

Alfredo Amigo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

71
papers

2,286
citations

28
h-index

46
g-index

73
ext. papers

2,382
ext. citations

3.4
avg, IF

4.37
L-index

#	Paper	IF	Citations
71	Unsupervised bubble calorimetry analysis: Surface tension from isothermal titration calorimetry. <i>Journal of Colloid and Interface Science</i> , 2022 , 606, 1823-1832	9.3	1
70	A New Type of Supramolecular Fluid Based on H O-Alkylammonium/Phosphonium Solutions. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 7540-7546	16.4	2
69	A New Type of Supramolecular Fluid Based on H ₂ O-Alkylammonium/Phosphonium Solutions. <i>Angewandte Chemie</i> , 2021 , 133, 7618-7624	3.6	
68	Titelbild: A New Type of Supramolecular Fluid Based on H ₂ O-Alkylammonium/Phosphonium Solutions (Angew. Chem. 14/2021). <i>Angewandte Chemie</i> , 2021 , 133, 7525-7525	3.6	1
67	Heat capacity, density, surface tension, and contact angle for polyalphaolefins and ester lubricants. <i>Thermochimica Acta</i> , 2021 , 703, 178994	2.9	5
66	Hydrophobic solvation increases thermal conductivity of water. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 21094-21098	3.6	1
65	The contact angle of nanofluids as thermophysical property. <i>Journal of Colloid and Interface Science</i> , 2019 , 547, 393-406	9.3	33
64	Thermophysical properties of polyalphaolefin oil modified with nanoadditives. <i>Journal of Chemical Thermodynamics</i> , 2019 , 131, 192-205	2.9	16
63	Effect of ZrO ₂ nanoparticles on thermophysical and rheological properties of three synthetic oils. <i>Journal of Molecular Liquids</i> , 2018 , 262, 126-138	6	21
62	Thermophysical and tribological properties of dispersions based on graphene and a trimethylolpropane trioleate oil. <i>Journal of Molecular Liquids</i> , 2018 , 268, 854-866	6	22
61	Boosting the use of thermoacoustimetry in micellization thermodynamics studies by easing an objective determination of the cmc. <i>Fluid Phase Equilibria</i> , 2018 , 478, 1-13	2.5	1
60	Refractive index measurement of imidazolium based ionic liquids in the Vis-NIR. <i>Optical Materials</i> , 2017 , 73, 647-657	3.3	21
59	Volumetric Behavior of Some Motor and Gear-Boxes Oils at High Pressure: Compressibility Estimation at EHL Conditions. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 10877-10885	3.9	3
58	STAND: Surface Tension for Aggregation Number Determination. <i>Langmuir</i> , 2016 , 32, 3917-25	4	19
57	Squeezing experimental measurements for a proper analysis of surfactant thermodynamics: Octyl-β-glucopyranoside as a case study. <i>Fluid Phase Equilibria</i> , 2014 , 376, 31-39	2.5	11
56	Surface tensions, densities, and speeds of sound for aqueous solutions of lauryl ether ethoxylates. <i>Fluid Phase Equilibria</i> , 2013 , 356, 193-200	2.5	14
55	Activity coefficients from Gibbs adsorption equation. <i>Fluid Phase Equilibria</i> , 2012 , 330, 17-23	2.5	13

