

Arturo Trejo

List of Publications by Year in descending order

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59
papers

1,421
citations

304602

22
h-index

360920

35
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59
all docs

59
docs citations

59
times ranked

1216
citing authors

#	ARTICLE	IF	CITATIONS
1	CO ₂ -supercritical extraction, hydrodistillation and steam distillation of essential oil of rosemary () Tj ETQq1 1 0.784314 rgBT /Overlook	2.7	134
2	Aromatics Extraction in Hydrocarbon Mixtures. Environmental Science and Engineering, 2014, , 461-473.	0.1	0
3	Equilibrium solubility of H ₂ S in aqueous solutions of 1-amino-2-propanol as function of concentration, temperature, and pressure. Journal of Chemical Thermodynamics, 2012, 50, 43-49.	1.0	10
4	Volumetric and Surface Tension Behavior of Aqueous Solutions of Polyvinylpyrrolidone in the Range (288 to 303) K. Journal of Chemical & Engineering Data, 2011, 56, 2371-2378.	1.0	23
5	Equilibrium solubility of CO ₂ in aqueous solutions of 1-amino-2-propanol as function of concentration, temperature, and pressure. Journal of Chemical Thermodynamics, 2011, 43, 690-695.	1.0	20
6	Temperature and sodium chloride effects on the solubility of anthracene in water. Journal of Chemical Thermodynamics, 2010, 42, 1386-1392.	1.0	13
7	Physicochemical behaviour of partially miscible multicomponent systems with AOT: Liquid-liquid phase diagrams, density of conjugate phases, and interfacial tension. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 368, 64-74.	2.3	5
8	Remediation of Soils Contaminated with Total Petroleum Hydrocarbons and Polycyclic Aromatic Hydrocarbons: Extraction with Supercritical Ethane. Industrial & Engineering Chemistry Research, 2010, 49, 3342-3348.	1.8	15
9	Interfacial Tension and Density of Water + Branched Hydrocarbon Binary Systems in the Range 303~343 K. Industrial & Engineering Chemistry Research, 2009, 48, 1476-1483.	1.8	25
10	Viscometric and volumetric behaviour of binary mixtures of sulfolane and N-methylpyrrolidone with monoethanolamine and diethanolamine in the range 303~373K. Fluid Phase Equilibria, 2008, 267, 172-180.	1.4	65
11	Corrosion in Aqueous Solution of Two Alkanolamines with CO ₂ and H ₂ S: N-Methyldiethanolamine + Diethanolamine at 393 K. Industrial & Engineering Chemistry Research, 2008, 47, 4726-4735.	1.8	18
12	EXTRACTION OF POLYCYCLIC AROMATIC HYDROCARBONS FROM SOIL USING WATER UNDER SUBCRITICAL CONDITIONS. Polycyclic Aromatic Compounds, 2007, 27, 239-260.	1.4	24
13	Extraction of Hydrocarbons from Crude Oil Tank Bottom Sludges using Supercritical Ethane. Separation Science and Technology, 2007, 42, 2327-2345.	1.3	42
14	Surface tension and foam behaviour of aqueous solutions of blends of three alkanolamines, as a function of temperature. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 308, 33-46.	2.3	35
15	Liquid-liquid phase behaviour, liquid-liquid density, and interfacial tension of multicomponent systems at 298K. Fluid Phase Equilibria, 2007, 255, 147-159.	1.4	12
16	Density and Viscosity of Aqueous Blends of Three Alkanolamines: N-Methyldiethanolamine, Diethanolamine, and 2-Amino-2-methyl-1-propanol in the Range of (303 to 343) K. Journal of Chemical & Engineering Data, 2006, 51, 702-707.	1.0	57
17	Liquid-Liquid Coexistence Curves for Binary Systems: Methanol + Cyclohexane and + Several Isomers of Hexane. Journal of Chemical & Engineering Data, 2006, 51, 1070-1075.	1.0	12
18	Prediction of the surface tension, surface concentration, and the relative Gibbs adsorption isotherm of binary liquid systems. Fluid Phase Equilibria, 2006, 246, 119-130.	1.4	33

