Alfredo Amigo

List of Publications by Year
in descending order

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71 papers	2,547 citations	159358 30 h-index	205818 48 g-index
73 all docs	73 docs citations	73 times ranked	1280 citing authors

#	Article	IF	Citations
1	Unsupervised bubble calorimetry analysis: Surface tension from isothermal titration calorimetry. Journal of Colloid and Interface Science, 2022, 606, 1823-1832.	5.0	3
2	A New Type of Supramolecular Fluid Based on H₂Oâ€“Alkylammonium/Phosphonium Solutions. Angewandte Chemie - International Edition, 2021, 60, 7540-7546.	7.2	3
3	A New Type of Supramolecular Fluid Based on H 2 Oâ€“Alkylammonium/Phosphonium Solutions. Angewandte Chemie, 2021, 133, 7618-7624.	1.6	0
4	Titelbild: A New Type of Supramolecular Fluid Based on H₂Oâ€“Alkylammonium/Phosphonium Solutions (Angew. Chem. 14/2021). Angewandte Chemie, 2021, 133, 7525-7525.	1.6	1
5	Heat capacity, density, surface tension, and contact angle for polyalphaolefins and ester lubricants. Thermochimica Acta, 2021, 703, 178994.	1.2	11
6	Hydrophobic solvation increases thermal conductivity of water. Physical Chemistry Chemical Physics, 2020, 22, 21094-21098.	1.3	3
7	The contact angle of nanofluids as thermophysical property. Journal of Colloid and Interface Science, 2019, 547, 393-406.	5.0	44
8	Thermophysical properties of polyalphaolefin oil modified with nanoadditives. Journal of Chemical Thermodynamics, 2019, 131, 192-205.	1.0	27
9	Effect of ZrO2 nanoparticles on thermophysical and rheological properties of three synthetic oils. Journal of Molecular Liquids, 2018, 262, 126-138.	2.3	24
10	Thermophysical and tribological properties of dispersions based on graphene and a trimethylolpropane trioleate oil. Journal of Molecular Liquids, 2018, 268, 854-866.	2.3	33
11	Boosting the use of thermoacoustimetry in micellization thermodynamics studies by easing an objective determination of the cmc. Fluid Phase Equilibria, 2018, 478, 1-13.	1.4	3
12	Refractive index measurement of imidazolium based ionic liquids in the Vis-NIR. Optical Materials, 2017, 73, 647-657.	1.7	28
13	Volumetric Behavior of Some Motor and Gear-Boxes Oils at High Pressure: Compressibility Estimation at EHL Conditions. Industrial & Engineering Chemistry Research, 2017, 56, 10877-10885.	1.8	4
14	STAND: Surface Tension for Aggregation Number Determination. Langmuir, 2016, 32, 3917-3925.	1.6	19
15	Squeezing experimental measurements for a proper analysis of surfactant thermodynamics: Octyl-Î²-d-glucopyranoside as a case study. Fluid Phase Equilibria, 2014, 376, 31-39.	1.4	11
16	Surface tensions, densities, and speeds of sound for aqueous solutions of lauryl ether ethoxylates. Fluid Phase Equilibria, 2013, 356, 193-200.	1.4	16
17	Activity coefficients from Gibbs adsorption equation. Fluid Phase Equilibria, 2012, 330, 17-23.	1.4	13
18	Densities, Refractive Indices, Speeds of Sound, and Surface Tensions for Dilute Aqueous Solutions of 2-Methyl-1-propanol, Cyclopentanone, Cyclohexanone, Cyclohexanol, and Ethyl Acetoacetate at 298.15 K. Journal of Chemical & Engineering Data, 2011, 56, 3823-3829.	1.0	60

