

So-Jin Park

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91
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20
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92
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1,361
ext. citations

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#	Paper	IF	Citations
91	Isothermal Vapor-Liquid Equilibria at 333.15 K and Excess Molar Volumes at 298.15 K of Ethyltert-Butyl Ether (ETBE) + Alcoh-1-ol (C1-C4) Mixtures. <i>Journal of Chemical & Engineering Data</i> , 1998 , 43, 1009-1013	2.8	69
90	Vapor-Liquid equilibria and excess properties for methyl tert-butyl ether (MTBE) containing binary systems. <i>Fluid Phase Equilibria</i> , 2002 , 200, 399-409	2.5	54
89	Phase Equilibrium and Physical Properties for the Purification of Propylene Carbonate (PC) and γ -Butyrolactone (GBL). <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 89-96	2.8	53
88	Excess Molar Volumes and Viscosity Deviations for the Ternary System N,N-Dimethylformamide + N-Methylformamide + Water and the Binary Subsystems at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2005 , 50, 1951-1955	2.8	45
87	Liquid-Liquid equilibria for methanol + hexadecane + heterocyclic nitrogen-containing compounds at 298.15 K. <i>Fluid Phase Equilibria</i> , 2002 , 193, 217-227	2.5	42
86	Isothermal vapor-liquid equilibria and excess molar volumes for 2-methyl pyrazine (2MP) containing binary mixtures. <i>Fluid Phase Equilibria</i> , 2001 , 180, 361-373	2.5	42
85	Isothermal Vapor-Liquid Equilibria of 2-Methoxy-2-methylbutane (TAME) + n-Alcohol (C1-C4) Mixtures at 323.15 and 333.15 K. <i>Journal of Chemical & Engineering Data</i> , 1997 , 42, 517-522	2.8	40
84	Liquid-Liquid equilibria for ternary systems of dimethyl carbonate+C1-C4 alcohols+water at 298.15K and atmospheric pressure. <i>Journal of Industrial and Engineering Chemistry</i> , 2012 , 18, 499-503	6.3	35
83	Isothermal Vapor-Liquid Equilibrium Data at T = 333.15 K and Excess Molar Volumes and Refractive Indices at T = 298.15 K for the Dimethyl Carbonate + Methanol and Isopropanol + Water with Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 2474-2481	2.8	33
82	Liquid-Liquid equilibria for the binary system of di-isopropyl ether (DIPE)+water in between 288.15 and 323.15K and the ternary systems of DIPE+water+C1-C4 alcohols at 298.15K. <i>Fluid Phase Equilibria</i> , 2008 , 269, 1-5	2.5	33
81	Isothermal Vapor-Liquid Equilibrium at 333.15 K, Density, and Refractive Index at 298.15 K for the Ternary Mixture of Dibutyl Ether + Ethanol + Benzene and Binary Subsystems. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 1018-1024	2.8	27
80	Excess molar volumes and deviations of refractive indices at 298.15K for binary and ternary mixtures with pyridine or aniline or quinoline. <i>Journal of Industrial and Engineering Chemistry</i> , 2010 , 16, 200-206	6.3	26
79	Isothermal vapor-liquid equilibrium at 333.15K and excess volumes and molar refractivity deviation at 298.15K for the ternary system di-butyl ether (1)+ethanol (2)+toluene (3) and its binary subsystems. <i>Fluid Phase Equilibria</i> , 2007 , 262, 161-168	2.5	25
78	Vapor-Liquid Equilibria and HE for Binary Systems of Dimethyl Ether (DME) with C1-C4 Alkan-1-ols at 323.15 K and Liquid-Liquid Equilibria for Ternary System of DME + Methanol + Water at 313.15 K. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 230-234	2.8	25
