

Arturo Trejo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1166196/publications.pdf>

Version: 2024-02-01

59
papers

1,421
citations

304602

22
h-index

360920

35
g-index

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	Solubilities of carbon dioxide and hydrogen sulfide in propylene carbonate, N-methylpyrrolidone and sulfolane. Fluid Phase Equilibria, 1988, 44, 105-115.	1.4	121
3	Viscometric and volumetric behaviour of binary mixtures of sulfolane and N-methylpyrrolidone with monoethanolamine and diethanolamine in the range 303â€“373K. Fluid Phase Equilibria, 2008, 267, 172-180.	1.4	65
4	Density and Viscosity of Aqueous Blends of Three Alkanolamines:â€“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
5	Gas solubility of CO ₂ in aqueous solutions of N-methyldiethanolamine and diethanolamine with 2-amino-2-methyl-1-propanol. Fluid Phase Equilibria, 2004, 218, 261-267.	1.4	50
6	Solubility of n-octadecane in supercritical carbon dioxide at 310, 313, 333, and 353 K, in the range 10â€“20 MPa. Fluid Phase Equilibria, 2001, 185, 231-239.	1.4	48
7	Solubility of CO ₂ in aqueous mixtures of diethanolamine with methyldiethanolamine and 2-amino-2-methyl-1-propanol. Fluid Phase Equilibria, 1998, 150-151, 721-729.	1.4	45
8	DEGRADATION OF AQUEOUS SOLUTIONS OF ALKANOLAMINE BLENDS AT HIGH TEMPERATURE, UNDER THE PRESENCE OF CO ₂ AND H ₂ S. Chemical Engineering Communications, 2006, 193, 129-138.	1.5	43
9	Extraction of Hydrocarbons from Crude Oil Tank Bottom Sludges using Supercritical Ethane. Separation Science and Technology, 2007, 42, 2327-2345.	1.3	42
10	Liquid Density of Aqueous Blended Alkanolamines andN-Methylpyrrolidone as a Function of Concentration and Temperature. Journal of Chemical & Engineering Data, 2001, 46, 861-867.	1.0	41
11	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 2.5â€“1036kPa. Fluid Phase Equilibria, 2004, 224, 83-88.	1.4	37
12	Determination of the temperature dependence of water solubilities of polycyclic aromatic hydrocarbons by a generator column-on-line solid-phase extraction-liquid chromatographic method. Chemosphere, 2002, 47, 933-945.	4.2	35
13	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
14	Liquidâ€“liquid coexistence curves for binary systems. Fluid Phase Equilibria, 1988, 40, 279-288.	1.4	34
15	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
16	Solubility of carbon dioxide in binary mixtures of N-methylpyrrolidone with alkanolamines. Journal of Chemical & Engineering Data, 1992, 37, 4-7.	1.0	30
17	Gas solubility of carbon dioxide and hydrogen sulfide in mixtures of sulfolane with monoethanolamine. Fluid Phase Equilibria, 1993, 86, 225-231.	1.4	29
18	Temperature dependence of the infinite dilution activity coefficient and Henry's law constant of polycyclic aromatic hydrocarbons in water. Chemosphere, 2004, 56, 537-547.	4.2	26

#	ARTICLE	IF	CITATIONS
19	Liquid-liquid equilibria for ternary systems. I. C ₆ -isomers + sulfolane + toluene at 298.15 K. Fluid Phase Equilibria, 1991, 64, 291-303.	1.4	25
20	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
21	Gas solubility of hydrogen sulfide and carbon dioxide in mixtures of sulfolane with diethanolamine at different temperatures. Fluid Phase Equilibria, 1994, 95, 163-174.	1.4	24
22	EXTRACTION OF POLYCYCLIC AROMATIC HYDROCARBONS FROM SOIL USING WATER UNDER SUBCRITICAL CONDITIONS. Polycyclic Aromatic Compounds, 2007, 27, 239-260.	1.4	24
23	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
24	Solubility of hydrogen sulfide in mixtures of N-methylpyrrolidone with alkanolamines. Fluid Phase Equilibria, 1992, 73, 167-174.	1.4	22
25	Gas solubilities of carbon dioxide and hydrogen sulfide in sulfolane and its mixtures with alkanolamines.. Fluid Phase Equilibria, 1989, 53, 1-6.	1.4	20
26	Liquid-liquid miscibility for binary systems: N-methylpyrrolidone + n-alkane and propanenitrile + n-alkane. Fluid Phase Equilibria, 1991, 68, 187-195.	1.4	20
27	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
28	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
29	Liquid-liquid equilibria for pseudoternary systems: isooctane-benzene-(methanol+water). Fluid Phase Equilibria, 2005, 230, 121-130.	1.4	17
30	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
31	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. Journal of the Chemical Society, Faraday Transactions, 1994, 90, 113-120.	1.7	16
32	Experimental liquid-liquid miscibility curves for binary systems: ethanenitrile and butanenitrile with n-alkanes. Fluid Phase Equilibria, 1995, 107, 201-212.	1.4	16
33	Solubility of propane and butane in mixtures of n-alkanes. Fluid Phase Equilibria, 1987, 34, 69-81.	1.4	15
34	Liquid-liquid miscibility curves for binary systems: N-methylpyrrolidone with several hydrocarbon isomers. Fluid Phase Equilibria, 1993, 91, 187-201.	1.4	15
35	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
36	Critical Loci for binary chloroalkane-n-alkane mixtures. I. 1,2-dichloroethane with C ₃ -C ₉ n-alkanes. Fluid Phase Equilibria, 1985, 24, 269-277.	1.4	14

