39	Isothermal Binary Vapor-Liquid Equilibrium for 2-Methylpropane and n-Butane with 1,2-Ethanedithiol and 2-Methyl-2-propanethiol. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2010</b> , 55, 291-296	2.8	5
38	Vapor-Liquid Equilibrium for Tetrahydrothiophene + n-Butane, + trans-2-Butene, + 2-Methylpropane, and + 2-Methylpropene. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2009</b> , 54, 1311-1317	2.8	5
37	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
36	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
35	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
34	Vapor-Liquid Equilibrium for Binary System of Diethyl Sulfide + n-Hexane at (338.15 and 323.15) K and Diethyl Sulfide + 1-Hexene at (333.15 and 323.15) K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2007</b> , 52, 571-576	2.8	5
33	Design of Equilibrium Cells for Phase Equilibria and PVT Measurements in Large Ranges of Temperatures and Pressures. I. Vapor-Liquid-Liquid Equilibria. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2016</b> , 61, 2700-2711	2.8	5
32	Isobaric Vapor-Liquid Equilibrium of Furfural + Valerolactone at 30 kPa and Isothermal Liquid-Liquid Equilibrium of Carbon Dioxide + Valerolactone + Water at 298 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2018</b> ,	2.8	5
31	Prototyping a calorimeter mixing cell with direct metal laser sintering. <i>Chemical Engineering Research and Design</i> , <b>2016</b> , 108, 146-151	5.5	4
30	Solubility of carbon monoxide in bio-oil compounds. <i>Journal of Chemical Thermodynamics</i> , <b>2017</b> , 105, 296-311	2.9	4
29	Vapor-Liquid equilibrium for the binary systems tetrahydrothiophene + toluene and tetrahydrothiophene + o-xylene at 368.15 K and 383.15 K. <i>Fluid Phase Equilibria</i> , <b>2010</b> , 296, 4-8	2.5	4
28	Vapor Liquid Equilibrium for the Binary Systems of 2-Methylpropane + Ethanenitrile and 2-Methylpropene + Ethanenitrile at 358 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2000</b> , 45, 116-119	2.8	4
27	A comprehensive study of CO <sub>2</sub> solubility in aqueous 2-HEAA and MEA + 2-HEAA solutions – Measurements and modeling. <i>International Journal of Greenhouse Gas Control</i> , <b>2015</b> , 42, 296-306	4.2	3
26	Temperature and Pressure Dependence of Density of a Shale Oil and Derived Thermodynamic Properties. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 5128-5135	3.9	3
25	110th Anniversary: Critical Properties and High Temperature Vapor Pressures for Furan, 2-Methylfuran, 2-Methoxy-2-methylpropane, 2-Ethoxy-2-methylbutane, n-Hexane, and Ethanol and Bubble Points of Mixtures with a New Apparatus. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 22350-22362	3.9	3
24	Application of Microreactors in the Dehydrogenation of Isobutane. <i>Topics in Catalysis</i> , <b>2011</b> , 54, 1206-1212	2.5	3
23	Vapor-Liquid Equilibrium for Thiophene + Butane, + trans-But-2-ene, + 2-Methylpropane, and + 2-Methylpropene. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2011</b> , 56, 614-621	2.8	3
22	Infinite dilution activity coefficient and vapour liquid equilibrium measurements for dimethylsulphide and tetrahydrothiophene with hydrocarbons. <i>Fluid Phase Equilibria</i> , <b>2010</b> , 295, 17-25	2.5	3

21	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
20	Practical Methodology for Distillation Design using a Miniplant. <i>Chemical Engineering and Technology</i> , <b>2006</b> , 29, 104-112	2	3
19	Vapor Liquid Equilibria for Ethanol + 2,4,4-Trimethyl-1-pentene and 2-Propanol + 2,4,4-Trimethyl-1-pentene at 101 kPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2003</b> , 48, 280-285	2.8	3