77	Isothermal Phase Equilibria and Excess Molar Enthalpies for Binary Systems with Dimethyl Ether at 323.15 K. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 1814-1818	2.8	24
76	Densities and Viscosities for the Ternary Systems of Methyl tert-Butyl Ether + Methanol + Benzene and Methyl tert-Butyl Ether + Methanol + Toluene and Their Sub-binary Systems at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2006 , 51, 1339-1344	2.8	24
75	Liquid-Liquid equilibria of ternary mixtures of dimethyl carbonate, diphenyl carbonate, phenol and water at 358.15 K. <i>Fluid Phase Equilibria</i> , 2011 , 301, 18-21	2.5	23

74	Isothermal vapor-liquid equilibrium at 333.15 K and excess molar volumes and refractive indices at 298.15 K for the mixtures of di-methyl carbonate, ethanol and 2,2,4-trimethylpentane. <i>Fluid Phase Equilibria</i> , 2009 , 276, 142-149	2.5	21
73	Binary Liquid-Liquid Equilibrium (LLE) for N-Methylformamide (NMF) + Hexadecane between (288.15 and 318.15) K and Ternary LLE for Systems of NMF + Heterocyclic Nitrogen Compounds + Hexadecane at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 78-82	2.8	20
72	Excess molar volumes and refractive indices at 298.15 K for the binary and ternary mixtures of diisopropyl ether + ethanol + 2,2,4-trimethylpentane. <i>Journal of Industrial and Engineering Chemistry</i> , 2008 , 14, 377-381	6.3	20
71	Isothermal VLE and VE at 303.15 K for the Binary and Ternary Mixtures of Di-isopropyl Ether (DIPE) + 1-Propanol + 2,2,4-Trimethylpentane. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 2503-2508	2.8	20
70	Vapor-liquid equilibria for the ternary systems of methyl tert-butyl ether + methanol + benzene and methyl tert-butyl ether + methanol + toluene and constituent binary systems at 313.15 K. <i>Fluid Phase Equilibria</i> , 2003 , 209, 215-228	2.5	19
69	Vapor-liquid equilibria and excess molar properties of MTBE + methanol and + ethanol mixtures. <i>Korean Journal of Chemical Engineering</i> , 1995 , 12, 110-114	2.8	19
68	Liquid-Liquid Equilibria for Ternary Mixtures of Methylphenyl Carbonate, Dimethyl Carbonate, Diphenyl Carbonate, Anisole, Methanol, Phenol, and Water at Several Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2014 , 59, 323-328	2.8	18
67	Solid-liquid equilibria and the physical properties of binary systems of diphenyl carbonate, dimethyl carbonate, methyl phenyl carbonate, anisole, methanol and phenol. <i>Fluid Phase Equilibria</i> , 2014 , 376, 105-110	2.5	18
66	Solid-Liquid Equilibria, Excess Molar Volumes, and Molar Refractivity Deviations for Extractive Solvents of Molybdenum. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 1179-1185	2.8	18
65	Measurement and Correlation of Vapor-Liquid Equilibria at T = 333.15 K and Excess Molar Volumes at T = 298.15 K for Ethanol + Dimethyl Carbonate (DMC), DMC + 1-Propanol, and DMC + 1-Butanol. <i>Journal of Chemical & Engineering Data</i> , 2006 , 51, 1852-1855	2.8	18
64	(Liquid + Liquid) Equilibrium for (N,N-Dimethylformamide (DMF) + Hexadecane) at Temperatures between (293.15 and 313.15) K and Ternary Mixtures of (DMF + Hexadecane) with Either Quinoline, or Pyridine, or Pyrrole, or Aniline, or Indole at T = 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 1266-1270	2.8	17