#	ARTICLE	IF	CITATIONS
37	Vapour pressure and critical constants of 1,2-dichloroethane. Journal of Chemical Thermodynamics, 1985, 17, 981-983.	1.0	13
38	Temperature and sodium chloride effects on the solubility of anthracene in water. Journal of Chemical Thermodynamics, 2010, 42, 1386-1392.	1.0	13
39	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
40	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
41	Excess heat capacities and excess volumes of n-alkane mixtures. Journal of the Chemical Society Faraday Transactions I, 1988, 84, 4073.	1.0	10
42	Vapour pressure, critical temperature, and critical pressure of dichloromethane. Journal of Chemical Thermodynamics, 1989, 21, 823-826.	1.0	10
43	Vapor~liquid equilibrium of nitrogen in an equimolar hexane + decane mixture at temperatures of 258, 273, and 298 K and pressures to 20 MPa. Fluid Phase Equilibria, 2004, 220, 137-145.	1.4	10
44	Equilibrium solubility of H2S 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
45	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
46	Surface tension of isomers of pure hydrocarbons: a method for estimation and prediction. Fluid Phase Equilibria, 2000, 171, 1-10.	1.4	9
47	Vapor~liquid equilibrium of methane and methane+nitrogen and an equimolar hexane+decane mixture under isothermal conditions. Fluid Phase Equilibria, 2005, 238, 95-105.	1.4	9
48	The critical temperatures and pressures of several n-alkanenitriles. Journal of Chemical Thermodynamics, 1987, 19, 671-672.	1.0	8
49	Vapour pressure and critical constants of 1,1-dichloroethane. Journal of Chemical Thermodynamics, 1987, 19, 359-361.	1.0	7
50	Gas~liquid pressure~temperature~composition critical loci for n-butanenitrile with C5 to C11 n-alkanes. Fluid Phase Equilibria, 1990, 61, 99-110.	1.4	7
51	Gas~liquid pressure~temperature~composition critical loci for propanenitrile with C5-C11 n-alkanes. Fluid Phase Equilibria, 1989, 47, 265-271.	1.4	6
52	Generator Column Determination of Water Solubilities for Saturated C6to C8Hydrocarbons. International Journal of Environmental Analytical Chemistry, 1999, 73, 281-295.	1.8	6
53	Critical loci for binary chloroalkane-n-alkane mixtures. III. 1,1-Dichloroethane with C3~C9 n-alkanes. Fluid Phase Equilibria, 1991, 62, 87-95.	1.4	5
54	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

#	ARTICLE	IF	CITATIONS
55	Thermal-pressure coefficients of some n-alkanenitriles. Journal of Chemical Thermodynamics, 1987, 19, 561-564.	1.0	3
56	Thermodynamics of liquid binary (alkanenitrile-alkane) mixtures. Part 2. Experimental excess molar heat capacity at 298.15 K and structure in solution. Journal of the Chemical Society, Faraday Transactions, 1994, 90, 2913-2919.	1.7	3
57	Experimental liquid-liquid phase equilibria for binary systems: ethanenitrile with several hydrocarbon isomers. Fluid Phase Equilibria, 1998, 149, 177-189.	1.4	3
58	Henry's law constant for propane and butane in solutions of n-methylpyrrolidone with alkanolamines. Fluid Phase Equilibria, 1993, 82, 191-197.	1.4	1
59	Aromatics Extraction in Hydrocarbon Mixtures. Environmental Science and Engineering, 2014, , 461-473.	0.1	0