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19	Surface Tension Data of Aqueous Binary Mixtures of Methyl, Ethyl, Propyl, and Butyl Acetates at 298.15 K. Journal of Chemical & Engineering Data, 2010, 55, 2905-2908.	1.0	28
20	Dynamic surface tension, critical micelle concentration, and activity coefficients of aqueous solutions of nonyl phenol ethoxylates. Fluid Phase Equilibria, 2009, 282, 14-19.	1.4	43
21	A small molecular size system giving unexpected surface effects: Î±-Cyclodextrin + sodium dodecyl sulfate in water. Journal of Colloid and Interface Science, 2008, 328, 391-395.	5.0	15
22	Cyclodextrin-Based Self-Assembled Nanotubes at the Water/Air Interface. Journal of Physical Chemistry B, 2007, 111, 12625-12630.	1.2	40
23	On the Characterization of Hostâ˜'Guest Complexes:Â Surface Tension, Calorimetry, and Molecular Dynamics of Cyclodextrins with a Non-ionic Surfactant. Journal of Physical Chemistry B, 2007, 111, 4383-4392.	1.2	104
24	A proposal for the estimation of binary mixture activity coefficients from surface tension measurements throughout the entire concentration range. Fluid Phase Equilibria, 2007, 260, 343-353.	1.4	23
25	Thermodynamics of mixtures involving some (benzene derivatives+benzonitrile). Journal of Chemical Thermodynamics, 2007, 39, 561-567.	1.0	16
26	Refractive Index, Surface Tension, and Density of Aqueous Mixtures of Carboxylic Acids at 298.15 K. Journal of Chemical & Engineering Data, 2006, 51, 1356-1360.	1.0	97
27	Activity coefficients at infinite dilution for surfactants. Fluid Phase Equilibria, 2006, 250, 158-164.	1.4	28
28	Application of the Extended Langmuir model to surface tension data of binary liquid mixtures. Fluid Phase Equilibria, 2005, 237, 140-151.	1.4	31
29	The standard Gibbs energy of adsorption from the bulk at the surface of liquid mixtures: reinterpretation of Traube's rule. Fluid Phase Equilibria, 2004, 225, 115-123.	1.4	2
30	Surface tension and density of mixtures of 1,3-dioxolane+alkanols atÂ298.15ÂK: analysis under the extended Langmuir model. Journal of Colloid and Interface Science, 2004, 272, 438-443.	5.0	67
31	Thermodynamics of Mixtures Involving Some Linear or Cyclic Ketones and Cyclic Ethers. 4. Systems Containing 1,3-Dioxolane. Journal of Chemical & Engineering Data, 2004, 49, 647-657.	1.0	18
32	The standard Gibbs energy of adsorption from the bulk at the surface of liquid mixtures: reinterpretation of Traube's ruleAnalysis of the Î"adsG0 contributions under the Extended Langmuir model. Fluid Phase Equilibria, 2004, 225, 115-123.	1.4	3
33	Refractive indices, molar volumes and molar refractions of binary liquid mixtures: concepts and correlationsElectronic supplementary information (ESI) available: Table of data (S1) and figures (S1â€"S5). See http://www.rsc.org/suppdata/cp/b2/b208765k/Presented in part at the 17th IUPAC Conference on Chemical Thermodynamics, July 2002, Rostok, Germany.. Physical Chemistry Chemical Physics, 2003, 5, 550-557.	1.3	279
34	Thermodynamics of Mixtures Involving Some Linear or Cyclic Ketones and Cyclic Ethers. 3. Systems Containing 1,4-Dioxane. Journal of Chemical & Engineering Data, 2003, 48, 1055-1061.	1.0	10
35	Thermodynamics of Mixtures Involving Some Linear or Cyclic Ketones and Cyclic Ethers. 2. Systems Containing Tetrahydropyran. Journal of Chemical & Engineering Data, 2003, 48, 712-719.	1.0	24
36	Thermodynamics of Mixtures Involving Some Linear or Cyclic Ketones and Cyclic Ethers. 1. Systems Containing Tetrahydrofuran. Journal of Chemical & Engineering Data, 2002, 47, 351-358.	1.0	44

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37	Activity Coefficients at Infinite Dilution from Surface Tension Data. Langmuir, 2002, 18, 3604-3608.	1.6	42
38	Thermodynamic Analysis of Surface Formation of {1,4-Dioxane + 1-Alkanol} Mixtures. Journal of Colloid and Interface Science, 2002, 253, 203-210.	5.0	30
39	Title is missing!. Journal of Solution Chemistry, 2002, 31, 369-380.	0.6	72
40	Extended Langmuir Isotherm for Binary Liquid Mixtures. Langmuir, 2001, 17, 4261-4266.	1.6	68
41	Refractive Indices and Surface Tensions of Binary Mixtures of 1,4-Dioxane + 1-Alkanols at 298.15 K. Journal of Chemical & Engineering Data, 2001, 46, 692-695.	1.0	51
42	A comprehensive approach to the surface tension of binary liquid mixtures. Fluid Phase Equilibria, 2001, 182, 337-352.	1.4	46
43	Re-examination and symmetrization of the adjustable parameters of the ERAS model. Fluid Phase Equilibria, 2000, 173, 211-239.	1.4	35
44	Prediction of Excess Volumes and Excess Surface Tensions from Experimental Refractive Indices. Physics and Chemistry of Liquids, 2000, 38, 251-260.	0.4	77
45	Refractive Indices and Surface Tensions of Binary Mixtures of 1,4-Dioxane + n-Alkanes at 298.15 K. Journal of Chemical & Engineering Data, 2000, 45, 682-685.	1.0	58
46	Surface tensions and refractive indices of (tetrahydrofuran +n -alkanes) atT =298.15 K. Journal of Chemical Thermodynamics, 1999, 31, 931-942.	1.0	97
47	Heat Capacities, Excess Enthalpies, and Volumes of Mixtures Containing Cyclic Ethers. 3. Binary Systems {Tetrahydrofuran, Tetrahydropyran, 1,4-Dioxane, or 1,3-Dioxolane + Cyclohexane or Toluene}. Journal of Chemical & Engineering Data, 1999, 44, 67-72.	1.0	68
48	Heat Capacities, Excess Enthalpies, and Volumes of Mixtures Containing Cyclic Ethers. 5. Binary Systems {1,3-Dioxolane + 1-Alkanols}. Journal of Chemical & Engineering Data, 1999, 44, 1341-1347.	1.0	54
49	Heat Capacities, Excess Enthalpies, and Volumes of Mixtures Containing Cyclic Ethers. 4. Binary Systems 1,4-Dioxane + 1-Alkanols. Journal of Chemical & Engineering Data, 1999, 44, 948-954.	1.0	93
50	Heat Capacities, Excess Enthalpies, and Volumes of Mixtures Containing Cyclic Ethers. 2. Binary Systems 1,3-Dioxolane + n-Alkanes. Journal of Chemical & Engineering Data, 1998, 43, 112-116.	1.0	57
51	Heat Capacities, Excess Enthalpies, and Volumes of Mixtures Containing Cyclic Ethers. 1. Binary Systems 1,4-Dioxane + n-Alkanes. Journal of Chemical & Engineering Data, 1998, 43, 105-111.	1.0	80
52	Viscometric study of binary mixtures of tetrahydrofuran or tetrahydropyran + cyclohexane or toluene. High Temperatures - High Pressures, 1997, 29, 127-134.	0.3	7
53	Application of the Prigogine-Flory-Patterson model to excess volumes of mixtures of tetrahydrofuran or tetrahydropyran with cyclohexane or toluene. Thermochimica Acta, 1996, 286, 297-306.	1.2	77
54	Excess volumes for (tetrahydrofuran + heptane + heptan-1-ol or octan-1-ol) at the temperature 298.15 K. Journal of Chemical Thermodynamics, 1995, 27, 1221-1226.	1.0	2