63	Isothermal vapor-liquid equilibrium at 333.15K, excess molar volumes and refractive indices at 298.15K for mixtures of tert-amyl methyl ether+ethanol+2,2,4-trimethylpentane. <i>Fluid Phase Equilibria</i> , 2009 , 281, 5-11	2.5	17
62	Excess Molar Volumes at 298.15 K and Isothermal Vapor-Liquid Equilibria at 333.15 K for the Binary Mixtures of Dimethyl Carbonate with Benzene, Toluene, n-Heptane, and Isooctane. <i>Journal of Chemical & Engineering Data</i> , 2006 , 51, 1868-1872	2.8	17
61	Liquid-Liquid equilibria for ternary mixtures of methyl tert-butyl ether, ethyl tert-butyl ether, water and imidazolium-based ionic liquids at 298.15 K. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 3292-3296	6.3	16
60	Isothermal Vapor-Liquid Equilibrium at 333.15 K and Excess Molar Volumes, Refractive Indices, and Excess Molar Enthalpies at 303.15 K for the Binary and Ternary Mixtures of Di-isopropyl Ether, Ethanol, and 2,2,4-Trimethylpentane. <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 3051-3058	2.8	16
59	Binary Liquid-Liquid Equilibrium (LLE) for Dibutyl Ether (DBE) + Water from (288.15 to 318.15) K and Ternary LLE for Systems of DBE + C1 ~ C4 Alcohols + Water at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 2089-2094	2.8	16
58	Isothermal vapor-liquid equilibrium at 303.15K and excess molar volumes at 298.15K for the ternary system of propyl vinyl ether+1-propanol+2,2,4-trimethyl-pentane and its binary sub-systems. <i>Fluid Phase Equilibria</i> , 2007 , 259, 146-152	2.5	15
57	Azeotrope breaking for the system ethyl tert-butyl ether (ETBE)+ethanol at 313.15K and excess properties at 298.15K for mixtures of ETBE and ethanol with phosphonium-based ionic liquids. <i>Fluid Phase Equilibria</i> , 2013 , 344, 32-37	2.5	14

56	Isothermal Binary and Ternary VLE for the Mixtures of Propyl Vinyl Ether + Ethanol + Isooctane at 323.15 K and VLE at 293.15 K. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 1118-1122	2.8	14
55	Isothermal vapor-liquid equilibrium at 323.15K and excess molar volumes and refractive indices at 298.15K for the ternary system propyl vinyl ether+1-propanol+benzene and its binary sub-systems. <i>Fluid Phase Equilibria</i> , 2008 , 274, 73-79	2.5	14
54	Liquid-liquid equilibria, excess molar volume and deviations of the refractive indices at 298.15K for mixtures of solvents used in the molybdenum extraction process. <i>Fluid Phase Equilibria</i> , 2013 , 354, 59-65	2.5	13
53	Isothermal vapor-liquid equilibrium at T = 333.15 K and excess volumes and molar refractivity deviation at T = 298.15 K for the ternary mixtures {di-methyl carbonate (DMC) + ethanol + benzene} and {DMC + ethanol + toluene}. <i>Fluid Phase Equilibria</i> , 2011 , 303, 150-156	2.5	13
52	Liquid-liquid Equilibria for Binary System of Ethanol + Hexadecane at Elevated Temperature and the Ternary Systems of Ethanol + Heterocyclic Nitrogen Compounds + Hexadecane at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 1919-1924	2.8	13
51	Liquid-liquid equilibrium for binary and ternary systems containing di-isopropyl ether (DIPE) and an imidazolium-based ionic liquid at different temperatures. <i>Fluid Phase Equilibria</i> , 2010 , 299, 294-299	2.5	12
50	Thermo-physical properties, excess and deviation properties for a mixture of ϵ -butyrolactone with diethyl carbonate or propylene carbonate. <i>Korean Journal of Chemical Engineering</i> , 2018 , 35, 222-233	2.8	12