54	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. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 3823-3829	2.8	57
53	Surface Tension Data of Aqueous Binary Mixtures of Methyl, Ethyl, Propyl, and Butyl Acetates at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 2905-2908	2.8	21
52	Dynamic surface tension, critical micelle concentration, and activity coefficients of aqueous solutions of nonyl phenol ethoxylates. <i>Fluid Phase Equilibria</i> , 2009 , 282, 14-19	2.5	29
51	A small molecular size system giving unexpected surface effects: alpha-Cyclodextrin + sodium dodecyl sulfate in water. <i>Journal of Colloid and Interface Science</i> , 2008 , 328, 391-5	9.3	15
50	Cyclodextrin-based self-assembled nanotubes at the water/air interface. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 12625-30	3.4	39
49	On the characterization of host-guest complexes: surface tension, calorimetry, and molecular dynamics of cyclodextrins with a non-ionic surfactant. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 4383-92	2.4	89
48	A proposal for the estimation of binary mixture activity coefficients from surface tension measurements throughout the entire concentration range. <i>Fluid Phase Equilibria</i> , 2007 , 260, 343-353	2.5	17
47	Thermodynamics of mixtures involving some (benzene derivatives+benzonitrile). <i>Journal of Chemical Thermodynamics</i> , 2007 , 39, 561-567	2.9	15
46	Activity coefficients at infinite dilution for surfactants. <i>Fluid Phase Equilibria</i> , 2006 , 250, 158-164	2.5	25
45	Refractive Index, Surface Tension, and Density of Aqueous Mixtures of Carboxylic Acids at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2006 , 51, 1356-1360	2.8	83
44	Application of the Extended Langmuir model to surface tension data of binary liquid mixtures. <i>Fluid Phase Equilibria</i> , 2005 , 237, 140-151	2.5	26
43	The standard Gibbs energy of adsorption from the bulk at the surface of liquid mixtures: reinterpretation of Traube's rule. <i>Fluid Phase Equilibria</i> , 2004 , 225, 115-123	2.5	1
42	Surface tension and density of mixtures of 1,3-dioxolane+alkanols at 298.15 K: analysis under the extended Langmuir model. <i>Journal of Colloid and Interface Science</i> , 2004 , 272, 438-43	9.3	64
41	Thermodynamics of Mixtures Involving Some Linear or Cyclic Ketones and Cyclic Ethers. 4. Systems Containing 1,3-Dioxolane. <i>Journal of Chemical & Engineering Data</i> , 2004 , 49, 647-657	2.8	16
40	The standard Gibbs energy of adsorption from the bulk at the surface of liquid mixtures: reinterpretation of Traube's rule Analysis of the ΔG^0 contributions under the Extended Langmuir model. <i>Fluid Phase Equilibria</i> , 2004 , 225, 115-123	2.5	3
39	Refractive indices, molar volumes and molar refractions of binary liquid mixtures: concepts and correlations. <i>Physical Chemistry Chemical Physics</i> , 2003 , 5, 550-557	3.6	257
38	Thermodynamics of Mixtures Involving Some Linear or Cyclic Ketones and Cyclic Ethers. 3. Systems Containing 1,4-Dioxane. <i>Journal of Chemical & Engineering Data</i> , 2003 , 48, 1055-1061	2.8	9
37	Thermodynamics of Mixtures Involving Some Linear or Cyclic Ketones and Cyclic Ethers. 2. Systems Containing Tetrahydropyran. <i>Journal of Chemical & Engineering Data</i> , 2003 , 48, 712-719	2.8	21

36	Thermodynamic analysis of surface formation of {1,4-dioxane + 1-alkanol} mixtures. <i>Journal of Colloid and Interface Science</i> , 2002 , 253, 203-10	9.3	28
35	Refractive Indexes of Binary Mixtures of Tetrahydrofuran with 1-Alkanols at 25°C and Temperature Dependence of n and Γ for the Pure Liquids. <i>Journal of Solution Chemistry</i> , 2002 , 31, 369-380	1.8	66
34	Thermodynamics of Mixtures Involving Some Linear or Cyclic Ketones and Cyclic Ethers. 1. Systems Containing Tetrahydrofuran. <i>Journal of Chemical & Engineering Data</i> , 2002 , 47, 351-358	2.8	42
33	Activity Coefficients at Infinite Dilution from Surface Tension Data. <i>Langmuir</i> , 2002 , 18, 3604-3608	4	37
32	A comprehensive approach to the surface tension of binary liquid mixtures. <i>Fluid Phase Equilibria</i> , 2001 , 182, 337-352	2.5	42
31	Extended Langmuir Isotherm for Binary Liquid Mixtures. <i>Langmuir</i> , 2001 , 17, 4261-4266	4	60
30	Refractive Indices and Surface Tensions of Binary Mixtures of 1,4-Dioxane + 1-Alkanols at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2001 , 46, 692-695	2.8	50
29	Re-examination and symmetrization of the adjustable parameters of the ERAS model. <i>Fluid Phase Equilibria</i> , 2000 , 173, 211-239	2.5	34
28	Prediction of Excess Volumes and Excess Surface Tensions from Experimental Refractive Indices. <i>Physics and Chemistry of Liquids</i> , 2000 , 38, 251-260	1.5	73
27	Refractive Indices and Surface Tensions of Binary Mixtures of 1,4-Dioxane + n-Alkanes at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2000 , 45, 682-685	2.8	57
26	Surface tensions and refractive indices of (tetrahydrofuran + n -alkanes) at T =298.15 K. <i>Journal of Chemical Thermodynamics</i> , 1999 , 31, 931-942	2.9	91
25	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}. <i>Journal of Chemical & Engineering Data</i> , 1999 , 44, 67-72	2.8	60
24	Heat Capacities, Excess Enthalpies, and Volumes of Mixtures Containing Cyclic Ethers. 5. Binary Systems {1,3-Dioxolane + 1-Alkanols}. <i>Journal of Chemical & Engineering Data</i> , 1999 , 44, 1341-1347	2.8	51
23	Heat Capacities, Excess Enthalpies, and Volumes of Mixtures Containing Cyclic Ethers. 4. Binary Systems 1,4-Dioxane + 1-Alkanols. <i>Journal of Chemical & Engineering Data</i> , 1999 , 44, 948-954	2.8	91
22	Heat Capacities, Excess Enthalpies, and Volumes of Mixtures Containing Cyclic Ethers. 2. Binary Systems 1,3-Dioxolane + n-Alkanes. <i>Journal of Chemical & Engineering Data</i> , 1998 , 43, 112-116	2.8	54
21	Heat Capacities, Excess Enthalpies, and Volumes of Mixtures Containing Cyclic Ethers. 1. Binary Systems 1,4-Dioxane + n-Alkanes. <i>Journal of Chemical & Engineering Data</i> , 1998 , 43, 105-111	2.8	75
20	Viscometric study of binary mixtures of tetrahydrofuran or tetrahydropyran + cyclohexane or toluene. <i>High Temperatures - High Pressures</i> , 1997 , 29, 127-134	1.3	7
19	Application of the Prigogine-Flory-Patterson model to excess volumes of mixtures of tetrahydrofuran or tetrahydropyran with cyclohexane or toluene. <i>Thermochimica Acta</i> , 1996 , 286, 297-306	2.9	70

