So-Jin Park

List of Publications by Year in descending order

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92 papers	1,442 citations	361045 20 h-index	433756 31 g-index
92 all docs	92 docs citations	92 times ranked	756 citing authors

#	Article	IF	Citations
1	Isothermal Vaporâ"Liquid Equilibria at 333.15 K and Excess Molar Volumes at 298.15 K of Ethyltert-Butyl Ether (ETBE) + Alcoh-1-ol (C1â"C4) Mixtures. Journal of Chemical & Engineering Data, 1998, 43, 1009-1013.	1.0	70
2	Phase Equilibrium and Physical Properties for the Purification of Propylene Carbonate (PC) and Î³-Butyrolactone (GBL). Journal of Chemical & Engineering Data, 2011, 56, 89-96.	1.0	62
3	Vaporâ€"liquid equilibria and excess properties for methyl tert-butyl ether (MTBE) containing binary systems. Fluid Phase Equilibria, 2002, 200, 399-409.	1.4	58
4	Excess Molar Volumes and Viscosity Deviations for the Ternary System N,N-Dimethylformamide + N-Methylformamide + Water and the Binary Subsystems at 298.15 K. Journal of Chemical & Engineering Data, 2005, 50, 1951-1955.	1.0	46
5	Liquidâ€"liquid equilibria for methanol + hexadecane + heterocyclic nitrogen-containing compounds at 298.15 K. Fluid Phase Equilibria, 2002, 193, 217-227.	1.4	45
6	Isothermal Vaporâ"Liquid Equilibria of 2-Methoxy-2-methylbutane (TAME) +n-Alcohol (C1â"C4) Mixtures at 323.15 and 333.15 K. Journal of Chemical & Engineering Data, 1997, 42, 517-522.	1.0	42
7	Isothermal vaporâ€"liquid equilibria and excess molar volumes for 2-methyl pyrazine (2MP) containing binary mixtures. Fluid Phase Equilibria, 2001, 180, 361-373.	1.4	42
8	Isothermal Vaporâ"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. Journal of Chemical & Engineering Data, 2010, 55, 2474-2481.	1.0	40
9	Liquidâ€"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+C1â€"C4 alcohols at 298.15K. Fluid Phase Equilibria, 2008, 269, 1-5.	1.4	37
10	Liquidâ€"liquid equilibria for ternary systems of dimethyl carbonate+C1â€"C4 alcohols+water at 298.15K and atmospheric pressure. Journal of Industrial and Engineering Chemistry, 2012, 18, 499-503.	2.9	36
11	Vaporâ"Liquid Equilibria andHEfor Binary Systems of Dimethyl Ether (DME) with C1â"C4Alkan-1-ols at 323.15 K and Liquidâ"Liquid Equilibria for Ternary System of DME + Methanol + Water at 313.15 K. Journal of Chemical & Engineering Data, 2007, 52, 230-234.	1.0	28
12	Isothermal Vaporâ"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. Journal of Chemical & Engineering Data, 2007, 52, 1018-1024.	1.0	28
13	Excess molar volumes and deviations of refractive indices at 298.15K for binary and ternary mixtures with pyridine or aniline or quinoline. Journal of Industrial and Engineering Chemistry, 2010, 16, 200-206.	2.9	28
14	Isothermal Phase Equilibria and Excess Molar Enthalpies for Binary Systems with Dimethyl Ether at 323.15 K. Journal of Chemical & Engineering Data, 2007, 52, 1814-1818.	1.0	27
15	Densities and Viscosities for the Ternary Systems of Methyltert-Butyl Ether + Methanol + Benzene and Methyltert-Butyl Ether + Methanol + Toluene and Their Sub-binary Systems at 298.15 K. Journal of Chemical & Engineering Data, 2006, 51, 1339-1344.	1.0	26
16	Isothermal vaporâ€"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. Fluid Phase Equilibria, 2007, 262, 161-168.	1.4	26
17	Liquidâ€"liquid equilibria of ternary mixtures of dimethyl carbonate, diphenyl carbonate, phenol and water at 358.15K. Fluid Phase Equilibria, 2011, 301, 18-21.	1.4	25