49	Liquid-liquid equilibria at 298.15 K for ternary mixtures of methyl tert-butyl ether + methanol (or ethanol) + imidazolium-based ionic liquids at atmospheric pressure. <i>Fluid Phase Equilibria</i> , 2013 , 342, 82-87	2.5	11
48	Binary LLE for Propyl Vinyl Ether (PVE) + Water, Ternary LLE for PVE + Methanol or Ethanol + Water at 298.15 K, and VE and R at 293.15 K for the Mixture of PVE + Ethanol + 2,2,4-Trimethylpentane. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 2395-2399	2.8	11
47	Vapor-liquid equilibrium, densities and viscosities for the binary system exo- and endo-tetrahydrodicyclopentadiene and pure component vapor pressures. <i>Fluid Phase Equilibria</i> , 2006 , 249, 187-191	2.5	11
46	Liquid-liquid equilibria for aqueous sulfuric acid solutions with undecane, dodecane, or 1-dodecanol, trioctylamine or tributyl phosphate and excess and deviation properties for sub-binary systems at 298.15 K. <i>Fluid Phase Equilibria</i> , 2013 , 343, 36-42	2.5	10
45	Vapor-liquid Equilibria for the Ternary Systems of Methyltert-Butyl Ether + Methanol + Methylcyclohexane and Methyltert-Butyl Ether + Methanol + n-Heptane and Constituent Binary Systems at 313.15 K. <i>Journal of Chemical & Engineering Data</i> , 2005 , 50, 1564-1569	2.8	10
44	Liquid-liquid equilibria in the ternary systems {hexadecane+BTX aromatics+2-methoxyethanol or acetonitrile} at 298.15K. <i>Fluid Phase Equilibria</i> , 2015 , 389, 9-15	2.5	9
43	Volumetric, acoustic and optical studies of ternary mixture of diisopropyl ether, n-heptane and n-octane. <i>Journal of Molecular Liquids</i> , 2020 , 306, 112605	6	9
42	Density and viscosity studies of mixtures of oxygenate with n-alkanes (C9-C12) at (298.15, 308.15 and 318.15) K: Application of Prigogine-Flory-Patterson and Bloomfield and Dewan Model. <i>Journal of Molecular Liquids</i> , 2020 , 306, 112859	6	9
41	Density, refractive index, excess molar volumes and deviations in molar refraction at 298.15 K for binary and ternary mixtures of DIPE (OR TAME) + 1-methanol (or 1-propanol) + trihexyltetra-decylphosphonium bis (2,4,4-trimethylpentyl) phosphinate. <i>Canadian Journal of Chemical Engineering</i> , 2012 , 90, 396-402	2.3	9
40	SLE and LLE for tri-butylphosphate or tri-octylamine contained systems; extractive solvents of Molybdenum. <i>Fluid Phase Equilibria</i> , 2010 , 295, 172-176	2.5	9
39	Excess molar enthalpies for the binary and ternary mixtures of ether compounds (di-isopropyl ether, di-butyl ether, propyl vinyl ether) with ethanol and isooctane at 298.15 K. <i>Korean Journal of Chemical Engineering</i> , 2008 , 25, 1160-1164	2.8	9

38	Fractionation of Aromatic Heavy Oil by Dynamic Supercritical Fluid Extraction. <i>Industrial & Engineering Chemistry Research</i> , 2000 , 39, 4897-4900	3.9	9
37	Density, refractive index and kinematic viscosity of MIPK, MEK and phosphonium-based ionic liquids and the excess and deviation properties of their binary systems. <i>Korean Journal of Chemical Engineering</i> , 2017 , 34, 214-224	2.8	8
36	The liquid-liquid equilibria for low pH aqueous acid solution+tri-octylamine (or tri-butylphosphate)+1-decane and the binary and ternary excess molar volumes and deviations of the refractive indices. <i>Fluid Phase Equilibria</i> , 2012 , 314, 7-12	2.5	8
35	Binary Liquid-Liquid Equilibrium (LLE) for Methyl tert-Amyl Ether (TAME) + Water from (288.15 to 313.15) K and Ternary LLE for Systems of TAME + C1-C4 Alcohols + Water at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 2878-2883	2.8	8