18	Excess Volumes of Ternary Mixtures Containing Tetrahydropyran and Decane with 1-Alkanols at the Temperature 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 1995 , 40, 230-232	2.8	12
17	Dependence upon temperature of the excess molar volumes of tetrahydropyran + n-alkane mixtures. <i>Canadian Journal of Chemistry</i> , 1995 , 73, 375-379	0.9	21
16	Excess volumes for (tetrahydrofuran + heptane + heptan-1-ol or octan-1-ol) at the temperature 298.15 K. <i>Journal of Chemical Thermodynamics</i> , 1995 , 27, 1221-1226	2.9	2
15	Excess enthalpies of (tetrahydrofuran or tetrahydropyran + an n-alkane) at the temperature 298.15 K. <i>Journal of Chemical Thermodynamics</i> , 1994 , 26, 29-33	2.9	34
14	Intramolecular-proximity effect on the excess enthalpies of (a dichloroalkane + an alkan-2-one). <i>Journal of Chemical Thermodynamics</i> , 1994 , 26, 53-59	2.9	11
13	Excess volumes of (tetrahydropyran + heptane + heptan-1-ol or octan-1-ol) at the temperature 298.15 K. <i>Journal of Chemical Thermodynamics</i> , 1994 , 26, 803-807	2.9	3
12	Thermodynamic Properties of Tetrahydropyran + 1-Alkanol Mixtures. <i>Journal of Chemical & Engineering Data</i> , 1994 , 39, 926-928	2.8	23
11	Excess volumes of binary mixtures containing cyclic ethers + alkanols at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 1993 , 38, 141-142	2.8	57
10	Effect of alkane chain-length on the excess volume of a binary mixture containing a cyclic ether. <i>Journal of Chemical Thermodynamics</i> , 1993 , 25, 337-341	2.9	31
9	Excess Molar Volumes at the Temperature 308.15 K of the Ternary Mixtures (o-Xylene + n-Heptane + Toluene Or n-Hex-1-Ene). <i>Physics and Chemistry of Liquids</i> , 1992 , 24, 239-248	1.5	2
8	Excess molar volumes of (o-xylene + n-heptane + toluene or n-hex-1-ene) at the temperature 298.15 K. <i>Journal of Chemical Thermodynamics</i> , 1991 , 23, 905-910	2.9	11
7	Excess molar enthalpies of (n-decan-1-ol + an n-alkane) at the temperatures 298.15 K and 308.15 K. <i>Journal of Chemical Thermodynamics</i> , 1991 , 23, 679-686	2.9	14
6	Densities and Viscosities of the Binary Mixtures Decanol + Some n-Alkanes at 298.15 K. <i>Physics and Chemistry of Liquids</i> , 1991 , 22, 245-253	1.5	25
5	Thermodynamic properties of binary mixtures of 2-hexanone with n-alkanes at 35°C. <i>Journal of Solution Chemistry</i> , 1990 , 19, 1095-1102	1.8	18
4	Excess molar enthalpies of (n-octan-1-ol + an n-alkane) at 298.15 K and 308.15 K. <i>Journal of Chemical Thermodynamics</i> , 1990 , 22, 633-638	2.9	23
3	Excess molar enthalpies of (n-nonan-1-ol + an n-alkane) at 298.15 K and 308.15 K. <i>Journal of Chemical Thermodynamics</i> , 1990 , 22, 1059-1065	2.9	19
2	Darc analysis of binary mixtures. Excess enthalpies of ketone + alkane and ketone + alcohol systems. <i>Thermochimica Acta</i> , 1989 , 156, 21-26	2.9	
1	Excess molar enthalpies of (heptan-1-ol + an n-alkane) at 298.15 and 308.15 K. <i>Journal of Chemical Thermodynamics</i> , 1989 , 21, 1207-1211	2.9	21