18	Binary Liquidâ"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. Journal of Chemical & Engineering Data, 2009, 54, 78-82.	1.0	23

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19	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. Journal of Chemical & Engineering Data, 2007, 52, 2503-2508.	1.0	21
20	Isothermal vaporâ€“liquid equilibrium at 333.15K and excess molar volumes and refractive indices at 298.15K for the mixtures of di-methyl carbonate, ethanol and 2,2,4-trimethylpentane. Fluid Phase Equilibria, 2009, 276, 142-149.	1.4	21
21	Liquidâ€“Liquid Equilibria for Ternary Mixtures of Methylphenyl Carbonate, Dimethyl Carbonate, Diphenyl Carbonate, Anisole, Methanol, Phenol, and Water at Several Temperatures. Journal of Chemical & Engineering Data, 2014, 59, 323-328.	1.0	21
22	Liquidâ€“liquid equilibria for ternary mixtures of methyl tert-butyl ether, ethyl tert-butyl ether, water and imidazolium-based ionic liquids at 298.15 K. Journal of Industrial and Engineering Chemistry, 2014, 20, 3292-3296.	2.9	21
23	Excess molar volumes and refractive indices at 298.15K for the binary and ternary mixtures of diisopropyl ether+ethanol+2,2,4-trimethylpentane. Journal of Industrial and Engineering Chemistry, 2008, 14, 377-381.	2.9	20
24	Binary Liquidâˆ’Liquid Equilibrium (LLE) for Dibutyl Ether (DBE) + Water from (288.15 to 318.15) K and Ternary LLE for Systems of DBE + C1 â‰¼ C4 Alcohols + Water at 298.15 K. Journal of Chemical & Engineering Data, 2008, 53, 2089-2094.	1.0	20
25	(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. Journal of Chemical & Engineering Data, 2010, 55, 1266-1270.	1.0	20
26	Solidâ€“liquid equilibria and the physical properties of binary systems of diphenyl carbonate, dimethyl carbonate, methyl phenyl carbonate, anisole, methanol and phenol. Fluid Phase Equilibria, 2014, 376, 105-110.	1.4	20
27	Vapor-liquid equilibria and excess molar properties of MTBE + methanol and + ethanol mixtures. Korean Journal of Chemical Engineering, 1995, 12, 110-114.	1.2	19
28	Vaporâ€“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. Fluid Phase Equilibria, 2003, 209, 215-228.	1.4	19
29	Measurement and Correlation of Vaporâˆ’Liquid Equilibria atT= 333.15 K and Excess Molar Volumes atT= 298.15 K for Ethanol + Dimethyl Carbonate (DMC), DMC + 1-Propanol, and DMC + 1-Butanol. Journal of Chemical & Engineering Data, 2006, 51, 1852-1855.	1.0	19
30	Solidâˆ’Liquid Equilibria, Excess Molar Volumes, and Molar Refractivity Deviations for Extractive Solvents of Molybdenum. Journal of Chemical & Engineering Data, 2010, 55, 1179-1185.	1.0	18
31	Excess Molar Volumes at 298.15 K and Isothermal Vaporâˆ’Liquid Equilibria at 333.15 K for the Binary Mixtures of Dimethyl Carbonate with Benzene, Toluene,n-Heptane, and Isooctane. Journal of Chemical & Engineering Data, 2006, 51, 1868-1872.	1.0	17
32	Isothermal vaporâ€“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. Fluid Phase Equilibria, 2009, 281, 5-11.	1.4	17
33	Isothermal Vaporâˆ’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. Journal of Chemical & Engineering Data, 2009, 54, 3051-3058.	1.0	17
34	Liquidâˆ’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. Journal of Chemical & Engineering Data, 2007, 52, 1919-1924.	1.0	16
35	Isothermal Binary and Ternary VLE for the Mixtures of Propyl Vinyl Ether + Ethanol + Isooctane at 323.15 K andVEat 293.15 K. Journal of Chemical & Engineering Data, 2007, 52, 1118-1122.	1.0	15