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19	DEGRADATION OF AQUEOUS SOLUTIONS OF ALKANOLAMINE BLENDS AT HIGH TEMPERATURE, UNDER THE PRESENCE OF CO ₂ AND H ₂ S. <i>Chemical Engineering Communications</i> , 2006, 193, 129-138.	1.5	43
20	Vapor-liquid equilibrium of methane and methane+nitrogen and an equimolar hexane+decane mixture under isothermal conditions. <i>Fluid Phase Equilibria</i> , 2005, 238, 95-105.	1.4	9
21	Liquid-liquid equilibria for pseudoternary systems: isooctane-benzene-(methanol+water). <i>Fluid Phase Equilibria</i> , 2005, 230, 121-130.	1.4	17
22	Gas solubility of CO ₂ in aqueous solutions of N-methyldiethanolamine and diethanolamine with 2-amino-2-methyl-1-propanol. <i>Fluid Phase Equilibria</i> , 2004, 218, 261-267.	1.4	50
23	Gas solubility of H ₂ S in aqueous solutions of N-methyldiethanolamine and diethanolamine with 2-amino-2-methyl-1-propanol at 313, 343, and 393K in the range 2.5-1036kPa. <i>Fluid Phase Equilibria</i> , 2004, 224, 83-88.	1.4	37
24	Vapor-liquid equilibrium of nitrogen in an equimolar hexane + decane mixture at temperatures of 258, 273, and 298 K and pressures to 20 MPa. <i>Fluid Phase Equilibria</i> , 2004, 220, 137-145.	1.4	10
25	Temperature dependence of the infinite dilution activity coefficient and Henry's law constant of polycyclic aromatic hydrocarbons in water. <i>Chemosphere</i> , 2004, 56, 537-547.	4.2	26
26	Determination of the temperature dependence of water solubilities of polycyclic aromatic hydrocarbons by a generator column-on-line solid-phase extraction-liquid chromatographic method. <i>Chemosphere</i> , 2002, 47, 933-945.	4.2	35
27	Liquid Density of Aqueous Blended Alkanolamines and N-Methylpyrrolidone as a Function of Concentration and Temperature. <i>Journal of Chemical & Engineering Data</i> , 2001, 46, 861-867.	1.0	41
28	Solubility of n-octadecane in supercritical carbon dioxide at 310, 313, 333, and 353 K, in the range 10-20 MPa. <i>Fluid Phase Equilibria</i> , 2001, 185, 231-239.	1.4	48
29	Surface tension of isomers of pure hydrocarbons: a method for estimation and prediction. <i>Fluid Phase Equilibria</i> , 2000, 171, 1-10.	1.4	9
30	Generator Column Determination of Water Solubilities for Saturated C ₆ to C ₈ Hydrocarbons. <i>International Journal of Environmental Analytical Chemistry</i> , 1999, 73, 281-295.	1.8	6
31	Experimental liquid-liquid phase equilibria for binary systems: ethanenitrile with several hydrocarbon isomers. <i>Fluid Phase Equilibria</i> , 1998, 149, 177-189.	1.4	3
32	Solubility of CO ₂ in aqueous mixtures of diethanolamine with methyldiethanolamine and 2-amino-2-methyl-1-propanol. <i>Fluid Phase Equilibria</i> , 1998, 150-151, 721-729.	1.4	45
33	Experimental liquid-liquid miscibility curves for binary systems: ethanenitrile and butanenitrile with n-alkanes. <i>Fluid Phase Equilibria</i> , 1995, 107, 201-212.	1.4	16
34	Gas solubility of hydrogen sulfide and carbon dioxide in mixtures of sulfolane with diethanolamine at different temperatures. <i>Fluid Phase Equilibria</i> , 1994, 95, 163-174.	1.4	24
35	Thermodynamics of liquid binary (alkanenitrile-alkane) mixtures. Part 1. Experimental excess molar volume at 298.15 K and its interpretation with the Prigogine-Flory-Patterson theory. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1994, 90, 113-120.	1.7	16
36	Thermodynamics of liquid binary (alkanenitrile-alkane) mixtures. Part 2. Experimental excess molar heat capacity at 298.15 K and structure in solution. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1994, 90, 2913-2919.	1.7	3