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55	Excess Volumes of Ternary Mixtures Containing Tetrahydropyran and Decane with 1-Alkanols at the Temperature 298.15 K. Journal of Chemical & Engineering Data, 1995, 40, 230-232.	1.0	12
56	Dependence upon temperature of the excess molar volumes of tetrahydropyran + n-alkane mixtures. Canadian Journal of Chemistry, 1995, 73, 375-379.	0.6	21
57	Excess enthalpies of (tetrahydrofuran or tetrahydropyran + an n-alkane) at the temperature 298.15 K. Journal of Chemical Thermodynamics, 1994, 26, 29-33.	1.0	38
58	Intramolecular-proximity effect on the excess enthalpies of (a dichloroalkane + an alkan-2-one). Journal of Chemical Thermodynamics, 1994, 26, 53-59.	1.0	12
59	Excess volumes of (tetrahydropyran + heptane + heptan-1-ol or octan-1-ol) at the temperature 298.15 K. Journal of Chemical Thermodynamics, 1994, 26, 803-807.	1.0	3
60	Thermodynamic Properties of Tetrahydropyran + 1-Alkanol Mixtures. Journal of Chemical & Engineering Data, 1994, 39, 926-928.	1.0	24
61	Effect of alkane chain-length on the excess volume of a binary mixture containing a cyclic ether. Journal of Chemical Thermodynamics, 1993, 25, 337-341.	1.0	33
62	Excess volumes of binary mixtures containing cyclic ethers + alkanols at 298.15 K. Journal of Chemical & Engineering Data, 1993, 38, 141-142.	1.0	60
63	Excess Molar Volumes at the Temperature 308.15 K of the Ternary Mixtures (o-Xylene + n-Heptane +) Tj ETQq1 1 0.784314 rgBT /Ove	0.4	8
64	Densities and Viscosities of the Binary Mixtures Decanol + Some n-Alkanes at 298.15 K. Physics and Chemistry of Liquids, 1991, 22, 245-253.	0.4	37
65	Excess molar volumes of (o-xylene + n-heptane + toluene or n-hex-1-ene) at the temperature 298.15 K. Journal of Chemical Thermodynamics, 1991, 23, 905-910.	1.0	14
66	Excess molar enthalpies of (n-decan-1-ol + an n-alkane) at the temperatures 298.15 K and 308.15 K. Journal of Chemical Thermodynamics, 1991, 23, 679-686.	1.0	14
67	Thermodynamic properties of binary mixtures of 2-hexanone withn-alkanes at 35ï¿½C. Journal of Solution Chemistry, 1990, 19, 1095-1102.	0.6	20
68	Excess molar enthalpies of (n-octan-1-ol + an n-alkane) at 298.15 K and 308.15 K. Journal of Chemical Thermodynamics, 1990, 22, 633-638.	1.0	25
69	Excess molar enthalpies of (n-nonan-1-ol + an n-alkane) at 298.15 K and 308.15 K. Journal of Chemical Thermodynamics, 1990, 22, 1059-1065.	1.0	20
70	Darc analysis of binary mixtures. Excess enthalpies of ketone + alkane and ketone + alcohol systems. Thermochimica Acta, 1989, 156, 21-26.	1.2	0
71	Excess molar enthalpies of (heptan-1-ol + an n-alkane) at 298.15 and 308.15 K. Journal of Chemical Thermodynamics, 1989, 21, 1207-1211.	1.0	22