36	Isothermal vaporâ€“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. Fluid Phase Equilibria, 2007, 259, 146-152.	1.4	15

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37	Thermo-physical properties, excess and deviation properties for a mixture of Î³-butyrolactone with diethyl carbonate or propylene carbonate. Korean Journal of Chemical Engineering, 2018, 35, 222-233.	1.2	15
38	Volumetric, enthalpic and VLE studies of binary mixtures of isomers of butyl chloride with cyclohexane at 298.15â€¯K. Journal of Molecular Liquids, 2020, 298, 111946.	2.3	15
39	Density and viscosity studies of mixtures of oxygenate with n-alkanes (C9-C12) at (298.15, 308.15 and) Tj ETQq1 1 0.784314 rgBT /Ove Molecular Liquids, 2020, 306, 112859.	2.3	15
40	Isothermal vaporâ€“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. Fluid Phase Equilibria, 2008, 274, 73-79.	1.4	14
41	Isothermal vaporâ€“liquid equilibrium at T=333.15K and excess volumes and molar refractivity deviation at T=298.15K for the ternary mixtures {di-methyl carbonate (DMC)+ethanol+benzene} and {DMC+ethanol+toluene}. Fluid Phase Equilibria, 2011, 303, 150-156.	1.4	14
42	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. Fluid Phase Equilibria, 2013, 344, 32-37.	1.4	14
43	Liquidâ€“liquid equilibria, excess molar volume and deviations of the refractive indices at 298.15K for mixtures of solvents used in the molybdenum extraction process. Fluid Phase Equilibria, 2013, 354, 59-65.	1.4	13
44	Vaporâˆ’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. Journal of Chemical & Engineering Data, 2005, 50, 1564-1569.	1.0	12
45	Liquidâ€“liquid equilibrium for binary and ternary systems containing di-isopropyl ether (DIPE) and an imidazolium-based ionic liquid at different temperatures. Fluid Phase Equilibria, 2010, 299, 294-299.	1.4	12
46	Liquidâ€“liquid equilibria at 298.15K for ternary mixtures of methyl tert-butyl ether+methanol (or) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 82-87.	1.4	12
47	Vaporâ€“liquid equilibrium, densities and viscosities for the binary system exo- and endo-tetrahydrodicyclopentadiene and pure component vapor pressures. Fluid Phase Equilibria, 2006, 249, 187-191.	1.4	11
48	Binary LLE for Propyl Vinyl Ether (PVE) + Water, Ternary LLE for PVE + Methanol or Ethanol + Water at 298.15 K, and V^E and Î”R at 293.15 K for the Mixture of PVE + Ethanol + 2,2,4-Trimethylpentane. Journal of Chemical & Engineering Data, 2007, 52, 2395-2399.	1.0	11
49	Density, refractive index, excess molar volumes and deviations in molar refraction at 298.15â€‰K for binary and ternary mixtures of DIPE (OR TAME)â€‰+â€‰1â€methanol (or) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 262 Td (1â€ of Chemical Engineering, 2012, 90, 396-402.	0.9	11
50	Hydrothermal Desorption of Cs with Oxalic Acid from Hydrobiotite and Wastewater Treatment by Chemical Precipitation. Energies, 2020, 13, 3284.	1.6	11
51	Isothermal vaporâ€“liquid equilibria and excess molar volumes for the ternary mixtures containing 2-methyl pyrazine. Fluid Phase Equilibria, 2002, 193, 109-121.	1.4	10
52	SLE and LLE for tri-butylphosphate or tri-octylamine contained systems; extractive solvents of Molybdenum. Fluid Phase Equilibria, 2010, 295, 172-176.	1.4	10