18	Densities, Viscosities, and Thermal Conductivities of the Ionic Liquid 7-Methyl-1,5,7-triazabicyclo[4.4.0]dec-5-enium Acetate and Its Mixtures with Water. <i>International Journal of Thermophysics</i> , <b>2020</b> , 41, 1	2.1	3
17	Vapor- liquid equilibrium for the n-dodecane- $\phi$ -phenol and n-hexadecane- $\phi$ -phenol systems at 523 K and 573 K. <i>Fluid Phase Equilibria</i> , <b>2021</b> , 537, 112991	2.5	3
16	Micro-scale piloting of a process for production of 2-methoxy-2,4,4-trimethylpentane. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2017</b> , 122, 143-154	3.7	2
15	Application of GaInSn Liquid Metal Alloy Replacing Mercury in a Phase Equilibrium Cell: Vapor Pressures of Toluene, Hexylbenzene, and 2-Ethyl-naphthalene. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2020</b> , 65, 3270-3276	2.8	2
14	Hydrodeoxygenation Model Compounds $\epsilon$ -Heptalactone and $\epsilon$ -Nonalactone: Density from 293 to 473 K and H <sub>2</sub> Solubility from 479 to 582 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2020</b> , 65, 2764-2773	2.8	2
13	Study of CO <sub>2</sub> Absorption into Phase Change Solvents MAPA and DEEA. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2017</b> , 62, 2261-2271	2.8	2
12	FEASIBILITY OF LASER MATERIAL PROCESSING IN THE DESIGN AND MANUFACTURE OF SMALL SCALE DEVICES. <i>Mechanika</i> , <b>2013</b> , 19,	1.5	2
11	Vapor-Liquid Equilibrium for 1-Butanol + 1-Butene at (318.4 and 364.5) K and Vapor-Liquid Equilibrium of 1-Butanol + 2-Methylpropane, + n-Butane and 1-Butene + 2-Methylpropane at 318.4 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2008</b> , 53, 2454-2461	2.8	2
10	Application-Related Consideration of the Thermal Stability of [mTBDH][OAc] Compared to Amidine-Based Ionic Liquids in the Presence of Various Amounts of Water. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2022</b> , 61, 259-268	3.9	2
9	A Volumetric Pitzer Model for Aqueous Solutions of Zinc Sulfate up to Near-Saturation Concentrations at Temperatures from 293.15 to 393.15 K and Pressures up to 10 MPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2021</b> , 66, 58-64	2.8	2
8	Volumetric Properties of Aqueous Solutions of Zinc Sulfate at Temperatures from 298.15 to 393.15 K and Pressures up to 10 MPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2021</b> , 66, 45-57	2.8	2
7	Measurements and modeling for the density of 2-methoxy-2,4,4-trimethylpentane, HE for (methanol + 2-methoxy-2,4,4-trimethylpentane), LLE for (water + 2-methoxy-2,4,4-trimethylpentane) and LLE for (water + methanol + 2-methoxy-2,4,4-trimethylpentane). <i>Journal of Chemical Thermodynamics</i> , <b>2015</b> , 91, 313-320	2.9	1
6	Vapor-Liquid equilibrium measurements of dimethylsulfide, +ethanol, +dimethylether, +methylacetate with a static total pressure method. <i>Fluid Phase Equilibria</i> , <b>2013</b> , 355, 34-39	2.5	1
5	Liquid-Liquid equilibria in binary and ternary systems of phenol + hydrocarbons (n-dodecane or n-hexadecane) and water + phenol + hydrocarbons (n-dodecane or n-hexadecane) at temperatures between 298K and 353K. <i>Fluid Phase Equilibria</i> , <b>2022</b> , 556, 113402	2.5	0
4	Hydrodeoxygenation of Propylphenols on a Niobia-Supported Platinum Catalyst: Ortho, Meta, Para Isomerism, Reaction Conditions, and Phase Equilibria. <i>Advanced Sustainable Systems</i> , <b>2020</b> , 4, 1900140	5.9	

- 3 6. Process intensification for microdistillation using the equipment miniaturization approach **2017**, 213-240
- 2 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. *Fluid Phase Equilibria*, **2010**, 296, 159-163 2.5
- 1 Reply to the letter to the editor by J. Gmehling and A. Jacob about the paper Phase equilibria on four binary systems containing 3-methylthiophene [Fluid Phase Equilib. 279 (2009) 81-86]. *Fluid Phase Equilibria*, **2010**, 292, 117 2.5