34	Solid-Liquid Equilibria, Excess Molar Volumes, and Deviations in the Molar Refractivity for the Binary Systems of Alamine 304-1 + Decane, Dodecane, or Dodecanol. <i>Journal of Chemical & Engineering Data</i> , 2014 , 59, 289-294	2.8	7
33	Isothermal vapor-liquid equilibria and excess molar volumes for the ternary mixtures containing 2-methyl pyrazine. <i>Fluid Phase Equilibria</i> , 2002 , 193, 109-121	2.5	7
32	The selectivity of imidazolium-based ionic liquids with different anions to BTX aromatics in hexane at 298.15 K and atmospheric pressure. <i>Korean Journal of Chemical Engineering</i> , 2016 , 33, 2982-2989	2.8	7
31	Isothermal vapor-liquid equilibria, excess molar volume and the deviation of refractive indices for binary mixtures of 1-butanol, 1-hexanol, 3-methyl-1-butanol and butyl acetate. <i>Fluid Phase Equilibria</i> , 2017 , 436, 47-54	2.5	6
30	The solid-liquid equilibrium, excess molar volume and refractive deviation properties of binary systems containing dimethyl carbonate, anisole and phenol. <i>Fluid Phase Equilibria</i> , 2014 , 383, 21-26	2.5	6
29	Solid-Liquid equilibrium and mixture properties for the binary systems of Alamine 336 with decane, dodecane, and 1-dodecanol. <i>Fluid Phase Equilibria</i> , 2014 , 361, 130-134	2.5	6
28	Isothermal Vapor-Liquid Equilibrium at 333.15 K and Excess Volumes and Molar Refractivity Deviation at 298.15 K for Binary System Dibutyl Ether (DBE) + 2,2,4-Trimethylpentane and for Ternary System DBE + Ethanol + 2,2,4-Trimethylpentane. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 864-870	2.8	6
27	Liquid-Liquid Equilibrium, Solid-Liquid Equilibrium, Densities, and Refractivity of a Water, Chloroform, and Acetylacetone Mixture. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 1798-1803	2.8	6
26	Volumetric, enthalpic and VLE studies of binary mixtures of isomers of butyl chloride with cyclohexane at 298.15 K. <i>Journal of Molecular Liquids</i> , 2020 , 298, 111946	6	6
25	Cs desorption behavior during hydrothermal treatment of illite with oxalic acid. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 35580-35590	5.1	6
24	Colorimetric Method for Detection of Hydrazine Decomposition in Chemical Decontamination Process. <i>Energies</i> , 2019 , 12, 3967	3.1	5
23	Ternary liquid-liquid equilibria and binary excess and deviation properties at constant temperature for mixtures of dimethyl carbonate, anisole, methanol, phenol and water. <i>Fluid Phase Equilibria</i> , 2014 , 378, 93-101	2.5	5
22	Solid-Liquid equilibrium, excess molar volume, and deviations in the molar refractivity for the binary and ternary mixtures of Alamine 304-1 with 1-octanol, 2-octanol, and 1-decanol. <i>Fluid Phase Equilibria</i> , 2012 , 324, 44-49	2.5	5
21	Binary and Ternary Vapor-Liquid Equilibrium at 323.15 K and Excess Molar Volumes at 298.15 K for the Mixtures of Propyl Vinyl Ether + 1-Propanol + Toluene. <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 1041-1045	2.8	5

20	Liquid-Liquid Equilibrium for Ternary Systems of Propyl Vinyl Ether + C3 or C4 Alcohols + Water at 298.15 K and Excess Molar Enthalpies for Ternary and Constituent Binary Systems of Propyl Vinyl Ether + Ethanol + Isooctane at 303.15 K. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 475-480	2.8	5
19	Measurement and modeling of transport properties of binary liquid mixtures containing oxygenates and n-alkanes. <i>Korean Journal of Chemical Engineering</i> , 2019 , 36, 1922-1931	2.8	4