53	Liquidâˆ’Liquid Equilibrium, Solidâˆ’Liquid Equilibrium, Densities, and Refractivity of a Water, Chloroform, and Acetylacetone Mixture. Journal of Chemical & Engineering Data, 2011, 56, 1798-1803.	1.0	10
54	Liquidâ€“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 298.15K. Fluid Phase Equilibria, 2013, 343, 36-42.	1.4	10

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55	Volumetric, acoustic and optical studies of ternary mixture of diisopropyl ether, n-heptane and n-octane. Journal of Molecular Liquids, 2020, 306, 112605.	2.3	10
56	Fractionation of Aromatic Heavy Oil by Dynamic Supercritical Fluid Extraction. Industrial & Engineering Chemistry Research, 2000, 39, 4897-4900.	1.8	9
57	Excess molar enthalpies for the binary and ternary mixtures of ether compounds (di-isopropyl ether,) Tj ETQq1 1 0.784314 rgBT /Overlock Engineering, 2008, 25, 1160-1164.	1.2	9
58	Liquidâ€“liquid equilibria in the ternary systems {hexadecane+BTX aromatics+2-methoxyethanol or acetonitrile} at 298.15K. Fluid Phase Equilibria, 2015, 389, 9-15.	1.4	9
59	The selectivity of imidazolium-based ionic liquids with different anions to BTX aromatics in hexane at 298.15 K and atmospheric pressure. Korean Journal of Chemical Engineering, 2016, 33, 2982-2989.	1.2	9
60	Density, refractive index and kinematic viscosity of MIPK, MEK and phosphonium-based ionic liquids and the excess and deviation properties of their binary systems. Korean Journal of Chemical Engineering, 2017, 34, 214-224.	1.2	9
61	Cs desorption behavior during hydrothermal treatment of illite with oxalic acid. Environmental Science and Pollution Research, 2020, 27, 35580-35590.	2.7	9
62	Binary Liquidâ^'Liquid Equilibrium (LLE) for Methyl tert-Amyl Ether (TAME) + Water from (288.15) Tj ETQq0 0 0 rgBT /Overlock 10 298.15 K. Journal of Chemical & Engineering Data, 2008, 53, 2878-2883.	1.0	8
63	The liquidâ€“liquid equilibria for low pH aqueous acid solution+tri-octylamine (or) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 427 Td refractive indices. Fluid Phase Equilibria, 2012, 314, 7-12.	1.4	8
64	The solidâ€“liquid equilibrium, excess molar volume and refractive deviation properties of binary systems containing dimethyl carbonate, anisole and phenol. Fluid Phase Equilibria, 2014, 383, 21-26.	1.4	8
65	Solidâ€“Liquid Equilibria, Excess Molar Volumes, and Deviations in the Molar Refractivity for the Binary Systems of Alamine 304-1 + Decane, Dodecane, or Dodecanol. Journal of Chemical & Engineering Data, 2014, 59, 289-294.	1.0	8
66	Colorimetric Method for Detection of Hydrazine Decomposition in Chemical Decontamination Process. Energies, 2019, 12, 3967.	1.6	8
67	Measurement and modelling of solid-liquid equilibria, density and viscosity of fatty acid methyl or ethyl esters. Journal of Molecular Liquids, 2020, 314, 113628.	2.3	8
68	Ternary liquidâ€“liquid equilibria and binary excess and deviation properties at constant temperature for mixtures of dimethyl carbonate, anisole, methanol, phenol and water. Fluid Phase Equilibria, 2014, 378, 93-101.	1.4	7
69	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. Fluid Phase Equilibria, 2017, 436, 47-54.	1.4	7
70	Liquidâ€“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. Journal of Chemical & Engineering Data, 2008, 53, 475-480.	1.0	6
71	Binary and Ternary Vaporâ^'Liquid Equilibrium at 323.15 K and Excess Molar Volumes at 298.15 K for the Mixtures of Propyl Vinyl Ether + 1-Propanol + Toluene. Journal of Chemical & Engineering Data, 2009, 54, 1041-1045.	1.0	6