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37	Gas solubility of carbon dioxide and hydrogen sulfide in mixtures of sulfolane with monoethanolamine. <i>Fluid Phase Equilibria</i> , 1993, 86, 225-231.	1.4	29
38	Liquid-liquid miscibility curves for binary systems: N-methylpyrrolidone with several hydrocarbon isomers. <i>Fluid Phase Equilibria</i> , 1993, 91, 187-201.	1.4	15
39	Henry's law constant for propane and butane in solutions of n-methylpyrrolidone with alkanolamines. <i>Fluid Phase Equilibria</i> , 1993, 82, 191-197.	1.4	1
40	Solubility of carbon dioxide in binary mixtures of N-methylpyrrolidone with alkanolamines. <i>Journal of Chemical & Engineering Data</i> , 1992, 37, 4-7.	1.0	30
41	Solubility of hydrogen sulfide in mixtures of N-methylpyrrolidone with alkanolamines. <i>Fluid Phase Equilibria</i> , 1992, 73, 167-174.	1.4	22
42	Liquid-liquid miscibility for binary systems: N-methylpyrrolidone + n-alkane and propanenitrile + n-alkane. <i>Fluid Phase Equilibria</i> , 1991, 68, 187-195.	1.4	20
43	Critical loci for binary chloroalkane-n-alkane mixtures. III. 1,1-Dichloroethane with C ₃ –C ₉ n-alkanes. <i>Fluid Phase Equilibria</i> , 1991, 62, 87-95.	1.4	5
44	Liquid-liquid equilibria for ternary systems. I. C ₆ -isomers + sulfolane + toluene at 298.15 K. <i>Fluid Phase Equilibria</i> , 1991, 64, 291-303.	1.4	25
45	Gas-liquid pressure-temperature-composition critical loci for n-butanenitrile with C ₅ to C ₁₁ n-alkanes. <i>Fluid Phase Equilibria</i> , 1990, 61, 99-110.	1.4	7
46	Gas solubilities of carbon dioxide and hydrogen sulfide in sulfolane and its mixtures with alkanolamines. <i>Fluid Phase Equilibria</i> , 1989, 53, 1-6.	1.4	20
47	Gas-liquid pressure-temperature-composition critical loci for propanenitrile with C ₅ -C ₁₁ n-alkanes. <i>Fluid Phase Equilibria</i> , 1989, 47, 265-271.	1.4	6
48	Vapour pressure, critical temperature, and critical pressure of dichloromethane. <i>Journal of Chemical Thermodynamics</i> , 1989, 21, 823-826.	1.0	10
49	Solubilities of carbon dioxide and hydrogen sulfide in propylene carbonate, N-methylpyrrolidone and sulfolane. <i>Fluid Phase Equilibria</i> , 1988, 44, 105-115.	1.4	121
50	Liquid-liquid coexistence curves for binary systems. <i>Fluid Phase Equilibria</i> , 1988, 40, 279-288.	1.4	34
51	Excess heat capacities and excess volumes of n-alkane mixtures. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1988, 84, 4073.	1.0	10
52	Thermal-pressure coefficients of some n-alkanenitriles. <i>Journal of Chemical Thermodynamics</i> , 1987, 19, 561-564.	1.0	3
53	The critical temperatures and pressures of several n-alkanenitriles. <i>Journal of Chemical Thermodynamics</i> , 1987, 19, 671-672.	1.0	8
54	Vapour pressure and critical constants of 1,1-dichloroethane. <i>Journal of Chemical Thermodynamics</i> , 1987, 19, 359-361.	1.0	7

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55	Solubility of propane and butane in mixtures of n-alkanes. Fluid Phase Equilibria, 1987, 34, 69-81.	1.4	15
56	Critical loci for binary chloroalkane-n-alkane mixtures. II. Dichloromethane with C3-C9 n-alkanes. Fluid Phase Equilibria, 1986, 28, 191-197.	1.4	9
57	Volumes of mixing of n-alkanenitriles with n-alkanes: Interpretation through the Prigogine-Flory-Patterson theory. Journal of Solution Chemistry, 1986, 15, 791-801.	0.6	16
58	Critical Loci for binary chloroalkane-n-alkane mixtures. I. 1,2-dichloroethane with C3-C9 n-alkanes. Fluid Phase Equilibria, 1985, 24, 269-277.	1.4	14
59	Vapour pressure and critical constants of 1,2-dichloroethane. Journal of Chemical Thermodynamics, 1985, 17, 981-983.	1.0	13