18	Isobaric vapor-liquid equilibrium at 101.3 kPa and excess properties at 298.15 K for binary mixtures of methyl phenyl carbonate with methanol or dimethyl carbonate. <i>Fluid Phase Equilibria</i> , 2013 , 360, 260-264	2.5	4
17	Vapor-liquid equilibria at 333.15K and excess molar volumes and deviations in molar refractivity at 298.15K for mixtures of diisopropyl ether, ethanol and ionic liquids. <i>Fluid Phase Equilibria</i> , 2011 , 309, 145-145	2.5	4
16	Isothermal vapor-liquid equilibrium at 333.15K and excess molar volumes at 298.15K for the ternary system di-isopropyl ether+n-propyl alcohol+toluene and its binary subsystems. <i>Fluid Phase Equilibria</i> , 2008 , 270, 103-108	2.5	4
15	Excess molar volumes at the 308.15 K for constituent binaries of n-decane, n-dodecane, 1-decanol and 1-dodecanol. <i>Korean Journal of Chemical Engineering</i> , 1995 , 12, 152-155	2.8	4
14	Measurement and correlation of thermodynamic properties of ternary mixtures of oxygenated fuel. <i>Korean Journal of Chemical Engineering</i> , 2020 , 37, 1181-1194	2.8	2
13	Hydrothermal Desorption of Cs with Oxalic Acid from Hydrobiotite and Wastewater Treatment by Chemical Precipitation. <i>Energies</i> , 2020 , 13, 3284	3.1	2
12	Measurement and modelling of solid-liquid equilibria, density and viscosity of fatty acid methyl or ethyl esters. <i>Journal of Molecular Liquids</i> , 2020 , 314, 113628	6	2
11	Liquid-Liquid equilibria for the pseudo-ternary system {aqueous sulfuric acid solution+methyl ethyl ketone or methyl isopropyl ketone+phosphonium-based ionic liquids} at 298.15K and atmospheric pressure. <i>Fluid Phase Equilibria</i> , 2013 , 358, 1-6	2.5	2
10	Tracking the distribution of organic compounds using fugacity model. <i>Korean Journal of Chemical Engineering</i> , 2000 , 17, 12-16	2.8	2
9	Solid-liquid phase equilibria, excess molar volume, and molar refraction deviation for the mixtures of ethanoic acid with propanoic, butanoic, and pentanoic acid. <i>Korean Journal of Chemical Engineering</i> , 2018 , 35, 1710-1715	2.8	1
8	Numerical analysis of flow distribution for combined weapon system in environmental tester. <i>Journal of Mechanical Science and Technology</i> , 2012 , 26, 3339-3345	1.6	1
7	Excess molar volumes for titanium butoxide contained binary and ternary systems at 298.15 K. <i>Journal of Industrial and Engineering Chemistry</i> , 2008 , 14, 243-246	6.3	1
6	Pattern formation using polystyrene benzaldimine self-assembled monolayer by soft X-ray. <i>Surface and Interface Analysis</i> , 2019 , 51, 408-412	1.5	1
5	Homeotropic alignment of liquid crystals on ITO surface using LBL assembly. <i>Journal of the Society for Information Display</i> , 2018 , 26, 413-418	2.1	1
4	Solid-liquid equilibria and thermo-physical properties of liquid electrolyte systems for lithium ion batteries. <i>Fluid Phase Equilibria</i> , 2018 , 473, 138-144	2.5	1
3	Solid-liquid phase equilibria, excess volume and molar refraction deviation for carbonate ester systems with γ -Butyrolactone (GBL). <i>Journal of Molecular Liquids</i> , 2020 , 314, 113627	6	

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- 1 Solid-liquid equilibrium and kinematic viscosity of binary mixture of fatty acid alkyl esters. *Korean Journal of Chemical Engineering*, **2021**, 38, 1006-1013 2.8