72	Isothermal Vaporâ^'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. Journal of Chemical & Engineering Data, 2010, 55, 864-870.	1.0	6

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73	Vaporâ€“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. Fluid Phase Equilibria, 2011, 309, 145-145.	1.4	6
74	Solidâ€“liquid equilibrium and mixture properties for the binary systems of Alamine 336 with decane, dodecane, and 1-dodecanol. Fluid Phase Equilibria, 2014, 361, 130-134.	1.4	6
75	Isothermal vaporâ€“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. Fluid Phase Equilibria, 2008, 270, 103-108.	1.4	5
76	Solidâ€“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. Fluid Phase Equilibria, 2012, 324, 44-49.	1.4	5
77	Measurement and modeling of transport properties of binary liquid mixtures containing oxygenates and n-alkanes. Korean Journal of Chemical Engineering, 2019, 36, 1922-1931.	1.2	5
78	Measurement and correlation of thermodynamic properties of ternary mixtures of oxygenated fuel. Korean Journal of Chemical Engineering, 2020, 37, 1181-1194.	1.2	5
79	Excess molar volumes at the 308.15 K for constituent binaries of n-decane, n-dodecane, 1-decanol and 1-dodecanol. Korean Journal of Chemical Engineering, 1995, 12, 152-155.	1.2	4
80	Isobaric vaporâ€“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. Fluid Phase Equilibria, 2013, 360, 260-264.	1.4	4
81	Tracking the distribution of organic compounds using fugacity model. Korean Journal of Chemical Engineering, 2000, 17, 12-16.	1.2	2
82	Liquidâ€“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. Fluid Phase Equilibria, 2013, 358, 1-6.	1.4	2
83	Solid-liquid phase equilibria, excess molar volume, and molar refraction deviation for the mixtures of ethanoic acid with propanoic, butanoic, and pentanoic acid. Korean Journal of Chemical Engineering, 2018, 35, 1710-1715.	1.2	2
84	Pattern formation using polystyrene benzaldimine selfâ€assembled monolayer by soft Xâ€ray. Surface and Interface Analysis, 2019, 51, 408-412.	0.8	2
85	Excess molar volumes for titanium butoxide contained binary and ternary systems at 298.15K. Journal of Industrial and Engineering Chemistry, 2008, 14, 243-246.	2.9	1
86	Numerical analysis of flow distribution for combined weapon system in environmental tester. Journal of Mechanical Science and Technology, 2012, 26, 3339-3345.	0.7	1
87	Homeotropic alignment of liquid crystals on ITO surface using LBL assembly. Journal of the Society for Information Display, 2018, 26, 413-418.	0.8	1
88	Solid-liquid equilibria and thermo-physical properties of liquid electrolyte systems for lithium ion batteries. Fluid Phase Equilibria, 2018, 473, 138-144.	1.4	1
89	Solid-liquid phase equilibria, excess volume and molar refraction deviation for carbonate ester systems with Î³-Butyrolactone (GBL). Journal of Molecular Liquids, 2020, 314, 113627.	2.3	1
90	Solubility of Organic Systems Containing 1,4-Dioxan-2-one. Journal of Chemical & Engineering Data, 2006, 51, 1182-1184.	1.0	0

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91	Determination and correlation of phase behavior and physical properties for benign synthetic process of diphenylcarbonate. , 2013, , .		0
92	Solid-liquid equilibrium and kinematic viscosity of binary mixture of fatty acid alkyl esters. Korean Journal of Chemical Engineering, 2021, 38, 1006-1013.	1.2	0